



B23001311 (STP-5310-22AR) Submission from Soderholm Sales & Leasing, Inc.

Aloha State of Hawaii,

Mahalo for this opportunity to supply vehicles and support to the various organizations covered under this procurement. Since 1989, we have been a pillar in Hawaii for bus and van supply and service and have great relationships with many of these non-profits. Not only do we wish to supply the best possible vehicles for each of these categories, but we can back them up with on-island service and parts supply to ensure the good, long life of these vehicles.

Within our submission, you will find our proposals for each vehicle, backup documentation on how we can support these vehicles, and much more. **As you will see, we will deliver all of these vehicles fully road-ready.** This includes shipping the vehicles to their designated island, picking it up from the port to be serviced, detailed, weighed, and fueled, and handling all registration paperwork. Depending on the DMV circumstances, the vehicles will either be delivered with paper plates and temporary registration or their permanent plates and final registration.

We have sold, delivered, and supported thousands of buses and vans throughout Hawaii and the Pacific, such as Yap, Kosrae, Guam, Saipan, and more. Our relationships throughout these islands have become like family in some ways.

Again, Mahalo for this opportunity. We look forward to continuing to supply buses and vans to the State of Hawaii!

Bid Organization:

To help the State the best we can, please reference the table of contents, which will show the flow of our submission. Included in this single PDF document are “divider” pages between the sections with titles written on them. We advise the State to print double-sided to cut down on wasted paper created from these submissions! Mahalo for your courtesy to the planet.



Soderholm Sales and Leasing, Inc. (SSL)
dba Soderholm Bus & Mobility
808-834-1417
www.SoderholmBus.com

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
STATEWIDE TRANSPORTATION PLANNING OFFICE

ADDENDUM NO. 6

FOR

FURNISHING AND DELIVERING OF
MOTOR VEHICLES
FOR VARIOUS NON-PROFIT
AND COUNTY AGENCIES STATEWIDE
HlePRO SOLICITATION NUMBER: B23001311

January 19, 2023

This Addendum shall make the following amendments to the Bid Documents.

A. ADDENDUM NO. 5

1. SPECIFICATIONS

Delete the VEHICLE SPECIFICATIONS for bid items number 1, 17, 18, 24, 29 and 33 from Addendum No. 5 and replace with the attached VEHICLE SPECIFICATIONS dated r1/19/2023.

2. RESPONSE TO REQUEST FOR INFORMATION (RFI's/QUESTIONS)

Delete the Response to Request for Information (RFI's/Questions) from Addendum No. 5 in its entirety and replace with the attached Response to Request for Information (RFI's/Questions) date r1/19/2023.

The following is provided for information purposes.

B. PRE-BID MEETING MINUTES

The attached Pre-Bid Meeting Minutes and Attendance Sheet are provided for information.

Please acknowledge receipt of this Addendum No. 6 by recording the date of its receipt in the space provided on Page PF-4 of the Proposal.


TAMMY Q. LEE

Deputy Director of Transportation

RESPONSE TO REQUEST FOR INFORMATION (RFI's/QUESTIONS)

1. QUESTION:

Would Hawaii please add LiquidSpring as an option, so the individual agencies can add if it is wanted? To say LiquidSpring is an approved equal and think that the bus dealer will quote it that way is never going to happen. Just today from Kurt Braun the facilities and fleet maintenance manager for Bay Area Transit in Traverse City MI. said that the LiquidSpring Suspension could be helpful in collision avoidance.

RESPONSE:

LiquidSpring is allowed as a substitution. At the bidder's discretion, they may include the upfront price of LiquidSpring in place of MORyde in their bid offer. At this time, the "option" feature will not be included.

2. QUESTION:

Is this bid a winner take all type award or will each individual line item be awarded based on evaluation criteria?

RESPONSE:

The IFB will make awards by each individual line item for a total of 43 bids. Refer to the Special Provisions and SECTION 3.1 – AWARD OF CONTRACT.

3. QUESTION:

On the line items for the 14 passenger size buses, in section 3 Body, subsection C Flooring, I would like to request clarification in the first sentence where it states, "over high-grade steel subfloor". We believe this to mean that the state is requesting a full metal pan under the layer of plywood. Typically, we would see this material to be either galvanized steel or some type of rust resistant material. A standard bus would not normally include this feature unless it was requested. Adding the full corrosion resistant metal pan will further protect the plywood from the elements. Please clarify that this is what you are requesting.

RESPONSE:

A "galvanized steel subfloor" will be allowed as a substitution for "high grade steel subfloor" for bid items 2, 3, 5, 6, 7, 8, 9, 10, 14, 15, 16, 21, 22, 26, 27, 28, 30, 34, 35, 36, 37, 39, 40, 41, 42 and 43.

4. QUESTION:

Mahalo for accepting LiquidSpring as "an approved equal" for the cutaway buses (not the minivans for transit vans). However, if the State sticks with only approving it as an equal to MorRyde, they will receive no bids for it due to the price increase from MorRyde to Liquid Spring and this solicitation being low-bid.

Liquid Spring is night and day better than MorRyde, much safer and more comfortable to especially fragile passengers, the standard to all of the Counties in Hawaii, and has a lower lifetime cost than MorRyde, meaning that you may pay more upfront for LiquidSpring, but it is less expensive in the long run. a. What we recommend to the State is to have the offer of including Liquid Spring as an option to the receiving entities. To do this, each item would have a base price with all of the already included specifications and then a second line that would be for adding Liquid Spring. Then, receiving entities can decide if they want to add Liquid Spring to their bus depending on funding allocation. b. The State of Hawaii does this in other solicitations like for the DOE, which we will include an example of, and the Counties like the Counties of Maui and Hawaii do so that they have flexibility when bids come in to add certain items. I've attached examples to this document.

RESPONSE:

LiquidSpring is allowed as a substitution. At the bidder's discretion, they may include the upfront price of LiquidSpring in place of MORyde in their bid offer. At this time, the "option" feature will not be included.

5. QUESTION:

Mentioned at the pre-bid conference, vendors can submit "confidential" information as part of their proposal. How is it that in a public bid, a vendor can deem anything they want as "confidential?" It is a public bid. All vendors should be able to see all parts of other vendors' submissions in order to properly assess the award & submit a protest if needed.

RESPONSE:

Bidders are allowed to submit sensitive or proprietary information as "confidential". However, the bid proposal and supporting documentation is considered public information. Only sensitive or proprietary information labeled as "confidential" will not be publicly disclosed. It is the responsibility of the State to verify the credentials of a potential bidder, not the duty of competing bidders to complete or monitor this task.

6. QUESTION:

We highly urge the State to produce award contracts much quicker than March 27th, 2023, due to chassis allocation. While we are only just at the beginning of 2023, the next model years of chassis from Ford, Chevy, etc., are already almost all sold out. Should the State wait longer, vendors may be forced to supply the next model year, which will cause production to be later. a. This is completely out of the control of any vendor. The worldwide parts shortage, specifically for semiconductor chips, has shuddered the OEM vehicle manufacturing market. Even the Federal Government recognizes this; for example, they are funding billions of dollars to build a semiconductor chip manufacturing plant in Arizona to help remedy this dire situation.

RESPONSE:

The State intends to make an award within sixty (60) days of the bid opening date per the IFB provisions. Should it be deemed necessary to extend the award date, vendors will be notified accordingly.

7. QUESTION:

As we spoke about in the pre-bid conference, there is no difference in the vehicles available for (1) wheelchair position to (2) wheelchair positions. According to ADA law and the market available, no minivan meets two (2) ADA wheelchair positions. You CAN get two (2) wheelchairs in the vans if they are smaller chairs, but the allocated floor space does not meet two (2) ADA positions, only one (1). a. Please consider, for simplification and straightforwardness, having one (1) spec for minivans that conforms to ADA law: one (1) ADA position, with space for one (1) more non-ADA wheelchair position.

RESPONSE:

The specifications for the 6-passenger minivans with two (2) ADA compliant wheelchairs (items 17, 18, 24 and 29) are revised to reflect 6-passenger minivans with one (1) ADA compliant wheelchair.

8. QUESTION:

Suspension for minivans: we cannot offer load-leveling air suspension on a minivan. However, during the conversion from a standard minivan to a wheelchair-accessible minivan, spacers are added to the front and rear OEM suspension to maintain ground clearance and ADA requirements. Please accept this as equal.

RESPONSE:

The substitution of “spacers to be added to the front and rear OEM suspension” in place of “front and rear heavy duty shock absorbers and load-leveling air suspension” is allowed for items 1, 17, 18, 24, 29 and 33. This request is approved and accepted as equal. (See “Suspension” for bid item)

9. QUESTION:

The available minivan chassis’ come standard with aluminum wheels in lieu of aftermarket wheel covers. Please accept this as equal.

RESPONSE:

“Wheel covers” will not be required if “aluminum wheels” are provided for items 1, 17, 18, 24, 29 and 33. This request is approved and accepted as equal. (See “Wheels and Tires” for bid item)

10. QUESTION:

I would like to request a Substitution that would allow us to bid the Toyota Sienna Mini Van with ADA In-Floor ramp, pending an FTA Buy America Waiver. I can provide specifics as to how this compares to your current Mini Van specification.

RESPONSE:

The IFB bid items are not necessarily brand specific, with respect to the overall vehicle type. Specifically, the Toyota Sienna Minivan with ADA In-Floor ramp is not allowed as a substitution. Further, unless and until FTA actually approves a Buy America Waiver, then all ADA minivans must meet Buy America compliance for further consideration. This request is not approved.

11. QUESTION:

I would like to request a Substitution on the 10 Passenger 2 wheelchair van to allow for:

350 model Ford Transit with dimension of:

Wheelbase 148" (verses 130" Maximum per current Hawaii Spec)

Overall Length: 236" (verses 220" maximum per current Hawaii Spec)

RESPONSE:

The IFB bid items are not necessarily brand specific, with respect to the overall vehicle type. Specifically, the 350 Ford Transit with a wheelbase of 148" and overall length of 236" is not allowed as a substitution. Further, there are currently ADA and Buy America compliant vehicles that meet the 130" wheelbase and 220" overall length requirements. This request is not approved.

12. QUESTION:

Whereas it is stated "The following forms are due by the close of business (i.e., 4:30 pm HST) five (5) days after bid opening:", please provide the actual date which forms are due based on the January 26, 2023 bid opening date for HlePRO Solicitation No. B23001311.

RESPONSE:

Day 1 – Friday, January 27, 2023.

Day 2 – Saturday, January 28, 2023.

Day 3 – Sunday, January 29, 2023.

Day 4 – Monday, January 30, 2023.

Day 5 – Tuesday, January 31, 2023.

Based on the above dates, the DBE forms would be due on Tuesday, January 31,

13. QUESTION:

Is the "Unit Price" line item requirement in HlePRO referring to the total cost for all 43 bid items? HlePRO charges a percentage (%) processing fee based on the "Unit Price" value noted.

RESPONSE:

Bid according to the specifications. The NIC Hawaii fee is based on the award, not what bidder inputs on unit price in the HlePRO system:

TRANSACTION FEES: The awarded vendor shall pay a transaction fee of 0.75% (0.0075) of the award, not to exceed \$5,000 for each award. This transaction fee shall be based on the original award amount and the awarded vendor shall be responsible for payment of the fee tonic Hawaii, the vendor administering the HlePRO. Payment must be made to NIC Hawaii within thirty (30) days of receipt of invoice. The invoice is generated based on the date the award is posted.

14. QUESTION:

Whereas it is stated "In determining calendar days, the day from which the period begins to run is not counted, and when the last day of the period is a Saturday, Sunday, or Federal or State holiday, the period extends to the next day that is not a Saturday, Sunday, or holiday.", why is this inconsistent with the IFB processing timeframe which appears to be counting calendar days? Is there a difference in how this is calculated for HANDS and HlePRO solicitations? Is this only specific to DBE certifications?

RESPONSE:

The statement "In determining calendar days, the day from which the period begins to run is not counted, and when the last day of the period is a Saturday, Sunday, or Federal or State holiday, the period extends to the next day that is not a Saturday, Sunday, or holiday." is only applicable to the DBE Requirements. The timeframe relative to calendar days is only applicable to the IFB. The calculation of when the DBE forms are due is the same for HANDS and HlePRO solicitations. The time period exclusive of Saturdays, Sundays and Federal or State holidays is only applicable to deadlines associated with the submission DBE forms.

**STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
STATEWIDE TRANSPORTATION PLANNING OFFICE**

PRE-BID MEETING MINUTES

DATE: JANUARY 10, 2023

TIME: 2:00 PM

LOCATION: State of Hawaii Department of Transportation
Statewide Transportation Planning Offices
HDOT STP-OCR Conference Room
200 Rodgers Boulevard, Honolulu Hawaii 96819

Microsoft-Teams Web-Conference
Web attendance via email invitation
Call in Phone No.: 808-829-4853
Phone Conference ID: 558 162 388#

PROJECT: Furnishing and Delivering of Motor Vehicles for Various Non-profit and
County Agencies Statewide
HlePRO Solicitation Number: B23001311

PRESENT: Gus Soderholm, Gabi Soderholm, Erik Soderholm, Clay Hartman, Travis
Ward, Pradip Pant and Candi Jefferson

SUBJECT: Pre-Bid Meeting

MEETING SUMMARY:

I. GENERAL DISCUSSION

1. All Requests For Information (RFIs) shall be received in writing via HlePRO prior to the Question Due Date in General Information section of the HlePRO solicitation. Questions received after the deadline will not be addressed. Responses to RFIs will be provided in Addendum 5 publicly posted on the HlePRO website within fourteen (14) days. Verbal requests for information will not receive a response.
2. Should there be any discrepancy between information provided at this pre-bid meeting and the IFB document, then the information provided in the IFB document any prior or subsequent addendums shall prevail.
3. Bidders are to register and submit bids through HlePRO only.

4. To register as a vendor for HlePRO visit: <https://hiepro.ehawaii.gov/welcome.html>
5. The release of this HlePRO Solicitation Number B23001311 was December 30, 2022. The HlePRO solicitation terms and conditions supersedes any bidder requirements associated with prior IFB (Invitation for Bid) Project No. STP-5310-AR.
6. The contact person for the HlePRO solicitation is Tammy Lee, who may be contacted at 808-587-2218 or tammy.l.lee@hawaii.gov regarding any HlePRO transmittal issues and concerns.
7. This is a federally - funded project. Prospective bidders must comply with all federal requirements, in addition to applicable State requirements.
8. Bids will be received until 2:00 p.m., Hawaii Standard Time (HST), January 26, 2023. Bids received after said due date and time shall not be considered.
9. The deadline to submit Request for Information (RFI) and Request for Substitution (RFS) will be no later than fourteen (14) calendar days prior to the bid opening date, not including the bid opening date (Wednesday, January 11, 2023). Please note that this is tomorrow.
10. Vehicles are to be delivered within two hundred seventy (270) calendar days from issuance of the Notice to Proceed (NTP). A fifty-dollar (\$50) penalty for each calendar day late that the Contractor has a delay in delivery of the vehicles, will be assessed at contract completion, if deemed applicable.
11. The completed BID PROPOSAL and supporting documentation, including the required Federal certifications and documents corresponding to each item on the bid proposal as outlined in SECTION 10.2.A shall be uploaded into the State of Hawaii eProcurement System (HlePRO) as a single file in pdf format prior to the bid opening date and time.
12. Confidential or proprietary documents shall be uploaded in a separate pdf file, with "CONFIDENTIAL" or similar notation, somewhere in the file name.
13. The lowest responsive and responsible bidder for the noted bid items will be issued a Notice to Proceed within sixty (60) calendar days from Bid Opening date (January 26, 2023) or by no later than March 27, 2023.
14. Any additional follow-up questions must be received in writing and sent to Candi Jefferson, Project Manager, by no later than the close of business (4:30pm HST) on January 11, 2023. Questions can also be faxed to (808) 831-7995 or emailed to candi.n.jefferson@hawaii.gov.
15. Any and all responses to questions will be posted in the State of Hawaii Electronic Procurement (HlePRO) bid solicitation in the form of an addendum. (Visit the following link:
<https://hiepro.ehawaii.gov/public-display-solicitation.html?rfid=23001311>)

16. The minutes from this Pre-bid meeting will also be available and publicly accessible on HlePRO within one (1) week of the bid-opening date, if not earlier (or by no later than Thursday, January 19, 2023).

II. DBE DISCUSSION

1. Policy of the State of Hawaii, Department of Transportation's (HDOT) DBE Program: To ensure equal opportunity and non-discrimination in the award and administration of United States DOT-assisted contracts. Contractors shall take all necessary and reasonable steps in accordance with the regulations (49 CFR, Part 26) to ensure that DBE's have an equal opportunity to compete for and perform on contracts.
2. DBE Goal for this project: Non-specific
 - a. Be sure to document discussions, phone calls, faxes or memos relating to your efforts in meeting the DBE goal.
 - b. DBEs must be certified by the bid opening date.
 - c. DBE subcontractors, manufacturers, suppliers, trucking companies and any second-tier subcontractors shall be listed on the respective DBE forms in order to receive credit.
3. The following forms are due by the close of business (i.e., 4:30 pm HST) five (5) days after bid opening:
 - a. DBE Confirmation and Commitment Agreement. This form must be **signed by the bidder/offeror and each DBE** subcontractor, manufacturer, supplier, or trucking company and submitted to the Project Manager. Information to be provided on the form shall include, among other things, the project number, the DBE's NAICS codes, description of work, bid items with corresponding price information, prime contractor name and contact information DBE name and contact information and subcontractor name and contact information if the DBE is a second-tier subcontractor. *To count toward meeting a goal, each DBE firm must be certified in a NAICS code applicable to the kind of work the firm would perform on the contract.*
 - b. DBE Contract Goal Verification and Good Faith Efforts (GFE) Documentation for Construction. List the dollar amount of all subcontractors, manufacturers, suppliers, and trucking companies (both DBE and non-DBE firms). Bidder/offeror must also list the DBE project goal on this form. The bidder/offeror must submit documentation demonstrating how the DBE goal was met or how the bidder/offeror attempted to meet the goal if the goal was not met. This documentation shall include quotations for both DBE and non-DBE subcontractors when a non-DBE is selected over a DBE for the project.

Documentation of good faith efforts is required irrespective of whether the bidder/offeror met the DBE project goal.
4. The forms in item number 3 above must be complete and provide the necessary information to properly evaluate bids/proposals. Failure to provide any of the above shall be cause for bid/proposal rejection.

5. In determining calendar days, the day from which the period begins to run is not counted, and when the last day of the period is a Saturday, Sunday, or Federal or State holiday, the period extends to the next day that is not a Saturday, Sunday, or holiday.
6. Calculation of the DBE contract goal for this project is the proportionate contract dollar value of work performed, materials, and goods to be supplied by DBEs. DBE credit shall not be given for mobilization, force account items and allowance items. This DBE contract goal is applicable to all the contract work performed for this project.
7. DBE contract goal percentage = Contract Dollar Value of the work to be performed by DBE subcontractors and manufacturers, plus 60% of the contract dollar value of DBE suppliers, divided by the sum of all contract items (sum of all contract items is the total amount for comparison of bids less mobilization, force account items, and allowance items).
8. The Department shall adjust the bidder's/offeror's DBE contract goal to the amount of the project goal if it finds that the bidder/offeror met the goal but erroneously calculated a lower percentage. If the amount the bidder/offeror submits as its contract goal exceeds the project goal, the bidder/offeror shall be held to the higher goal.
9. In the bid documents, be sure to refer to DBE Requirements section and pay special attention to Section VIII. Demonstration of Good Faith Efforts for Contract Award, which summarizes the kinds of efforts that will be considered demonstrative of good faith efforts.
10. All federally funded projects awarded after October 1, 2017 are required to use the Certification and Contract Compliance Management System program, an online payment tracking system. This project will be required to use the Certification and Contract Compliance Management System program. HDOT OCR will work with the Project Engineer and selected bidder to get the contract information to create a contract record for the project. Subcontractors, suppliers, manufacturers, trucking companies, etc. that are selected to work on this project are expected to log in (on a regular basis) and indicate if payment was prompt
11. BIDDER REGISTRATION FORM. All firms bidding or quoting on DOT projects, including vendors, subcontractors, manufacturers, truckers, etc., must register as a bidder. Certified DBEs are automatically registered as a bidder with the HDOT. Bidder Registration Form can be found at:
<https://hidot.hawaii.gov/administration/files/2019/03/Bidder-Registration-Fillable-Form.pdf>
12. Be sure to check the DBE Directory online at: <https://hdot.dbesystem.com/> to ensure the DBEs listed are certified.

III. QUESTIONS

1. Would Hawaii please add LiquidSpring as an option, so the individual agencies can add if it is wanted? To say LiquidSpring is an approved equal and think that the bus dealer will quote it that way is never going to happen. Just today from Kurt Braun the facilities and fleet maintenance manager for Bay Area Transit in Traverse City MI. said that the LiquidSpring Suspension could be helpful in collision avoidance.
2. Is this bid a winner take all type award or will each individual line item be awarded based on evaluation criteria?
3. Mahalo for accepting LiquidSpring as “an approved equal” for the cutaway buses (not the minivans for transit vans). However, if the State sticks with only approving it as an equal to MorRyde, they will receive no bids for it due to the price increase from MorRyde to Liquid Spring and this solicitation being low-bid. Liquid Spring is night and day better than MorRyde, much safer and more comfortable to especially fragile passengers, the standard to all of the Counties in Hawaii, and has a lower lifetime cost than MorRyde, meaning that you may pay more upfront for LiquidSpring, but it is less expensive in the long run. a. What we recommend to the State is to have the offer of including Liquid Spring as an option to the receiving entities. To do this, each item would have a base price with all of the already included specifications and then a second line that would be for adding Liquid Spring. Then, receiving entities can decide if they want to add Liquid Spring to their bus depending on funding allocation. b. The State of Hawaii does this in other solicitations like for the DOE, which we will include an example of, and the Counties like the Counties of Maui and Hawaii do so that they have flexibility when bids come in to add certain items. I've attached examples to this document.
4. Mentioned at the pre-bid conference, vendors can submit “confidential” information as part of their proposal. How is it that in a public bid, a vendor can deem anything they want as “confidential?” It is a public bid. All vendors should be able to see all parts of other vendors’ submissions in order to properly assess the award & submit a protest if needed.
5. As we spoke about in the pre-bid conference, there is no difference in the vehicles available for (1) wheelchair position to (2) wheelchair positions. According to ADA law and the market available, no minivan meets two (2) ADA wheelchair positions. You CAN get two (2) wheelchairs in the vans if they are smaller chairs, but the allocated floor space does not meet two (2) ADA positions, only one (1). a. Please consider, for simplification and straightforwardness, having one (1) spec for minivans that conforms to ADA law: one (1) ADA position, with space for one (1) more non-ADA wheelchair position.
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Saturday, Sunday, or Federal or State holiday, the period extends to the next day that is not a Saturday, Sunday, or holiday.", why is this inconsistent with the IFB processing timeframe which appears to be counting calendar days? Is there a difference in how this is calculated for HANDS and HlePRO solicitations? Is this only specific to DBE certifications?

7. Whereas it is stated "The following forms are due by the close of business (i.e., 4:30 pm HST) five (5) days after bid opening:", please provide the actual date which forms are due based on the January 26, 2023 bid opening date for HlePRO Solicitation No. B23001311.

No answers were provided at the pre-bid meeting.

Meeting adjourned at: 3:00pm

Cc: All Attendees (see attached sign-in sheets)

**HlePRO Solicitation Number: B23001311
(formerly STP-5310-22AR)**

Furnishing and Delivering of Motor Vehicles for Various Non-Profit and County Agencies Statewide

Statewide Transportation Planning Office
HDOT ADMIN STP-OCR CONFERENCE ROOM
200 Rodgers Blvd, Honolulu, HI 96819

PRE-BID MEETING
Tuesday, January 10 2023, 2:00 PM

On-Site Attendees (In-Person)				
Name	Agency	Telephone	Fax	Email Address
1 Gus Soderholm	Soderholm Sales	808-834-1417	N/A	gus@soderholmbus.com
2 Gabi Soderholm	Soderholm Sales	808-834-1417	N/A	gabi@soderholmbus.com
3 Erik Soderholm	Soderholm Sales	808-834-1417	N/A	erik@soderholmbus.com
4				
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HlePRO Solicitation Number: B23001311
(formerly STP-5310-22AR)

Furnishing and Delivering of Motor Vehicles for Various Non-Profit and County Agencies Statewide

Statewide Transportation Planning Office
HDOT ADMIN STP-OCR CONFERENCE ROOM
200 Rodgers Blvd, Honolulu, HI 96819

PRE-BID MEETING
Tuesday, January 10 2023, 2:00 PM

Virtual Attendees (Teams Conference Call)				
Name	Agency	Telephone	Fax	Email Address
1 Clay Hartman	A-Z Bus Sales, Inc.	916-217-3469	N/A	chartman@A-Zbus.com
2 Travis Ward	Liquid Spring LLC	765-474-7816	765-474-7826	tward@liquidspring.com
3 Pradip Pant	HDOT/STP	808-831-7968	808-831-7995	pradip.r.pant@hawaii.gov
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9				

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
STATEWIDE TRANSPORTATION PLANNING OFFICE

ADDENDUM NO. 5

FOR

FURNISHING AND DELIVERING OF
MOTOR VEHICLES
FOR VARIOUS NON-PROFIT
AND COUNTY AGENCIES STATEWIDE
HiEPRO SOLICITATION NUMBER: B23001311

January 18, 2023

This Addendum shall make the following amendments to the Bid Documents.

A. SPECIFICATIONS

Delete the VEHICLE SPECIFICATIONS for bid items number 1, 17, 18, 24, 29 and 33 in its entirety and replace with the attached VEHICLE SPECIFICATIONS dated r1/18/2023.

The specifications for the 6-passenger minivans with two (2) ADA compliant wheelchairs (items 17, 18, 24 and 29) are revised to reflect 6-passenger minivans with one (1) ADA compliant wheelchair.

“Wheel covers” will not be required if “aluminum wheels” are provided for items 1, 17, 18, 24, 29 and 33. This request is approved and accepted as equal.

B. SUBSTITUTION ALLOWED

A “galvanized steel subfloor” will be allowed as a substitution for “high grade steel subfloor” for bid items 2, 3, 5, 6, 7, 8, 9, 10, 14, 15, 16, 21, 22, 26, 27, 28, 30, 34, 35, 36, 37, 39, 40, 41, 42 and 43.

The substitution of “spacers to be added to the front and rear OEM suspension” in place of “front and rear heavy duty shock absorbers and load-leveling air suspension” is allowed for items 1, 17, 18, 24, 29 and 33. This request is approved and accepted as equal. (See “Suspension” for bid item)

The items are approved as equal to the specified items provided all requirements of the contract documents are met.


Approval shall not in any circumstances be construed as an approval for deviations from the contract documents unless the entity seeking such approval has, in writing, specifically called the Project Manager's or the approving agency's attention to each such deviation at the time of submission. Said entity and/or Contractor shall be responsible for coordination of the work pertinent to affected materials, equipment, and labor to insure proper execution of the work as per the intent of the contractual documents.

The following is provided for information.

C. RESPONSE TO REQUEST FOR INFORMATION (RFI's/QUESTIONS)

The attached Response to Request for Information (RFI's/Questions) is provided for information.

Please acknowledge receipt of this Addendum No. 5 by recording the date of its receipt in the space provided therefore on page PF-4 of the Proposal.


TAMMY L. LEE
Deputy Director of Transportation

RESPONSE TO REQUEST FOR INFORMATION (RFI's/QUESTIONS)

1. QUESTION:

Would Hawaii please add LiquidSpring as an option, so the individual agencies can add if it is wanted? To say LiquidSpring is an approved equal and think that the bus dealer will quote it that way is never going to happen. Just today from Kurt Braun the facilities and fleet maintenance manager for Bay Area Transit in Traverse City MI. said that the LiquidSpring Suspension could be helpful in collision avoidance.

RESPONSE:

LiquidSpring is allowed as a substitution. At the bidder's discretion, they may include the upfront price of LiquidSpring in place of MORyde in their bid offer. At this time, the "option" feature will not be included.

2. QUESTION:

Is this bid a winner take all type award or will each individual line item be awarded based on evaluation criteria?

RESPONSE:

The IFB will make awards by each individual line item for a total of 43 bids. Refer to the Special Provisions and SECTION 3.1 – AWARD OF CONTRACT.

3. QUESTION:

On the line items for the 14 passenger size buses, in section 3 Body, subsection C Flooring, I would like to request clarification in the first sentence where it states, "over high-grade steel subfloor". We believe this to mean that the state is requesting a full metal pan under the layer of plywood. Typically, we would see this material to be either galvanized steel or some type of rust resistant material. A standard bus would not normally include this feature unless it was requested. Adding the full corrosion resistant metal pan will further protect the plywood from the elements. Please clarify that this is what you are requesting.

RESPONSE:

A "galvanized steel subfloor" will be allowed as a substitution for "high grade steel subfloor" for bid items 2, 3, 5, 6, 7, 8, 9, 10, 14, 15, 16, 21, 22, 26, 27, 28, 30, 34, 35, 36, 37, 39, 40, 41, 42 and 43.

4. QUESTION:

Mahalo for accepting LiquidSpring as "an approved equal" for the cutaway buses (not the minivans for transit vans). However, if the State sticks with only approving it as an equal to MorRyde, they will receive no bids for it due to the price increase from MorRyde to Liquid Spring and this solicitation being low-bid.

Liquid Spring is night and day better than MorRyde, much safer and more comfortable to especially fragile passengers, the standard to all of the Counties in Hawaii, and has a lower lifetime cost than MorRyde, meaning that you may pay more upfront for LiquidSpring, but it is less expensive in the long run. a. What we recommend to the State is to have the offer of including Liquid Spring as an option to the receiving entities. To do this, each item would have a base price with all of the already included specifications and then a second line that would be for adding Liquid Spring. Then, receiving entities can decide if they want to add Liquid Spring to their bus depending on funding allocation. b. The State of Hawaii does this in other solicitations like for the DOE, which we will include an example of, and the Counties like the Counties of Maui and Hawaii do so that they have flexibility when bids come in to add certain items. I've attached examples to this document.

RESPONSE:

LiquidSpring is allowed as a substitution. At the bidder's discretion, they may include the upfront price of LiquidSpring in place of MORyde in their bid offer. At this time, the "option" feature will not be included.

5. QUESTION:

Mentioned at the pre-bid conference, vendors can submit "confidential" information as part of their proposal. How is it that in a public bid, a vendor can deem anything they want as "confidential?" It is a public bid. All vendors should be able to see all parts of other vendors' submissions in order to properly assess the award & submit a protest if needed.

RESPONSE:

Bidders are allowed to submit sensitive or proprietary information as "confidential". However, the bid proposal and supporting documentation is considered public information. Only sensitive or proprietary information labeled as "confidential" will not be publicly disclosed.

It is the responsibility of the State to verify the credentials of a potential bidder, not the duty of competing bidders to complete or monitor this task.

6. QUESTION:

We highly urge the State to produce award contracts much quicker than March 27th, 2023, due to chassis allocation. While we are only just at the beginning of 2023, the next model years of chassis from Ford, Chevy, etc., are already almost all sold out. Should the State wait longer, vendors may be forced to supply the next model year, which will cause production to be later. a. This is completely out of the control of any vendor. The worldwide parts shortage, specifically for semiconductor chips, has shuddered the OEM vehicle manufacturing market. Even the Federal Government recognizes this; for example, they are funding billions of dollars to build a semiconductor chip

manufacturing plant in Arizona to help remedy this dire situation.

RESPONSE:

The State intends to make an award within sixty (60) days of the bid opening date per the IFB provisions. Should it be deemed necessary to extend the award date, vendors will be notified accordingly.

7. QUESTION:

As we spoke about in the pre-bid conference, there is no difference in the vehicles available for (1) wheelchair position to (2) wheelchair positions. According to ADA law and the market available, no minivan meets two (2) ADA wheelchair positions. You CAN get two (2) wheelchairs in the vans if they are smaller chairs, but the allocated floor space does not meet two (2) ADA positions, only one (1). a. Please consider, for simplification and straightforwardness, having one (1) spec for minivans that conforms to ADA law: one (1) ADA position, with space for one (1) more non-ADA wheelchair position.

RESPONSE:

The specifications for the 6-passenger minivans with two (2) ADA compliant wheelchairs (items 17, 18, 24 and 29) are revised to reflect 6-passenger minivans with one (1) ADA compliant wheelchair.

8. QUESTION:

Suspension for minivans: we cannot offer load-leveling air suspension on a minivan. However, during the conversion from a standard minivan to a wheelchair-accessible minivan, spacers are added to the front and rear OEM suspension to maintain ground clearance and ADA requirements. Please accept this as equal.

RESPONSE:

The substitution of “spacers to be added to the front and rear OEM suspension” in place of “front and rear heavy duty shock absorbers and load-leveling air suspension” is allowed for items 1, 17, 18, 24, 29 and 33. This request is approved and accepted as equal. (See “Suspension” for bid item)

9. QUESTION:

The available minivan chassis’ come standard with aluminum wheels in lieu of aftermarket wheel covers. Please accept this as equal.

RESPONSE:

“Wheel covers” will not be required if “aluminum wheels” are provided for items 1, 17, 18, 24, 29 and 33. This request is approved and accepted as equal. (See “Wheels and Tires” for bid item)

10. QUESTION:

I would like to request a Substitution that would allow us to bid the Toyota Sienna Mini Van with ADA In-Floor ramp, pending an FTA Buy America Waiver. I can provide specifics as to how this compares to your current Mini Van specification.

RESPONSE:

The IFB bid items are not necessarily brand specific, with respect to the overall vehicle type. Specifically, the Toyota Sienna Minivan with ADA In-Floor ramp is not allowed as a substitution. Further, unless and until FTA actually approves a Buy America Waiver, then all ADA minivans must meet Buy America compliance for further consideration. This request is not approved.

11. QUESTION:

I would like to request a Substitution on the 10 Passenger 2 wheelchair van to allow for:

350 model Ford Transit with dimension of:

Wheelbase 148" (verses 130" Maximum per current Hawaii Spec)

Overall Length: 236" (verses 220" maximum per current Hawaii Spec)

RESPONSE:

The IFB bid items are not necessarily brand specific, with respect to the overall vehicle type. Specifically, the 350 Ford Transit with a wheelbase of 148" and overall length of 236" is not allowed as a substitution. Further, there are currently ADA and Buy America compliant vehicles that meet the 130" wheelbase and 220" overall length requirements. This request is not approved.

12. QUESTION:

Whereas it is stated "The following forms are due by the close of business (i.e. 4:30 pm HST) five (5) days after bid opening:", please provide the actual date which forms are due based on the January 26, 2023 bid opening date for HIePRO Solicitation No. B23001311.

RESPONSE:

Day 1 – Friday, January 27, 2023;

Day 2 – Monday, January 30, 2023;

Day 3 – Tuesday, January 31, 2023;

Day 4 – Wednesday, February 1, 2023;

Day 5 – Thursday, February 2, 2023.

Based on the above dates, the DBE forms would be due on Thursday, February 2, 2023 at close of business (i.e. 4:30 pm HST) to project manager listed in the IFB.

13. QUESTION:

Whereas it is stated "In determining calendar days, the day from which the period begins to run is not counted, and when the last day of the period is a Saturday, Sunday, or Federal or State holiday, the period extends to the next day that is not a Saturday, Sunday, or holiday.", why is this inconsistent with the IFB processing timeframe which appears to be counting calendar days? Is there a difference in how this is calculated for HANDS and HIePRO solicitations? Is this only specific to DBE certifications?

RESPONSE: (needs to answer 3-part question)

The language is specific to only to the submission of the DBE forms.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
STATEWIDE TRANSPORTATION PLANNING OFFICE

ADDENDUM NO. 4

FOR

FURNISHING AND DELIVERING OF
MOTOR VEHICLES
FOR VARIOUS NON-PROFIT
AND COUNTY AGENCIES STATEWIDE
PROJECT NO. STP-5310-22AR

December 30, 2022

This Addendum shall make the following amendments to the Bid Documents.

A. SPECIFICATIONS

Delete the SPECIFICATIONS in its entirety and replace with the attached SPECIFICATIONS dated r12/30/2022.

This addendum has amended the NOTICE TO BIDDERS, SPECIAL PROVISIONS, SECTION 10-GENERAL SPECIFICATIONS FOR MOTOR VEHICLES and PROPOSAL sections.

B. SUBSTITUTION ALLOWED

The substitution of LiquidSpring SMART Suspension in place of MORryde rear add-on rubber suspension in N. Suspension of Fourteen (14) Passenger, Three (3) Wheelchair Positions, Lift Located Curbside Immediately Rear of Front Entrances, Light Duty Motor Vehicle (Items 2, 3, 5, 6, 7, 8, 9, 10, 14, 15, 16, 21, 22, 26, 27, 28, 30, 34, 35, 36, 37, 39, 40, 41, 42, 43) is approved.

The items are approved as equal to the specified items provided all requirements of the contract documents are met.

Approval shall not in any circumstances be construed as an approval for deviations from the contract documents unless the entity seeking such approval has, in writing, specifically called the Project Manager's or the approving agency's attention to each such deviation at the time of submission. Said entity and/or Contractor shall be responsible for coordination of the work pertinent to affected materials, equipment, and

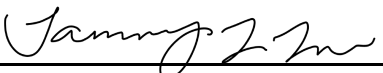
labor to insure proper execution of the work as per the intent of the contractual documents.

The following is provided for information.

C. RESPONSE TO REQUEST FOR INFORMATION (RFI's/QUESTIONS)

The attached Response to Request for Information (RFI's/Questions) is provided for information.

Please acknowledge receipt of this Addendum No. 4 by recording the date of its receipt in the space provided therefore on page PF-4 of the Proposal.



TAMMY L. LEE
Deputy Director of Transportation

RESPONSE TO REQUEST FOR INFORMATION (RFI's/QUESTIONS)

1. QUESTION:

Is a flash drive required to be provided with the bid packet?

RESPONSE:

No, a flash drive is not required. All bids will be submitted through HlePRO. See Addendum No. 4 for details.

2. QUESTION:

How many hard copies of the bid packet must be provided?

RESPONSE:

No hard copies required. All bids will be submitted through HlePRO. See Addendum No. 4 for details.

3. QUESTION:

Why was the bid opening date postponed from December 8, 2022?

RESPONSE:

There were no requests for information and no bid packets received within ten (10) days prior to the bid opening date. In order to allow fair market competition and sufficient time for potential bidders to prepare bid packets, the bid opening date was extended to January 26, 2023.

4. QUESTION:

Did any bidders request a postponement of the bid opening date prior to the posting of Addendum No. 2 on November 29, 2022?

RESPONSE:

No bidders requested a postponement prior to the posting of Addendum No. 2 on November 29, 2022. In compliance with HRS 103D-101 "Requirements of ethical public procurement", the State must act in the public interest and not in the interest of any potential bidder.

5. QUESTION:

Request that LiquidSpring SMART Suspension be added to the State of Hawaii bid proposal as a standard or an option to the MORryde product.

RESPONSE:

The substitution of LiquidSpring in place of the MORryde product is allowed.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
STATEWIDE TRANSPORTATION PLANNING OFFICE

ADDENDUM NO. 3

FOR

FURNISHING AND DELIVERING OF
MOTOR VEHICLES FOR VARIOUS NON-PROFIT
AND COUNTY AGENCIES STATEWIDE
FEDERAL-AID PROJECT NO. STP-5310-22AR

DECEMBER 23, 2022

This Addendum shall make the following amendment to the Bid Documents.

A. NOTICE TO BIDDERS

Prospective bidders are hereby notified that receiving of sealed bids for FURNISHING AND DELIVERING OF MOTOR VEHICLES FOR VARIOUS NON-PROFIT AND COUNTY AGENCIES STATEWIDE, FEDERAL-AID PROJECT NO. STP-5310-22AR, at the Department of Transportation Contracts Office, shall be transitioned to HlePRO. Bidders will be required to register and submit bids through HlePRO only.

Prospective bidders are hereby notified that receiving of sealed bids, scheduled for 2:00 P.M. Hawaii Standard Time (HST), February 16, 2023, is **HEREBY RESCHEDULED** to **2:00 P.M. HST, January 26, 2023.**

Prospective bidders are hereby notified that the pre-bid conference, scheduled for 2:00 P.M. Hawaii Standard Time (HST), January 19, 2023, is **HEREBY RESCHEDULED** to **2:00 P.M. HST, January 10, 2023.**

Delete the NOTICE TO BIDDERS dated r11/29/2022 and replace with the attached NOTICE TO BIDDERS dated r12/23/2022.

Please acknowledge receipt of this Addendum No. 3 by recording the date of its receipt in the space provided on page PF-4 of the Proposal.



TAMMY L. LEE
Deputy Director of Transportation

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
STATEWIDE TRANSPORTATION PLANNING OFFICE

ADDENDUM NO. 2

FOR

FURNISHING AND DELIVERING OF
MOTOR VEHICLES FOR VARIOUS NON-PROFIT
AND COUNTY AGENCIES STATEWIDE
PROJECT NO. STP-5310-22AR

November 29, 2022

This Addendum shall make the following amendment to the Bid Documents.

A. NOTICE TO BIDDERS

Prospective bidders are hereby notified that receiving of sealed bids, scheduled for 2:00 P.M. Hawaii Standard Time (HST), December 8, 2022, is **HEREBY POSTPONED** until **2:00 P.M. HST, February 16, 2023**.

Delete the NOTICE TO BIDDERS and replace with the attached NOTICE TO BIDDERS dated r11/29/2022.

A pre-bid conference is schedule for 2:00 P.M. HST on January 19, 2023.

Please acknowledge receipt of this Addendum No. 2 by recording the date of its receipt in the space provided therefore on page PF-4 of the Proposal.



JADE T. BUTAY
Director of Transportation

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
STATEWIDE TRANSPORTATION PLANNING OFFICE

ADDENDUM NO. 1

FOR

FURNISHING AND DELIVERING OF
MOTOR VEHICLES FOR VARIOUS NON-PROFIT
AND COUNTY AGENCIES STATEWIDE
PROJECT NO. STP-5310-22AR

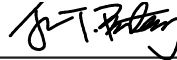
NOVEMBER 7, 2022

The following is provided for information.

A. PRE-BID MEETING MINUTES

See attached Pre-Bid Meeting Minutes and Attendance Sheets dated November 3, 2022.

Please acknowledge receipt of this Addendum No. 1 by recording the date of its receipt in the space provided on Page PF-4 of the Proposal.



JADE T. BUTAY
Director of Transportation

**DEPARTMENT OF TRANSPORTATION
STATEWIDE TRANSPORTATION PLANNING OFFICE**

PRE-BID MEETING MINUTES

DATE: NOVEMBER 3, 2022

TIME: 2:00 PM

LOCATION: State of Hawaii Department of Transportation
Statewide Transportation Planning Offices
HDOT STP-OCR Conference Room
200 Rodgers Boulevard, Honolulu Hawaii 96819

Microsoft-Teams Web-Conference
Web attendance via email invitation
Call in Phone No.: 808-829-4853
Phone Conference ID: 877 775 055#

PROJECT: Furnishing and Delivering of Motor Vehicles for Various Non-profit and
County Agencies Statewide
State Project No. STP-5310-22AR

PRESENT: No Bidders Attended

SUBJECT: Pre-Bid Meeting

MEETING SUMMARY:

I. GENERAL DISCUSSION

1. This meeting is to clarify general questions only. If there is a conflict between what was stated in this meeting and the bid documents, the bid documents shall govern.
2. This is a federally - funded project. Prospective bidders must comply with all federal requirements, in addition to *applicable State requirements*.
3. Prospective bidders must read all requirements set forth in the bid document. All required documents must be completed and submitted with the sealed bid. Incomplete, inaccurate, illegible or missing documents will result in rejection of the bid.
4. Sealed bids must be sent to the *Contracts Office* for Hawaii Department of Transportation located at 869 Punchbowl St., Room 105 in Honolulu, Hawaii 96813.

5. Bids will be received until 2:00 p.m., Hawaii Standard Time (HST), December 8, 2022, at which time they will be *publicly opened* and read. Bids received after said due date and time shall not be considered.
6. The deadline to submit Request for Information (RFI) and Request for Substitution will be no later than fourteen (14) calendar days prior to the bid opening date, not including the bid opening date. (Wednesday, November 23, 2022).
7. Vehicles are to be *delivered within 270 calendar days* from issuance of the Notice to Proceed (NTP). A fifty-dollar (\$50) penalty for each calendar day late that the Contractor has a delay in delivery of the vehicles, will be assessed at contract completion, if deemed applicable.
8. The lowest responsive and responsible bidder for the noted bid items will be issued a Notice to Proceed within sixty (60) calendar days from Bid Opening date (December 8, 2022) or by no later than February 6, 2023.
9. Should an extension to the sixty (60) day contract award period be deemed necessary, then the successful bidder(s) will be notified in writing of the delay. In such case, the Department may request the bidders hold their bid price. Agreement to such an extension must be made by a bidder in writing. Only bidders who have agreed to such an extension will be eligible for the award.
10. Any additional follow-up questions must be received in writing and sent to Candi Jefferson, Project Manager, by no later than the close of business (4:30pm HST) on November 23, 2022. Questions can also be faxed to (808) 831-7995 or emailed to candi.n.jefferson@hawaii.gov.
11. Any and all responses to questions will be posted on the Hawaii Awards & Notices Data System (HANDS) in the form of an addendum. (Visit the following link: <https://hands.ehawaii.gov/hands/opportunities/opportunity-details/22132>)
12. The minutes from this Pre-bid meeting will also be available and publicly accessible on HANDS within one (1) week of the bid-opening date, if not earlier (or by no later than Thursday, December 1, 2022).

II. DBE DISCUSSION

1. Policy of the State of Hawaii, Department of Transportation's (HDOT) DBE Program: To ensure equal opportunity and non-discrimination in the award and administration of United States DOT-assisted contracts. Contractors shall take all necessary and reasonable steps in accordance with the regulations (49 CFR, Part 26) to ensure that DBE's have an equal opportunity to compete for and perform on contracts.

2. DBE Goal for this project: Non-specific
 - a. Be sure to document discussions, phone calls, faxes or memos relating to your efforts in meeting the DBE goal.
 - b. DBEs must be certified by the bid opening date.
 - c. DBE subcontractors, manufacturers, suppliers, trucking companies and any second-tier subcontractors shall be listed on the respective DBE forms in order to receive credit.

3. The following forms are due by the close of business (i.e. 4:30 pm HST) five (5) days after bid opening:
 - a. DBE Confirmation and Commitment Agreement. This form must be **signed by the bidder/offeror and each DBE** subcontractor, manufacturer, supplier, or trucking company and submitted to the Project Manager. Information to be provided on the form shall include, among other things, the project number, the DBE's NAICS codes, description of work, bid items with corresponding price information, prime contractor name and contact information DBE name and contact information and subcontractor name and contact information if the DBE is a second-tier subcontractor. *To count toward meeting a goal, each DBE firm must be certified in a NAICS code applicable to the kind of work the firm would perform on the contract.*

 - b. DBE Contract Goal Verification and Good Faith Efforts (GFE) Documentation for Construction. List the dollar amount of all subcontractors, manufacturers, suppliers, and trucking companies (both DBE and non-DBE firms). Bidder/offeror must also list the DBE project goal on this form. The bidder/offeror must submit documentation demonstrating how the DBE goal was met or how the bidder/offeror attempted to meet the goal if the goal was not met. This documentation shall include quotations for both DBE and non-DBE subcontractors when a non-DBE is selected over a DBE for the project. *Documentation of good faith efforts is required irrespective of whether the bidder/offeror met the DBE project goal.*

4. The forms in item number 3 above must be complete and provide the necessary information to properly evaluate bids/proposals. Failure to provide any of the above shall be cause for bid/proposal rejection.

5. In determining calendar days, the day from which the period begins to run is not counted, and when the last day of the period is a Saturday, Sunday, or Federal or State holiday, the period extends to the next day that is not a Saturday, Sunday, or holiday.

6. Calculation of the DBE contract goal for this project is the proportionate contract dollar value of work performed, materials, and goods to be supplied by DBEs. DBE credit shall not be given for mobilization, force account items and allowance items. This DBE contract goal is applicable to all the contract work performed for this project.

7. DBE contract goal percentage = Contract Dollar Value of the work to be performed by DBE subcontractors and manufacturers, plus 60% of the contract dollar value of DBE suppliers, divided by the sum of all contract items (sum of all contract items is the total amount for comparison of bids less mobilization, force account items, and allowance items).
8. The Department shall adjust the bidder's/offeror's DBE contract goal to the amount of the project goal if it finds that the bidder/offeror met the goal but erroneously calculated a lower percentage. If the amount the bidder/offeror submits as its contract goal exceeds the project goal, the bidder/offeror shall be held to the higher goal.
9. In the bid documents, be sure to refer to DBE Requirements section and pay special attention to Section VIII. Demonstration of Good Faith Efforts for Contract Award, which summarizes the kinds of efforts that will be considered demonstrative of good faith efforts.
10. All federally funded projects awarded after October 1, 2017 are required to use the Certification and Contract Compliance Management System program, an online payment tracking system. This project will be required to use the Certification and Contract Compliance Management System program. HDOT OCR will work with the Project Engineer and selected bidder to get the contract information to create a contract record for the project. Subcontractors, suppliers, manufacturers, trucking companies, etc. that are selected to work on this project are expected to log in (on a regular basis) and indicate if payment was prompt and provide all required information.
11. BIDDER REGISTRATION FORM. All firms bidding or quoting on DOT projects, including vendors, subcontractors, manufacturers, truckers, etc., must register as a bidder. Certified DBEs are automatically registered as a bidder with the HDOT. Bidder Registration Form can be found at: <https://hidot.hawaii.gov/administration/files/2019/03/Bidder-Registration-Fillable-Form.pdf>
12. Be sure to check the DBE Directory online at: <https://hdot.dbesystem.com/> to ensure the DBEs listed are certified.

III. QUESTIONS

No bidders registered or were present for the pre-bid. Meeting cancelled.

Meeting adjourned at: _____ CANCELLED _____

Cc: All Attendees (see attached sign-in sheets)

STP-5310-22AR

Furnishing and Delivering of Motor Vehicles for Various Non-Profit and County Agencies Statewide

Statewide Transportation Planning Office
HDOT ADMIN STP-OCR CONFERENCE ROOM
200 Rodgers Blvd, Honolulu, HI 96819

PRE-BID MEETING

November 3, 2022, 2:00 PM

On-Site Attendees (In-Person)				
Name/Title	Agency	Telephone	Fax	Email Address
1 Daniel Williams / DBE Program Supervisor	HDOT (OCR)	808-831-7914	808-831-7944	Daniel.K.Williams@hawaii.gov
2 Candi Jefferson / Program Manager	HDOT (STP)	808-831-7988	808-831-7995	Candi.N.Jefferson@hawaii.gov
3 Ryan Sugamoto / Programming Section Manager	HDOT (STP)	808-831-7980	808-831-7995	Ryan.S.Sugamoto@hawaii.gov
4				
5				
6				
7				
8				
9				
10				
11				
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STP-5310-22AR

Furnishing and Delivering of Motor Vehicles for Various Non-Profit and County Agencies Statewide

Statewide Transportation Planning Office
HDOT ADMIN STP-OCR CONFERENCE ROOM
200 Rodgers Blvd, Honolulu, HI 96819

PRE-BID MEETING
November 3, 2022, 2:00 PM

Virtual Attendees (Teams Conference Call)				
Name/Title	Agency	Telephone	Fax	Email Address
1	N/A	N/A	N/A	N/A
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

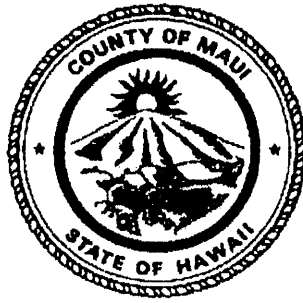


HlePro Solicitation B23001311 Questions
(Formerly STP-5310-22AR)

1. Mahalo for accepting LiquidSpring as “an approved equal” for the cutaway buses (not the minivans for transit vans). However, if the State sticks with only approving it as an equal to MorRyde, they will receive no bids for it due to the price increase from MorRyde to Liquid Spring and this solicitation being low-bid. Liquid Spring is night and day better than MorRyde, much safer and more comfortable to especially fragile passengers, the standard to all of the Counties in Hawaii, and has a lower lifetime cost than MorRyde, meaning that you may pay more upfront for LiquidSpring, but it is less expensive in the long run.
 - a. What we recommend to the State is to have the offer of including Liquid Spring as an option to the receiving entities. To do this, each item would have a base price with all of the already included specifications and then a second line that would be for adding Liquid Spring. Then, receiving entities can decide if they want to add Liquid Spring to their bus depending on funding allocation.
 - b. The State of Hawaii does this in other solicitations like for the DOE, which we will include an example of, and the Counties like the Counties of Maui and Hawaii do so that they have flexibility when bids come in to add certain items. I've attached examples to this document.
2. Mentioned at the pre-bid conference, vendors can submit “confidential” information as part of their proposal. How is it that in a public bid, a vendor can deem anything they want as “confidential?” It is a public bid. All vendors should be able to see all parts of other vendors’ submissions in order to properly assess the award & submit a protest if needed.
3. We highly urge the State to produce award contracts much quicker than March 27th, 2023, due to chassis allocation. While we are only just at the beginning of 2023, the next model years of chassis from Ford, Chevy, etc., are already almost all sold out. Should the State wait longer, vendors may be forced to supply the next model year, which will cause production to be later.
 - a. This is completely out of the control of any vendor. The worldwide parts shortage, specifically for semiconductor chips, has shuddered the OEM vehicle manufacturing market. Even the Federal Government recognizes this; for example, they are funding billions of dollars to build a semiconductor chip manufacturing plant in Arizona to help remedy this dire situation.
4. As we spoke about in the pre-bid conference, there is no difference in the vehicles available for (1) wheelchair position to (2) wheelchair positions. According to ADA law and the market available, no minivan meets two (2) ADA wheelchair positions. You CAN get two (2) wheelchairs in the vans if they are smaller chairs, but the allocated floor space does not meet two (2) ADA positions, only one (1).
 - a. Please consider, for simplification and straightforwardness, having one (1) spec for minivans that conforms to ADA law: one (1) ADA position, with space for one (1) more non-ADA wheelchair position.



5. Suspension for minivans: we cannot offer load-leveling air suspension on a minivan. However, during the conversion from a standard minivan to a wheelchair-accessible minivan, spacers are added to the front and rear OEM suspension to maintain ground clearance and ADA requirements. Please accept this as equal.
6. The available minivan chassis' come standard with aluminum wheels in lieu of aftermarket wheel covers. Please accept this as equal.



FURNISHING AND DELIVERY OF

ONE (1) OR MORE 8-PASSENGER ACCESSIBLE

PARATRANSIT GAS BUSES FOR THE

DEPARTMENT OF TRANSPORTATION

COUNTY OF MAUI

F.O.B.: POINT ON MAUI YET TO BE DETERMINED

INVITATION FOR BIDS

IFB 19 – 20/P-137

CERTIFICATIONS:

Documentation and Certifications for this section shall be submitted with bid, along with various submittal forms as part of **Attachment "A"**.

Certifications and Restrictions on Lobby Certification required with Bid documents.

Government-wide Debarment and Suspension Certification required prior to award.

Bus Testing Certification required prior to delivery.

Compliance with Buy America and FMVSS Rolling Stock Requirements Certification required with Bid documents.

Non-Compliance with Buy America and FMVSS Rolling Stock Requirements Certification required with Bid documents.

FMVSS 220 Roll-Over Certification by a licensed PE with Bid.

Detailed Floor Plan with leg room spacing in inches between seats, Front, Rear and Side Elevation Plan with Bid.

Transit Vehicle Manufacturer form required with Bid documents.

Altoona Test Results – 7 year/200,000 mile test report shall be submitted prior to delivery.

FAILURE TO SUBMIT THE ABOVE WILL CAUSE THE PROPOSAL TO BE REJECTED!

ADDITIVE OPTIONS:

Bidder is to list price per line item. The price quote of these items is **independent** of this bid solicitation. The County may purchase one or more of the additive options listed below. **The prices of these options are not to be added into the final cost of the bus bid. This is independent of this bid solicitation.**

One (1) 2 TB Solid State Drive (SSD) hard drive for REI HD5 DVRs.

One (1) LiquidSpring Compressible Liquid Adaptive Suspension System. This cost would be the "upgrade" cost to have this option. This would be an additive option per bus.

INVITATION FOR BID NO. :4307a

BID AND SPECIFICATIONS
FOR
FURNISHING AND
DELIVERING ADA
ACCESSIBLE TRANSIT AND
COMMUTER BUSES
TO THE MASS TRANSIT
AGENCY,
COUNTY OF HAWAII

HILO, HAWAII

BID SHEET

PRICES MUST BE INPUT ON THE PUBLIC PURCHASE WEBSITE

Item 1: Up to eight (8) each 26-29 foot. ADA Accessible Transit Buses, complete as specified, for the Mass Transit Agency:

Make _____ Model _____ Year _____

Price Per Bus Diesel: _____

Price for One Time Training: _____

Price for Tools and Diagnostic Equipment: _____

Item 2: Up to 15 (15) each 40 foot. ADA Accessible Transit Buses, complete as specified, for the Mass Transit Agency:

Make _____ Model _____ Year _____

Price Per Bus Diesel Electric: _____

Price for One Time Training: _____

Price for Tools and Diagnostic Equipment: _____

Item 3: Three (3) each 45 foot. ADA Accessible Commuter Buses, complete as specified, for the Mass Transit Agency:

Make _____ Model _____ Year _____

Price Per Bus Diesel: _____ Price Per Bus Diesel Electric: _____ Price for One Time Training: _____

_____ Price for Tools and Diagnostic Equipment: _____ **Documents Required**

Checklist

- Federal Clauses Signed
- Bid Sheet Filled Out
- Bidder's Catalog or Brochure descriptions for Bus
- System for Awards Management Registration
- Hawai'i Compliance Express Certificate (available at <https://vendors@ehawaii.gov>)
- Altoona Test Report (available at <https://www.altoonabustest.psu.edu/bus-list.aspx>)
- Understands the Terms and Conditions Specified in the Specifications and Special Provisions Statement
- Form for Specification Deviation

Attach any exceptions to the standard requested by the Mass Transit Agency from the technical specifications shall attached to your bid submission using the “Form for Specification Deviation”. DO NOT REQUEST APPROVAL FOR EQUALS IN THE QUESTION AND ANSWER SECTION OF PUBLIC PURCHASE.

Options Outside the Base Bus Price

Bidder shall provide a separate cost for the following list of optional items. The Mass Transit Agency reserves the right to include any of these options and add the cost to the overall Contract accordingly to available funding. **Prices must be input on the Public Purchase website.**

Proposed Option
Genfare Fast Fare Revolutionary Farebox, integrated with Token Transit and appropriate licensing with Genfare
Q-straint Q-POD Tiedowns
GMV Syncromatics AVL system with ADA annunciator, digital sign, automatic passenger counter, wi-fi and associated tablet
Passenger USB Ports - Minimum 8 per transit bus (items 1 & 2) above in the ceiling and all seat rows for commuter bus (item 3)
Sportworks Trilogy (DL3) bicycle rack
Seven (7) Camera ROADRUNNER 4K System (5 inside and 2 outside)
TV Monitor for Security Camera Recording and Advertisements
Globe Transfer Cutter
UV Lights for use in HVAC Systems to Kill Viruses and Bacteria
Kidde Dual Spectrum LTD Fire Detection and Suppression System
Veeder Root Mechanical without Tenths, without Guard Hubometer
Battery Lease for Life of the Diesel Electric Hybrid Bus
On Site Technician to Perform Warranty Repairs for Warranty Period
Transit Information Products TIP part # OBIC 19/21 4P 2L NOVA part # N65083
Reclining “Commuter” style seats with footrests, tray tables and raised platform (if available) for Item 2 only
Overhead Luggage Racks for Item 2 only
Reading Lights for Item 2 only
Electric Outlets for Item 2 only
Bus Rapid Transit (BRT) Styling (Front, Roof and Rear)



DIVISION OF PURCHASING
COUNTY OF KAUA'I
4444 RICE STREET, Suite 303
LĪHU'E, KAUA'I, HAWAI'I
PH: (808) 241-4288

GOODS AND SERVICES

INVITATION FOR BID # 3851
FOR

FURNISHING AND DELIVERY OF

SEVEN (7) EACH 14-SEAT AND

SIX (6) EACH 21-SEAT

WHEELCHAIR LIFT ACCESSIBLE PASSENGER BUSES

FOR THE COUNTY OF KAUA'I

Prepared for: Transportation Agency

Publicized: November 18, 2022, <http://hawaii.gov/spo/notices>, www.kauai.gov, and www.publicpurchase.com

Deadline for Submission of Bids: December 2, 2022, 3:00PM, HST

Heavy-Duty Wiring: All general-purpose wiring shall meet SAE Standard J1128.

Wiring shall be color and number coded every six (6) inches, permanently labeled insulation color and function coded for easy identification. Battery cables shall be 2/0 gauge and meet SAE Standard J1127. All wiring shall be of sufficient size to carry the required load covered and concealed within the bus body for protection from the elements. All harnesses and wiring shall terminate at appropriate junction terminals set in Bakelite or equal molded plastic material. All wiring end connectors shall be soldered and insulated.

All wiring for installation shall be welding grade, #1.0, and color coded red and black. All terminals shall be crimped and soldered. All wiring shall be numerically labeled at each terminal and connection. All non-OEM add-on electrical harnesses shall be color and function coded for each specific function that is electrically or electronically controlled. All non-OEM wiring shall be loomed with a fire retarding tubing or sheath.

All loomed wiring shall be supported with heavy-duty rubber insulated clamps and anchored to the bus side walls or support structures.

Breaker box for the buses body is to be located above the driver's door area and should be enclosed in a non-conductive vacuum formed tub with a lockable door. Malfunction warning system shall consist of red LED's to indicate each circuit's status. When a switch or other devices is activated, the LED should light up. Manual reset circuit breakers are to be required. Automatic reset circuit breakers are not to be utilized. All wiring will be color coded and labeled, by function and shall comply with all the requirements of the Society of Automotive Engineers (SAE Standards). All connections in the wiring harness shall utilize AMP "Mate-N-Lock II" connectors, or equal.

The circuit breaker panel shall be easily removable or otherwise easy to allow access to the back of the panel. The mounting base and cover for the breakers shall be molded plastic or similar material to prevent movement and damage under normal operating conditions. Grommets of elastomeric material shall be provided at all points where wiring penetrates the metal structure. Exterior connections shall be weatherproof positive lock connectors coated with dielectric grease.

J. Alternator:

The alternator equipment furnished by the chassis manufacturer shall provide hot output that will match the vehicle's system and equipment needs. A single or dual alternator 200+ Amp system shall be capable of maintaining the batteries at a full state of charge under all operating conditions and equipment loads. Any non-OEM alternator, or its associated hardware, that is installed on a vehicle by the body manufacturer shall be covered with a minimum warranty period equal to the chassis OEM's alternator warranty.

K. Axles and Suspension:

All friction points shall be equipped with fittings for periodic lubrication or use non-lube type sealed bearings. The chassis shall have heavy-duty OEM suspension stabilizers.

Front and Rear:

The chassis shall be equipped with a heavy-duty hydraulic suspension to match the specified gross axle weight rating.

The suspension shall utilize a compressible liquid contained in struts and secondary volumes. The liquid within the struts, and in conjunction with the secondary volumes, provide the spring and damping forces. Valving, in conjunction with an ECU, shall be configured to control the spring rates and damping. A hydraulic pump, coupled to a motor and controlled by the ECU, shall regulate vehicle height. The ECU will also provide load leveling for additional weight on one side or the other. The ECU shall process and utilize data derived from speed sensor, brake sensor, height sensors, and steering sensor.

Use LiquidSpring® suspension system or equal.

A guard for the propeller shaft is required to prevent damage to the undercarriage components or wiring in the event that the shaft breaks. The modified propeller shafts shall be balanced. All “U” joints shall be of the type equipped with grease zerker-type fittings or equal.

L. Wheels/Tires:

All tires are to be 4-point aligned prior to delivery, supply copy of alignment report upon delivery.

Buses shall be equipped with the heaviest duty available ventilated steel pressed wheels, single front and dual rear minimum. All wheels shall be tubeless type for radial tires; no two-part rims will be acceptable.

All wheels, rims, hubs, and lug nuts shall be OEM or equal.

Tires shall be steel-belted radial black wall tubeless (to meet GVWR), 225/75R 16E 10 ply radials supplied by the chassis manufacturer. Rear wheels shall have extended braided stainless steel valve stems. One spare tire, mounted on wheel, of same size and capacity, shall be furnished with each bus.

M. Exhaust:

The buses shall be equipped with an exhaust system which meets United States Government and State of Hawaii noise level and exhaust emission (smoke and noxious gas) requirements. The exhaust emission piping system must be routed to the street side of the bus so that it is flush with the left end of the rear bumper. The location of the exhaust shall not interfere with the bus understructure and jacking points and shall provide maximum ground clearance at the road side rear of the bus. The exhaust tip shall also be placed to prevent the bumper from heat damage.

TYPE A-1 14 Passenger School Bus

Instructions: Complete one price proposal sheet for each model proposed.
 A price for Item 1, Base Model is REQUIRED for each island/geographic area for which services are proposed.
 Pricing for accessories, features and options is optional.

Offeror Name:

SODERHOLM SALES AND LEASING, INC.

BASE MODEL

Item No.	Manufacturer/Year/Make & Model	Description	Unit Price Oahu	Unit Price Hawaii Island	Unit Price Kauai	Unit Price Maui County
3	2023 or C.M.Y COLLINS TH408	14 SEAT TYPE A-1 SCHOOL BUS ON A FORD TRANSIT CUTAWAY CHASSIS	\$97,126	\$98,697	\$98,697	Mau: \$98,183 Lana'i & Molokai: \$100,183



The Honorable Pete Buttigieg
Secretary of Transportation
1200 New Jersey Ave SE
Washington, DC 20590

October 3, 2022

Dear Mr. Secretary,

Thank you for your leadership in implementing the historic Bipartisan Infrastructure Law. This investment in our infrastructure comes as a critical time as the nation emerges from the COVID-19 pandemic and navigates ongoing supply chain and inflation issues.

The undersigned organizations, led by the Community Transportation Association of America's (CTAA), write today to bring awareness to a burgeoning crisis in the small bus industry that threatens the ongoing operations of rural, small-city, paratransit and non-emergency medical transportation providers across the nation. Today, the demand for small buses, particularly body-on-chassis vehicles, far outstrips supply with estimates of 20,000 small bus purchases currently backlogged.

We need your assistance in securing more chassis for the small bus marketplace so the trips to vital health care appointments (like dialysis); to congregate meal sites and grocery stores; to work and education; and to other social services that these types of buses typically serve can safely continue. In addition, the current environment creates an opportunity to promote flexibility, competition, and innovation by streamlining the procurement regulations for small buses.

Recent dialogue among transit agencies, state departments of transportation, bus dealers and bus manufacturers highlight the current state of the small bus marketplace:

- A survey of State Departments of Transportation (State DOTs) last month revealed that three quarters of State DOTs are feeling an unprecedented level of concern regarding standard vehicle replacements and maintaining a state of good repair,

with more than one-half of agencies having had a small bus purchasing contract or agreement terminated in 2022;

- Bus dealers predict the small bus backlog, nationally, to eclipse 20,000 in 2023, and expect full recovery of the market to take five to seven years;
- The largest small bus manufacturer currently has one of seven manufacturing facilities up-and-running, and can only meet 25 percent of demand; and
- Prices for these vehicles are running 30 percent to 70 percent above pre-pandemic levels.

With the Biden Administration's leadership in enacting the Infrastructure Investment and Jobs Act (IIJA), public transit providers have record levels of federal capital investment. However, the small bus manufacturing backlog and price inflation threaten to stifle the IIJA's impact on transit service delivery in communities across the country. The positive impact of the IIJA's generational infrastructure investment is surely threatened by this situation.

The undersigned transit industry partners are actively working together to collaborate and support each other throughout this challenging time. Working together, we have developed a number of potential solutions for your consideration, including:

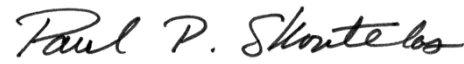
- Encourage chassis manufacturers, particularly Ford, to set aside units for vital public transportation and for small buses.
- Streamline current procurement regulations, with an emphasis on flexibility, because of the unprecedented nature of current small bus crisis. Use the vehicle backlog, nationally, to determine the timeframe for these procurement process changes.
- Expand the Federal Transit Administration's (FTA) proposed Buy America general nonavailability waiver for passenger vans (87 Fed. Reg. 43101) to include waiving Buy America requirements for small buses and vans when manufacturers are not able to guarantee delivery within 12 months or less of an order. Use this temporary waiver to incent manufacturers to locate production facilities in the United States.
- Offer clear guidance to FTA grantees on whether, when, and how to amend bus procurements or reprogram funds when vehicles as specified cannot be delivered under the terms of a procurement agreement.

In summary, we strongly encourage the U.S. Department of Transportation to help the public transit industry secure additional chassis for the small bus market. It is critical to our shared goal of ensuring that the Bipartisan Infrastructure Law provides unparalleled opportunities to all Americans. We would surely welcome any opportunity to discuss this critical subject further.

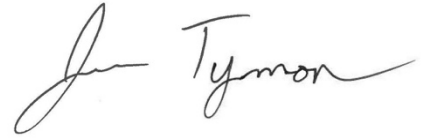
Sincerely,

Handwritten signature of Scott Bogren in black ink, featuring a stylized 'S' and 'B' followed by a horizontal line.

Scott Bogren
Executive Director
CTAA

Handwritten signature of Paul P. Skoutelas in black ink, written in a cursive style.

Paul P. Skoutelas
President and CEO
APTA

Handwritten signature of Jim Tymon in black ink, written in a cursive style.

Jim Tymon
Executive Director
AASHTO

Vermont Agency of Transportation
Barre, VT

Nebraska Association of Transportation
Providers
Milford, NE

Tennessee Public Transportation
Association
Nashville, TN

Georgia Transit Association
Marietta, GA

Transportation Association of Maryland
Linthicum, MD

Prairie Hills Transit
Spearfish, SD

TransAction Corporate Shuttles, Inc.
Woburn MA

New Mexico Department of Transportation
Santa Fe, NM

Call a Ride Service, Inc.
Lewistown, PA

Utah State University Aggie Shuttle
Logan, Utah

Southern Georgia Regional Commission
Georgia

Starkville Mississippi State Area Rapid
Transit
Mississippi State, MS

Rogue Valley Transportation District
Medford, OR

Ohio Department of Transportation
Ohio

Washington State Transit Association
Washington

River Bend Transit
Davenport, IA

Arkansas Transit Association
Arkansas

Mercer County Trade Trenton,
NJ

Oklahoma Transit Association
Oklahoma

Coordinated Transportation Solutions
Trumbull, CT

Alabama DOT
Alabama

Special Services Transportation Agency
Colchester, VT

Tri-Valley Transit
Middlebury VT

Claiborne County Human Resource Agency
Port Gibson, MS

Alaska Mobility Coalition
Anchorage, AL

Oklahoma Department of Transportation
Oklahoma City, OK

California Association for Coordinated
Transportation (CALACT)
Sacramento, CA

Fairmont-Marion County Transit Authority
Fairmont, WV

North Carolina Public Transit Association
North Carolina

Kentucky Public Transit Association
Kentucky

Illinois Public Transit Association
Illinois

Minnesota Department of Transportation
St. Paul, Minnesota

TPRG
Cocoa Beach, FL

Community Transportation Association of
the Northwest
Oregon and Washington

Community Transportation Association of
Virginia
Radford, Virginia

Missouri Public Transit Association
Missouri

Florida Public Transportation Association
Tallahassee, FL

The Bus Coalition
Nationwide

Michigan Public Transit Association.
Lansing, Michigan

Michigan Transportation Connection, Inc.
East Lansing

Upper Cumberland Human Resource
Agency
Cookeville Tennessee

California Department of Transportation
California

River Cities Public Transit
Pierre, South Dakota

Michigan Department of Transportation
Michigan

SporTran
Shreveport, LA

Maricopa Association of Governments
Phoenix, Arizona

NJ Transit Corp.
Newark, NJ

MDOT MTA
Maryland

Siouxland Regional Transit System
Sioux City, Iowa

South Dakota Department of
Transportation
Pierre, SD

Ionia Dial-A-Ride
Ionia, Michigan

Virginia Department of Rail and Public
Transportation
Richmond, Virginia

MIDAS Council of Governments
Fort Dodge, IA

Vermont Clean Cities Coalition
Burlington, VT

Division of Multimodal Transportation
Facilities, Division of Public Transit, West
Virginia Department of Transportation
Charleston, WV

South West Transit Association
Fort Worth, Texas

Texas Transit Association - TTA
Austin, Texas

MS Department of Transportation
Mississippi

Southeast Vermont Transit
Vermont

Gifford Health Care
Randolph, Vermont

Community Transit of Watertown/Sisseton,
Inc.
Watertown, SD

Two Rivers-Ottawaquechee Regional
Commission
Woodstock, Vermont

Senior Solutions Council on Aging
Southeastern, VT

Age Well, Inc.
Vermont

Upper Valley Services
Bradford, VT

Senior Solutions
Springfield, VT

Mississippi Public Transit Association
Natchez, Mississippi

Natchez Transit Regional Center
Natchez, Mississippi

Natchez Senior Citizen's Multipurpose
Center Natchez, Mississippi

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
STATEWIDE TRANSPORTATION PLANNING OFFICE

SPECIAL PROVISIONS, SPECIFICATIONS,
PROPOSAL AND CONTRACT
FOR
FURNISHING AND DELIVERING OF MOTOR VEHICLES
FOR VARIOUS NON-PROFIT AND COUNTY
AGENCIES STATEWIDE

PROJECT NO. STP-5310-22AR

DECEMBER 2022

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NOTICE TO BIDDERS
(Chapter 103D, HRS)

The receiving of SEALED BIDS for FURNISHING AND DELIVERING OF MOTOR VEHICLES FOR VARIOUS NON-PROFIT AND COUNTY AGENCIES STATEWIDE, FEDERAL-AID PROJECT NO. STP-5310-22AR, will begin as advertised in HlePRO. Bidders



are to register and submit bids through HlePRO only. See the following HlePRO link for important information on registering: <https://hiepro.ehawaii.gov/welcome.html>.

Deadline to submit bids: **January 26, 2023; 2:00 P.M., Hawaii Standard Time (HST)**



Bids received after said due date and time shall not be considered.

The scope of work consists of FURNISHING AND DELIVERING OF MOTOR VEHICLES FOR VARIOUS NON-PROFIT AND COUNTY AGENCIES STATEWIDE.

A pre-bid conference is scheduled for **January 10, 2023, 2:00 P.M. HST**, at the Statewide Transportation Planning Office, 200 Rodgers Blvd, Honolulu, HI 96819. Alternatively, bidders may participate virtually. Contact Candi Jefferson, Project Manager, by email at candi.n.jefferson@hawaii.gov to obtain the virtual meeting information no later than two working days prior to the scheduled date of the pre-bid conference. All prospective bidders or their representatives (employees) are encouraged to attend, but attendance is not mandatory. Persons needing special accommodations at the in-person pre-bid conference due to a disability may contact Candi Jefferson, Project Manager, by phone at (808) 831-7988, by facsimile at (808) 831-7995 or email at candi.n.jefferson@hawaii.gov.



ALL requests for information (RFI) shall be received in writing via HlePRO prior to the Question Due Date in General Information of the HlePRO solicitation. Questions received after the deadline will not be addressed. Verbal requests for information will not receive a response.

Campaign contributions by State and County Contractors. Contractors are hereby notified of the applicability of Section 11-355, HRS, which states that campaign contributions are prohibited from specified State or county government contractors during the term of the contract

if the contractors are paid with funds appropriated by a legislative body. For more information, contact the Campaign Spending Commission at (808) 586-0285.

Any protest of this solicitation shall be submitted in writing to the Director of Transportation, in accordance with §103D-701, HRS and §3-126, HAR.

The Equal Employment Opportunity Regulations of the Secretary of Labor implementing Executive Order 11246, as amended, shall be complied with on this project.

The U.S. Department of Transportation Regulation entitled "Nondiscrimination in Federally-Assisted Programs of the U.S. Department of Transportation," Title 49, Code of Federal Regulations (CFR), Part 21 is applicable to this project. Bidders are hereby notified that the Department of Transportation will affirmatively ensure that the contract entered into pursuant to this advertisement will be awarded to the lowest responsible bidder without discrimination on the grounds of race, color, national origin or sex (as directed by 23 CFR Part 200).

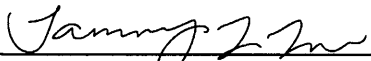
The U.S. Department of Transportation Regulations entitled "Participation by Disadvantaged Business Enterprise in Department of Transportation Programs", Title 49, Code of Federal Regulations, Part 26 is applicable to this project. Bidders are hereby notified that the Department of Transportation will strictly enforce full compliance with all of the requirements of the Disadvantaged Business Enterprise (DBE) program with respect to this project.

Bidders are directed to read and be familiar with the General Information Regarding DBE Requirements, which establishes the program requirements pursuant to Title 49 Code of Federal Regulations Part 26 and, particularly, the requirements of certification, method of award, and evidence of good faith. All Bidders must e-mail the Project Manager at candi.n.jefferson@hawaii.gov, the Disadvantaged Business Enterprise (DBE) Contract Goal Verification and Good Faith Efforts (GFE) Documentation for Construction, Disadvantaged Business Enterprise (DBE) Confirmation and Commitment Agreement – Trucking Company and Disadvantaged Business Enterprise (DBE) Confirmation and Commitment Agreement – Subcontractor, Manufacturer, or Supplier **by the close of business, 4:30 p.m. HST, five (5)**

days after bid opening. Failure to provide these documents shall be cause for rejection of bid.

For additional information, contact Candi Jefferson, Project Manager, by phone at (808) 831-7988 or by fax at (808) 831-7995.

The State reserves the right to reject any or all proposals and to waive any defects in said proposals for the best interest of the public.



TAMMY L. LEE
Deputy Director of Transportation

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
STATEWIDE TRANSPORTATION PLANNING OFFICE

FEDERAL TRANSIT ADMINISTRATION
FEDERAL CLAUSES

FEDERAL CLAUSES

ACCESS TO RECORDS AND REPORTS

- a. Record Retention. The Contractor will retain, and will require its subcontractors of all tiers to retain, complete and readily accessible records related in whole or in part to the contract, including, but not limited to, data, documents, reports, statistics, sub-Contracts, leases, subcontracts, arrangements, other third party Contracts of any type, and supporting materials related to those records.
- b. Retention Period. The Contractor agrees to comply with the record retention requirements in accordance with 2 C.F.R. § 200.333. The Contractor shall maintain all books, records, accounts and reports required under this Contract for a period of at not less than three (3) years after the date of termination or expiration of this Contract, except in the event of litigation or settlement of claims arising from the performance of this Contract, in which case records shall be maintained until the disposition of all such litigation, appeals, claims or exceptions related thereto.
- c. Access to Records. The Contractor agrees to provide sufficient access to FTA and its contractors to inspect and audit records and information related to performance of this contract as reasonably may be required.
- d. Access to the Sites of Performance. The Contractor agrees to permit FTA and its contractors access to the sites of performance under this contract as reasonably may be required.

AMERICANS WITH DISABILITIES ACT(ADA)

The contractor agrees to comply with the requirements of 49 U.S.C. § 5301 (d), which states the Federal policy that the elderly and persons with disabilities have the same right as other persons to use mass transportation service and facilities, and that special efforts shall be made in planning and designing those services and facilities to implement that policy. The contractor also agrees to comply with all applicable requirements of section 504 of the Rehabilitation Act of 1973, as amended, 29 U.S.C. § 794, which prohibits discrimination on the basis of handicaps, with the Americans with Disabilities Act of 1990 (ADA), as amended, 42 U.S.C. §§ 12101 et seq., which requires that accessible facilities and services be made available to persons with disabilities, including any subsequent amendments to that Act, and with the Architectural Barriers act of 1968, as amended, 42 U.S.C. §§ 4151 et seq., which requires that buildings and public accommodations be accessible to persons with disabilities, including any subsequent amendments to that Act. In addition, the contractor agrees to comply with any and all applicable requirements issued by the FTA, DOT, DOJ, U.S. GSA, U.S. EEOC, U.S. FCC, any subsequent amendments thereto and any other nondiscrimination statute(s) that may apply to the Project.

BUS TESTING

The operator of the bus testing facility is required to provide the resulting test report to the entity that submits the bus for testing. The manufacturer or dealer of a new bus model or a bus produced with a major change in component or configuration is required to provide a copy of the corresponding full bus testing report and any applicable partial testing report(s) to the Agency during the point in the procurement process specified by the Agency, but in all cases before final acceptance of the first bus by the Agency. The complete bus testing reporting requirements are provided in 49 C.F.R. § 665.11.

BUY AMERICA REQUIREMENTS

The contractor agrees to comply with 49 U.S.C. 5323(j) and 49 C.F.R. part 661 and 2 CFR § 200.322 Domestic preferences for procurements, which provide that Federal funds may not be obligated unless all steel, iron, and manufactured products used in FTA funded projects are produced in the United States, unless a waiver has been granted by FTA or the product is subject to a general waiver. General waivers are listed in 49 C.F.R. § 661.7. Separate requirements for rolling stock are set out at 49 U.S.C. 5323(j)(2)(C), 49 U.S.C. § 5323(u) and 49 C.F.R. § 661.11. The bidder or offeror must submit to the Agency the appropriate Buy America certification. Bids or offers that are not accompanied by a completed Buy America certification will be rejected as nonresponsive.

BYRD ANTI-LOBBYING AMENDMENT

Contractors who apply or bid for an award of \$100,000 or more shall file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant, or any other award covered by 31 U.S.C. § 1352. Each tier shall also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the Agency.”

CARGO PREFERENCE REQUIREMENTS

The contractor agrees:

- a. to use privately owned United States-Flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to the underlying contract to the extent such vessels are available at fair and reasonable rates for United States-Flag commercial vessels;
- b. to furnish within 20 working days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, "on-board" commercial ocean bill-of-lading in English for each shipment of

cargo described in the preceding paragraph to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590 and to the FTA Recipient (through the contractor in the case of a subcontractor's bill-of-lading.); and

- c. to include these requirements in all subcontracts issued pursuant to this contract when the subcontract may involve the transport of equipment, material, or commodities by ocean vessel.

CIVIL RIGHTS LAWS AND REGULATIONS

The following Federal Civil Rights laws and regulations apply to all contracts.

1 Federal Equal Employment Opportunity (EEO) Requirements. These include, but are not limited to:

- a) Nondiscrimination in Federal Public Transportation Programs. 49 U.S.C. § 5332, covering projects, programs, and activities financed under 49 U.S.C. Chapter 53, prohibits discrimination on the basis of race, color, religion, national origin, sex (including sexual orientation and gender identity), disability, or age, and prohibits discrimination in employment or business opportunity.
- b) Prohibition against Employment Discrimination. Title VII of the Civil Rights Act of 1964, as amended, 42 U.S.C. § 2000e, and Executive Order No. 11246, "Equal Employment Opportunity," September 24, 1965, as amended, prohibit discrimination in employment on the basis of race, color, religion, sex, or national origin.

2 Nondiscrimination on the Basis of Sex. Title IX of the Education Amendments of 1972, as amended, 20 U.S.C. § 1681 et seq. and implementing Federal regulations, "Nondiscrimination on the Basis of Sex in Education Programs or Activities Receiving Federal Financial Assistance," 49 C.F.R. part 25 prohibit discrimination on the basis of sex.

3 Nondiscrimination on the Basis of Age. The "Age Discrimination Act of 1975," as amended, 42 U.S.C. § 6101 et seq., and Department of Health and Human Services implementing regulations, "Nondiscrimination on the Basis of Age in Programs or Activities Receiving Federal Financial Assistance," 45 C.F.R. part 90, prohibit discrimination by participants in federally assisted programs against individuals on the basis of age. The Age Discrimination in Employment Act (ADEA), 29 U.S.C. § 621 et seq., and Equal Employment Opportunity Commission (EEOC) implementing regulations, "Age Discrimination in Employment Act," 29 C.F.R. part 1625, also prohibit employment discrimination against individuals age 40 and over on the basis of age.

4 Federal Protections for Individuals with Disabilities. The Americans with Disabilities Act of 1990, as amended (ADA), 42 U.S.C. § 12101 et seq., prohibits discrimination against qualified individuals with disabilities in programs, activities, and services, and imposes specific requirements on public and private entities. Third party

contractors must comply with their responsibilities under Titles I, II, III, IV, and V of the ADA in employment, public services, public accommodations, telecommunications, and other provisions, many of which are subject to regulations issued by other Federal agencies.

Civil Rights and Equal Opportunity

The Agency is an Equal Opportunity Employer. As such, the Agency agrees to comply with all applicable Federal civil rights laws and implementing regulations. Apart from inconsistent requirements imposed by Federal laws or regulations, the Agency agrees to comply with the requirements of 49 U.S.C.

§ 5323(h) (3) by not using any Federal assistance awarded by FTA to support procurements using exclusionary or discriminatory specifications. Under this Contract, the Contractor shall at all times comply with the following requirements and shall include these requirements in each subcontract entered into as part thereof.

1. **Nondiscrimination.** In accordance with Federal transit law at 49 U.S.C. § 5332, the Contractor agrees that it will not discriminate against any employee or applicant for employment because of race, color, religion, national origin, sex, disability, or age. In addition, the Contractor agrees to comply with applicable Federal implementing regulations and other implementing requirements FTA may issue.

2. **Race, Color, Religion, National Origin, Sex.** In accordance with Title VII of the Civil Rights Act, as amended, 42 U.S.C. § 2000e et seq., and Federal transit laws at 49 U.S.C. § 5332, the Contractor agrees to comply with all applicable equal employment opportunity requirements of U.S. Department of Labor (U.S. DOL) regulations, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor," 41 C.F.R. chapter 60, and Executive Order No. 11246, "Equal Employment Opportunity in Federal Employment," September 24, 1965, 42 U.S.C. § 2000e note, as amended by any later Executive Order that amends or supersedes it, referenced in 42 U.S.C. § 2000e note. The Contractor agrees to take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, national origin, or sex (including sexual orientation and gender identity). Such action shall include, but not be limited to, the following: employment, promotion, demotion or transfer, recruitment or recruitment advertising, layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. In addition, the Contractor agrees to comply with any implementing requirements FTA may issue.

3. **Age.** In accordance with the Age Discrimination in Employment Act, 29 U.S.C. §§ 621-634, U.S. Equal Employment Opportunity Commission (U.S. EEOC) regulations, "Age Discrimination in Employment Act," 29 C.F.R. part 1625, the Age Discrimination Act of 1975, as amended, 42 U.S.C. § 6101 et seq., U.S. Health and Human Services regulations, "Nondiscrimination on the Basis of Age in Programs or Activities Receiving Federal Financial Assistance," 45 C.F.R. part 90, and Federal transit law at 49 U.S.C. § 5332, the Contractor agrees to refrain from discrimination against present and prospective employees for reason of age. In addition, the Contractor agrees to

comply with any Implementing requirements FTA may issue.

4.Disabilities. In accordance with section 504 of the Rehabilitation Act of 1973, as amended, 29 U.S.C. § 794, the Americans with Disabilities Act of 1990, as amended, 42 U.S.C. § 12101 et seq., the Architectural Barriers Act of 1968, as amended, 42 U.S.C. § 4151 et seq., and Federal transit law at 49 U.S.C. § 5332, the Contractor agrees that it will not discriminate against individuals on the basis of disability. In addition, the Contractor agrees to comply with any implementing requirements FTA may issue.

5.Promoting Free Speech and Religious Liberty. The Contractor shall ensure that Federal funding is expended in full accordance with the U.S. Constitution, Federal Law, and statutory and public policy requirements: including, but not limited to, those protecting free speech, religious liberty, public welfare, the environment, and prohibiting discrimination.

CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT

The Contractor agrees to comply with all applicable standards, orders, or regulations issued pursuant to the Clean Air Act (42 U.S.C. § 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. § 1251-1387). Violations must be reported to FTA and the Regional Office of the Environmental Protection Agency. The following applies for contracts of amounts in excess of \$150,000:

Clean Air Act

- (1) The contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. § 7401 et seq.
- (2) The contractor agrees to report each violation to the Agency and understands and agrees that the Agency will, in turn, report each violation as required to assure notification to the Agency, Federal Emergency Management Agency, and the appropriate Environmental Protection Agency Regional Office.
- (3) The contractor agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with Federal assistance provided by FTA.

Federal Water Pollution Control Act

- (1) The contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq.
- (2) The contractor agrees to report each violation to the Agency and understands and agrees that the Agency will, in turn, report each violation as required to assure notification to the Agency, Federal Emergency Management Agency, and the appropriate Environmental Protection Agency Regional Office.
- (3) The contractor agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with Federal assistance provided by FTA."

CONFORMANCE WITH ITS NATIONAL ARCHITECTURE

Intelligent Transportation Systems (ITS) projects shall conform to the National ITS Architecture and standards. Conformance with the National ITS Architecture is interpreted to mean the use of the National ITS Architecture to develop a regional ITS architecture in support of integration and the subsequent adherence of all ITS projects to that regional ITS architecture. Development of the regional ITS architecture should be consistent with the transportation planning process for Statewide and Metropolitan Transportation Planning (49 CFR Part 613 and 621).

CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

- a. Applicability: This requirement applies to all FTA grant and cooperative agreement programs.
- b. Where applicable (see 40 U.S.C. § 3701), all contracts awarded by the non-Federal entity in excess of \$100,000 that involve the employment of mechanics or laborers must include a provision for compliance with 40 U.S.C. §§ 3702 and 3704, as supplemented by Department of Labor regulations at 29 C.F.R. Part 5. See 2 C.F.R. Part 200, Appendix II.
- c. Under 40 U.S.C. § 3702, each contractor must be required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week.
- d. The requirements of 40 U.S.C. § 3704 are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.
- e. The regulation at 29 C.F.R. § 5.5(b) provides the required contract clause concerning compliance with the Contract Work Hours and Safety Standards Act:

Compliance with the Contract Work Hours and Safety Standards Act.

(1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

(2) Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (1) of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1) of this section.

(3) Withholding for unpaid wages and liquidated damages. The agency shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2) of this section.

(4) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1) through (4) of this section.”

DEBARMENT AND SUSPENSION

a. Applicability: This requirement applies to all FTA grant and cooperative agreement programs for a contract in the amount of at least \$25,000

(1) This contract is a covered transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000. As such the contractor is required to verify that none of the contractor, its principals (defined at 2 C.F.R. § 180.995), or its affiliates (defined at 2 C.F.R. § 180.905) are excluded (defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935).

(2) C.F.R. pt. 3000, subpart C and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into.

(3) The accompanying certification is a material representation of fact relied upon by the subrecipient. If it is later determined that the contractor did not comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, in addition to remedies available to the Agency and subrecipient, the Federal Government may pursue available remedies,

including but not limited to suspension and/or debarment.

The bidder or proposer agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C while this offer is valid and throughout the period of any contract that may arise from this offer. The bidder or proposer further agrees to include a provision requiring such compliance in its lower tier covered transactions.”

DISADVANTAGED BUSINESS ENTERPRISE (DBE)

The contractor or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 C.F.R. part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the Agency deems appropriate, which may include, but is not limited to:

(1) Withholding monthly progress payments; (2) Assessing sanctions; (3) Liquidated damages; and/or (4) Disqualifying the contractor from future bidding as non-responsible. 49 C.F.R. § 26.13(b).

Prime contractors are required to pay subcontractors for satisfactory performance of their contracts no later than 30 days from receipt of each payment the Agency makes to the prime contractor. 49 C.F.R. § 26.29(a).

Finally, for contracts with defined DBE contract goals, each FTA Recipient must include in each prime contract a provision stating that the contractor shall utilize the specific DBEs listed unless the contractor obtains the Agency’s written consent; and that, unless the Agency’s consent is provided, the contractor shall not be entitled to any payment for work or material unless it is performed or supplied by the listed DBE. 49 C.F.R. § 26.53(f) (1).

It is the policy of the Agency and the United States Department of Transportation (“DOT”) that Disadvantaged Business Enterprises (“DBE’s”), as defined herein and in the Federal regulations published at 49 C.F.R. part 26, shall have an equal opportunity to participate in DOT-assisted contracts.

ENERGY CONSERVATION

The contractor agrees to comply with mandatory standards and policies relating to energy efficiency, which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act.

EQUAL EMPLOYMENT OPPORTUNITY

During the performance of this contract, the contractor agrees as follows:

(1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity,

or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer, recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination clause.

(2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.

(3) The contractor will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the contractor's legal duty to furnish information.

(4) The contractor will send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding, a notice to be provided by the agency contracting officer, advising the labor union or workers' representative of the contractor's commitments under section 202 of Executive Order 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

(5) The contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

(6) The contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

(7) In the event of the contractor's non-compliance with the nondiscrimination clauses of this contract or with any of such rules, regulations, or orders, this contract may be canceled, terminated or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions

may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

(8) The contractor will include the provisions of paragraphs (1) through (8) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as may be directed by the Secretary of Labor as a means of enforcing such provisions including sanctions for noncompliance: Provided, however, that in the event the contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

FEDERAL CHANGES

49 CFR Part 18 Federal Changes - Contractor shall at all times comply with all applicable FTA regulations, policies, procedures and directives, including without limitation those listed directly or by reference in the Master Agreement between Purchaser and FTA, as they may be amended or promulgated from time to time during the term of this contract. Contractor's failure to so comply shall constitute a material breach of this contract.

FLY AMERICA

a) Definitions. As used in this clause—

1) "International air transportation" means transportation by air between a place in the United States and a place outside the United States or between two places both of which are outside the United States. 2) "United States" means the 50 States, the District of Columbia, and outlying areas. 3) "U.S.-flag air carrier" means an air carrier holding a certificate under 49 U.S.C. Chapter 411.

b) When Federal funds are used to fund travel, Section 5 of the International Air Transportation Fair Competitive Practices Act of 1974 (49 U.S.C. 40118) (Fly America Act) requires contractors, Agencies, and others use U.S.-flag air carriers for U.S. Government-financed international air transportation of personnel (and their personal effects) or property, to the extent that service by those carriers is available. It requires the Comptroller General of the United States, in the absence of satisfactory proof of the necessity for foreign-flag air transportation, to disallow expenditures from funds, appropriated or otherwise established for the account of the United States, for international air transportation secured aboard a foreign-flag air carrier if a U.S.-flag air carrier is available to provide such services.

c) If available, the Contractor, in performing work under this contract, shall use U.S.-flag carriers for international air transportation of personnel (and their personal effects) or property.

d) In the event that the Contractor selects a carrier other than a U.S.-flag air carrier for international air transportation, the Contractor shall include a statement on vouchers involving such transportation essentially as follows:

Statement of Unavailability of U.S.-Flag Air Carriers

International air transportation of persons (and their personal effects) or property by U.S.-flag air carrier was not available or it was necessary to use foreign- flag air carrier service for the following reasons. See FAR § 47.403. [State reasons]:

e) Contractor shall include the substance of this clause, including this paragraph (e), in each subcontract or purchase under this contract that may involve international air transportation.

INCORPORATION OF FEDERAL TRANSIT ADMINISTRATION (FTA) TERMS

Incorporation of Federal Transit Administration (FTA) Terms - The provisions within include, in part, certain Standard Terms and Conditions required by DOT, whether or not expressly set forth in the preceding contract provisions. All contractual provisions required by DOT, as set forth in the current FTA Circular 4220 are hereby incorporated by reference. Anything to the contrary herein notwithstanding, all FTA mandated terms shall be deemed to control in the event of a conflict with other provisions contained in this Contract. The Contractor shall not perform any act, fail to perform any act, or refuse to comply with any request which would cause a violation of the FTA terms and conditions.

NO GOVERNMENT OBLIGATION TO THIRD PARTIES

The Agency and Contractor acknowledge and agree that, notwithstanding any concurrence by the Federal Government in or approval of the solicitation or award of the underlying Contract, absent the express written consent by the Federal Government, the Federal Government is not a party to this Contract and shall not be subject to any obligations or liabilities to the Agency, Contractor or any other party (whether or not a party to that contract) pertaining to any matter resulting from the underlying Contract. The Contractor agrees to include the above clause in each subcontract financed in whole or in part with Federal assistance provided by the FTA. It is further agreed that the clause shall not be modified, except to identify the subcontractor who will be subject to its provisions.

NOTIFICATION TO FTA

If a current or prospective legal matter that may affect the Federal Government emerges, the Recipient must promptly notify the FTA Chief Counsel and FTA Regional Counsel for the Region in which the Recipient is located. The Recipient must include a similar notification requirement in its Third Party Agreements and must require each Third Party Participant to include an equivalent provision in its sub agreements at every tier, for any agreement that is a "covered transaction" according to 2 C.F.R. §§ 180.220 and 1200.220.

(1) The types of legal matters that require notification include, but are not limited to, a major dispute, breach, default, litigation, or naming the Federal Government as a party

to litigation or a legal disagreement in any forum for any reason.

(2) Matters that may affect the Federal Government include, but are not limited to, the Federal Government's interests in the Award, the accompanying Underlying Agreement, and any Amendments thereto, or the Federal Government's administration or enforcement of federal laws, regulations, and requirements.

(3) The Recipient must promptly notify the U.S. DOT Inspector General in addition to the FTA Chief Counsel or Regional Counsel for the Region in which the Recipient is located, if the Recipient has knowledge of potential fraud, waste, or abuse occurring on a Project receiving assistance from FTA. The notification provision applies if a person has or may have submitted a false claim under the False Claims Act, 31 U.S.C. § 3729 et seq., or has or may have committed a criminal or civil violation of law pertaining to such matters as fraud, conflict of interest, bribery, gratuity, or similar misconduct. This responsibility occurs whether the Project is subject to this Agreement or another agreement between the Recipient and FTA, or an agreement involving a principal, officer, employee, agent, or Third Party Participant of the Recipient. It also applies to subcontractors at any tier. Knowledge, as used in this paragraph, includes, but is not limited to, knowledge of a criminal or civil investigation by a Federal, state, or local law enforcement or other investigative agency, a criminal indictment or civil complaint, or probable cause that could support a criminal indictment, or any other credible information in the possession of the Recipient.

PRE-AWARD AND POST-DELIVERY AUDITS OF ROLLING STOCK PURCHASES

The Contractor agrees to comply with 49 U.S.C. § 5323(m) and FTA's implementing regulation at 49 C.F.R. part 663. The Contractor shall comply with the Buy America certification(s) submitted with its proposal/bid. The Contractor agrees to participate and cooperate in any pre-award and post-delivery audits performed pursuant to 49 C.F.R. part 663 and related FTA guidance.

PROGRAM FRAUD AND FALSE OR FRAUDULENT STATEMENTS AND RELATED ACTS

The contractor acknowledges that 31 U.S.C. Chap. 38 (Administrative Remedies for False Claims and Statements) applies to the contractor's actions pertaining to this contract."

PROHIBITION ON CERTAIN TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT.

- a. Recipients and subrecipients are prohibited from obligating or expending loan or grant funds to:
 1. Procure or obtain;
 2. Extend or renew a contract to procure or obtain; or
 3. Enter into a contract (or extend or renew a contract) to procure or obtain

equipment, services, or systems that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. As described in Public Law 115-232, section 889, covered telecommunications equipment is telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities).

- i. For the purpose of public safety, security of government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities).
 - ii. Telecommunications or video surveillance services provided by such entities or using such equipment.
 - iii. Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of the National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.
- b. In implementing the prohibition under Public Law 115-232, section 889, subsection (f), paragraph (1), heads of executive agencies administering loan, grant, or subsidy programs shall prioritize available funding and technical support to assist affected businesses, institutions and organizations as is reasonably necessary for those affected entities to transition from covered communications equipment and services, to procure replacement equipment and services, and to ensure that communications service to users and customers is sustained.
- c. See Public Law 115-232, section 889 for additional information.
- d. See also § 200.471.

PROMPT PAYMENT

The contractor is required to pay its subcontractors performing work related to this contract for satisfactory performance of that work no later than 30 days after the contractor's receipt of payment for that work. In addition, the contractor is required to return any retainage payments to those subcontractors within 30 days after the subcontractor's work related to this contract is satisfactorily completed.

The contractor must promptly notify the Agency, whenever a DBE subcontractor performing work related to this contract is terminated or fails to complete its work and must make good faith efforts to engage another DBE subcontractor to perform at least

the same amount of work. The contractor may not terminate any DBE subcontractor and perform that work through its own forces or those of an affiliate without prior written consent of the Agency.

SAFE OPERATION OF MOTOR VEHICLES

Seat Belt Use

The Contractor is encouraged to adopt and promote on-the-job seat belt use policies and programs for its employees and other personnel that operate company-owned vehicles, company rented vehicles, or personally operated vehicles. The terms "company-owned" and "company-leased" refer to vehicles owned or leased either by the Contractor or Agency.

Distracted Driving

The Contractor agrees to adopt and enforce workplace safety policies to decrease crashes caused by distracted drivers, including policies to ban text messaging while using an electronic device supplied by an employer, and driving a vehicle the driver owns or rents, a vehicle Contractor owns, leases, or rents, or a privately-owned vehicle when on official business in connection with the work performed under this Contract.

SPECIAL NOTIFICATION REQUIREMENTS FOR STATES

Applies to States –

a. To the extent required under federal law, the State, as the Recipient, agrees to provide the following information about federal assistance awarded for its State Program, Project, or related activities:

- (1) The Identification of FTA as the federal agency providing the federal assistance for a State Program or Project;
- (2) The Catalog of Federal Domestic Assistance Number of the program from which the federal assistance for a State Program or Project is authorized; and
- (3) The amount of federal assistance FTA has provided for a State Program or Project.

b. Documents - The State agrees to provide the information required under this provision in the following documents: (1) applications for federal assistance, (2) requests for proposals or solicitations, (3) forms, (4) notifications, (5) press releases, and (6) other publications.

SIMPLIFIED ACQUISITION THRESHOLD

Contracts for more than the simplified acquisition threshold, which is the inflation adjusted amount determined by the Civilian Agency Acquisition Council and the Defense Acquisition Regulations Council (Councils) as authorized by 41 U.S.C. § 1908, or otherwise set by law, must address administrative, contractual, or legal remedies in instances where contractors violate or breach contract terms, and provide for such sanctions and penalties as appropriate. (Note that the simplified acquisition threshold determines the procurement procedures that must be employed pursuant to 2 C.F.R. §§ 200.317–200.327.

The simplified acquisition threshold does not exempt a procurement from other

eligibility or processes requirements that may apply. For example, Buy America's eligibility and process requirements apply to any procurement in excess of \$150,000. 49 U.S.C. § 5323(j)(13).

TERMINATION

Termination for Convenience (General Provision)

The Agency may terminate this contract, in whole or in part, at any time by written notice to the Contractor when it is in the Agency's best interest. The Contractor shall be paid its costs, including contract close-out costs, and profit on work performed up to the time of termination. The Contractor shall promptly submit its termination claim to Agency to be paid the Contractor. If the Contractor has any property in its possession belonging to Agency, the Contractor will account for the same, and dispose of it in the manner Agency directs.

Termination for Default [Breach or Cause] (General Provision)

If the Contractor does not deliver supplies in accordance with the contract delivery schedule, or if the contract is for services, the Contractor fails to perform in the manner called for in the contract, or if the Contractor fails to comply with any other provisions of the contract, the Agency may terminate this contract for default. Termination shall be effected by serving a Notice of Termination on the Contractor setting forth the manner in which the Contractor is in default. The Contractor will be paid only the contract price for supplies delivered and accepted, or services performed in accordance with the manner of performance set forth in the contract. If it is later determined by the Agency that the Contractor had an excusable reason for not performing, such as a strike, fire, or flood, events which are not the fault of or are beyond the control of the Contractor, the Agency, after setting up a new delivery of performance schedule, may allow the Contractor to continue work, or treat the termination as a Termination for Convenience.

Opportunity to Cure (General Provision)

The Agency, in its sole discretion may, in the case of a termination for breach or default, allow the Contractor [an appropriately short period of time] in which to cure the defect. In such case, the Notice of Termination will state the time period in which cure is permitted and other appropriate conditions

If Contractor fails to remedy to Agency's satisfaction the breach or default of any of the terms, covenants, or conditions of this Contract within [10 days] after receipt by Contractor of written notice from Agency setting forth the nature of said breach or default, Agency shall have the right to terminate the contract without any further obligation to Contractor. Any such termination for default shall not in any way operate to preclude Agency from also pursuing all available remedies against Contractor and its sureties for said breach or default.

Waiver of Remedies for any Breach

In the event that Agency elects to waive its remedies for any breach by Contractor of any covenant, term or condition of this contract, such waiver by Agency shall not limit Agency's remedies for any succeeding breach of that or of any other covenant, term, or

condition of this contract.

Termination for Convenience (Professional or Transit Service Contracts)

The Agency, by written notice, may terminate this contract, in whole or in part, when it is in the Agency's interest. If this contract is terminated, the Agency shall be liable only for payment under the payment provisions of this contract for services rendered before the effective date of termination.

Termination for Default (Supplies and Service)

If the Contractor fails to deliver supplies or to perform the services within the time specified in this contract or any extension, or if the Contractor fails to comply with any other provisions of this contract, the Agency may terminate this contract for default. The Agency shall terminate by delivering to the Contractor a Notice of Termination specifying the nature of the default. The Contractor will only be paid the contract price for supplies delivered and accepted, or services performed in accordance with the manner or performance set forth in this contract. If, after termination for failure to fulfill contract obligations, it is determined that the Contractor was not in default, the rights and obligations of the parties shall be the same as if the termination had been issued for the convenience of the Agency.

Termination for Default (Transportation Services)

If the Contractor fails to pick up the commodities or to perform the services, including delivery services, within the time specified in this contract or any extension, or if the Contractor fails to comply with any other provisions of this contract, the Agency may terminate this contract for default. The Agency shall terminate by delivering to the Contractor a Notice of Termination specifying the nature of default. The Contractor will only be paid the contract price for services performed in accordance with the manner of performance set forth in this contract.

If this contract is terminated while the Contractor has possession of Agency goods, the Contractor shall, upon direction of the Agency, protect and preserve the goods until surrendered to the Agency or its agent. The Contractor and Agency shall agree on payment for the preservation and protection of goods.

Failure to agree on an amount will be resolved under the Dispute clause.

If, after termination for failure to fulfill contract obligations, it is determined that the Contractor was not in default, the rights and obligations of the parties shall be the same as if the termination had been issued for the convenience of the Agency.

Termination for Default (Construction)

If the Contractor refuses or fails to prosecute the work or any separable part, with the diligence that will ensure its completion within the time specified in this contract or any extension or fails to complete the work within this time, or if the Contractor fails to comply with any other provision of this contract, Agency may terminate this contract for default. The Agency shall terminate by delivering to the Contractor a Notice of Termination specifying the nature of the default. In this event, the Agency may take over the work and complete it by contract or otherwise, and may take possession of and use any materials, appliances, and plant on the work site necessary for

completing the work. The Contractor and its sureties shall be liable for any damage to the Agency resulting from the Contractor's refusal or failure to complete the work within specified time, whether or not the Contractor's right to proceed with the work is terminated. This liability includes any increased costs incurred by the Agency in completing the work.

The Contractor's right to proceed shall not be terminated nor shall the Contractor be charged with damages under this clause if: 1. The delay in completing the work arises from unforeseeable causes beyond the control and without the fault or negligence of the Contractor. Examples of such causes include: acts of God, acts of Agency, acts of another contractor in the performance of a contract with Agency, epidemics, quarantine restrictions, strikes, freight embargoes; and 2. The Contractor, within [10] days from the beginning of any delay, notifies Agency in writing of the causes of delay. If, in the judgment of Agency, the delay is excusable, the time for completing the work shall be extended. The judgment of Agency shall be final and conclusive for the parties, but subject to appeal under the Disputes clause(s) of this contract. 3. If, after termination of the Contractor's right to proceed, it is determined that the Contractor was not in default, or that the delay was excusable, the rights and obligations of the parties will be the same as if the termination had been issued for the convenience of Agency.

Termination for Convenience or Default (Architect and Engineering)

The Agency may terminate this contract in whole or in part, for the Agency's convenience or because of the failure of the Contractor to fulfill the contract obligations. The Agency shall terminate by delivering to the Contractor a Notice of Termination specifying the nature, extent, and effective date of the termination. Upon receipt of the notice, the Contractor shall (1) immediately discontinue all services affected (unless the notice directs otherwise), and (2) deliver to the Agency 's Contracting Officer all data, drawings, specifications, reports, estimates, summaries, and other information and materials accumulated in performing this contract, whether completed or in process. Agency has a royalty-free, nonexclusive, and irrevocable license to reproduce, publish or otherwise use, all such data, drawings, specifications, reports, estimates, summaries, and other information and materials.

If the termination is for the convenience of the Agency, the Agency's Contracting Officer shall make an equitable adjustment in the contract price but shall allow no anticipated profit on unperformed services. If the termination is for failure of the Contractor to fulfill the contract obligations, the Agency may complete the work by contact or otherwise and the Contractor shall be liable for any additional cost incurred by the Agency. If, after termination for failure to fulfill contract obligations, it is determined that the Contractor was not in default, the rights and obligations of the parties shall be the same as if the termination had been issued for the convenience of Agency.

Termination for Convenience or Default (Cost-Type Contracts)

The Agency may terminate this contract, or any portion of it, by serving a Notice of Termination on the Contractor. The notice shall state whether the termination is for convenience of Agency or for the default of the Contractor. If the termination is for

default, the notice shall state the manner in which the Contractor has failed to perform the requirements of the contract. The Contractor shall account for any property in its possession paid for from funds received from the Agency, or property supplied to the Contractor by the Agency. If the termination is for default, the Agency may fix the fee, if the contract provides for a fee, to be paid the Contractor in proportion to the value, if any, of work performed up to the time of termination. The Contractor shall promptly submit its termination claim to the Agency and the parties shall negotiate the termination settlement to be paid the Contractor.

If the termination is for the convenience of Agency, the Contractor shall be paid its contract close-out costs, and a fee, if the contract provided for payment of a fee, in proportion to the work performed up to the time of termination.

If, after serving a Notice of Termination for Default, the Agency determines that the Contractor has an excusable reason for not performing, the Agency, after setting up a new work schedule, may allow the Contractor to continue work, or treat the termination as a Termination for Convenience.

VIOLATION AND BREACH OF CONTRACT

Rights and Remedies of the Agency

The Agency shall have the following rights in the event that the Agency deems the Contractor guilty of a breach of any term under the Contract.

1. The right to take over and complete the work or any part thereof as agency for and at the expense of the Contractor, either directly or through other contractors;
2. The right to cancel this Contract as to any or all of the work yet to be performed;
3. The right to specific performance, an injunction or any other appropriate equitable remedy; and
4. The right to money damages.

For purposes of this Contract, breach shall include the following:

Rights and Remedies of Contractor

Inasmuch as the Contractor can be adequately compensated by money damages for any breach of this Contract, which may be committed by the Agency, the Contractor expressly agrees that no default, act or omission of the Agency shall constitute a material breach of this Contract, entitling Contractor to cancel or rescind the Contract (unless the Agency directs Contractor to do so) or to suspend or abandon performance.

Remedies

Substantial failure of the Contractor to complete the Project in accordance with the terms of this Contract will be a default of this Contract. In the event of a default, the Agency will have all remedies in law and equity, including the right to specific performance, without further assistance, and the rights to termination or suspension as provided herein. The Contractor recognizes that in the event of a breach of this

Contract by the Contractor before the Agency takes action contemplated herein, the Agency will provide the Contractor with sixty (60) days written notice that the Agency considers that such a breach has occurred and will provide the Contractor a reasonable period of time to respond and to take necessary corrective action.

Disputes

Disputes arising in the performance of this Contract that are not resolved by agreement of the parties shall be decided in writing by an authorized representative of Agency. This decision shall be final and conclusive unless within [10] days from the date of receipt of its copy, the Contractor mails or otherwise furnishes a written appeal to the Agency's authorized representative. In connection with any such appeal, the Contractor shall be afforded an opportunity to be heard and to offer evidence in support of its position. The decision of the Agency's authorized representative shall be binding upon the Contractor and the Contractor shall abide by the decision.

In the event that a resolution of the dispute is not mutually agreed upon, the parties can agree to mediate the dispute or proceed with litigation. Notwithstanding any provision of this section, or any other provision of this Contract, it is expressly agreed and understood that any court proceeding arising out of a dispute under the Contract shall be heard by a Court de novo and the court shall not be limited in such proceeding to the issue of whether the Authority acted in an arbitrary, capricious or grossly erroneous manner.

Pending final settlement of any dispute, the parties shall proceed diligently with the performance of the Contract, and in accordance with the Agency's direction or decisions made thereof.

Performance during Dispute

Unless otherwise directed by Agency, Contractor shall continue performance under this Contract while matters in dispute are being resolved.

Claims for Damages

Should either party to the Contract suffer injury or damage to person or property because of any act or omission of the party or of any of its employees, agents or others for whose acts it is legally liable, a claim for damages therefor shall be made in writing to such other party within a reasonable time after the first observance of such injury or damage.

Remedies

Unless this Contract provides otherwise, all claims, counterclaims, disputes and other matters in question between the Agency and the Contractor arising out of or relating to this Contract or its breach will be decided by arbitration if the parties mutually agree, or in a court of competent jurisdiction within the State in which the Agency is located.

Rights and Remedies

The duties and obligations imposed by the Contract documents and the rights and remedies available thereunder shall be in addition to and not a limitation of any duties,

obligations, rights and remedies otherwise imposed or available by law. No action or failure to act by the Agency or Contractor shall constitute a waiver of any right or duty afforded any of them under the Contract, nor shall any such action or failure to act constitute an approval of or acquiescence in any breach thereunder, except as may be specifically agreed in writing.

Federal Certifications

CERTIFICATION AND RESTRICTIONS ON LOBBYING

I, Gabrielle Soderholm, Corporate Officer hereby certify
(Name and title of official)

On behalf of Soderholm Sales and Leasing, Inc. that:
(Name of Bidder/Company Name)

- No federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, and officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any federal contract, the making of any federal grant, the making of any federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.
- If any funds other than federal appropriated funds have been paid or will be paid to any person influencing or attempting to influence an officer or employee of any agency, a Member of Congress, and officer or employee of Congress, or an employee of a Member of Congress in connection with the federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form – LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including sub-contracts, sub-grants and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The undersigned certifies or affirms the truthfulness and accuracy of the contents of the statements submitted on or with this certification and understands that the provisions of 31 U.S.C. Section 3801, et seq., are applicable thereto.

Certification

Name of Bidder/Company Name: Soderholm Sales and Leasing, Inc.

Type or print name: Gabrielle Soderholm

Signature of authorized representative: Gabrielle Soderholm Date 01 / 23 / 23

Federal Certifications

CERTIFICATION AND RESTRICTIONS ON LOBBYING

I, Andy Conner, Commercial WAV Bid Mgr. hereby certify
(Name and title of official)

On behalf of The Bruan Corporation that:
(Name of Bidder/Company Name)

- No federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, and officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any federal contract, the making of any federal grant, the making of any federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.
- If any funds other than federal appropriated funds have been paid or will be paid to any person influencing or attempting to influence an officer or employee of any agency, a Member of Congress, and officer or employee of Congress, or an employee of a Member of Congress in connection with the federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form – LLL, “Disclosure Form to Report Lobbying,” in accordance with its instructions.
- The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including sub-contracts, sub-grants and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The undersigned certifies or affirms the truthfulness and accuracy of the contents of the statements submitted on or with this certification and understands that the provisions of 31 U.S.C. Section 3801, et seq., are applicable thereto.

Certification

Name of Bidder/Company Name: The Braun Corporation

Type or print name: Andy Conner, Commercial WAV Bid Mgr.

Signature of authorized representative: Andy Conner Date 1 / 23 / 23

Federal Certifications

CERTIFICATION AND RESTRICTIONS ON LOBBYING

I, David Spencer, National Dealer Account Manager hereby certify
(Name and title of official)

On behalf of Sunset Vans, Inc. that:
(Name of Bidder/Company Name)

- No federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, and officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any federal contract, the making of any federal grant, the making of any federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.
- If any funds other than federal appropriated funds have been paid or will be paid to any person influencing or attempting to influence an officer or employee of any agency, a Member of Congress, and officer or employee of Congress, or an employee of a Member of Congress in connection with the federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form – LLL, “Disclosure Form to Report Lobbying,” in accordance with its instructions.
- The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including sub-contracts, sub-grants and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The undersigned certifies or affirms the truthfulness and accuracy of the contents of the statements submitted on or with this certification and understands that the provisions of 31 U.S.C. Section 3801, et seq., are applicable thereto.

Certification

Name of Bidder/Company Name: Sunset Vans, Inc.

Type or print name: David Spencer

Signature of authorized representative: *David Spencer*
David Spencer Jan 20, 2023 10:31 PM

Date Jan 20, 2023 /

Federal Certifications

CERTIFICATION AND RESTRICTIONS ON LOBBYING

I, Scott Defrees, Government Bid Team Manager hereby certify
(Name and title of official)

On behalf of Forest River Bus, LLC that:
(Name of Bidder/Company Name)

- No federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, and officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any federal contract, the making of any federal grant, the making of any federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.
- If any funds other than federal appropriated funds have been paid or will be paid to any person influencing or attempting to influence an officer or employee of any agency, a Member of Congress, and officer or employee of Congress, or an employee of a Member of Congress in connection with the federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form – LLL, “Disclosure Form to Report Lobbying,” in accordance with its instructions.
- The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including sub-contracts, sub-grants and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

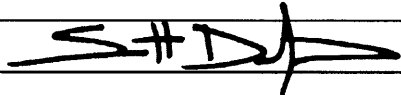
This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The undersigned certifies or affirms the truthfulness and accuracy of the contents of the statements submitted on or with this certification and understands that the provisions of 31 U.S.C. Section 3801, et seq., are applicable thereto.

Certification

Name of Bidder/Company Name: Forest River Bus, LLC

Type or print name: Scott Defrees

Signature of authorized representative:  Date 1 / 20 / 2023

**GOVERNMENT-WIDE DEBARMENT AND SUSPENSION
(NONPROCUREMENT)**

Instructions for Certification: By signing and submitting this bid or proposal, the prospective lower tier participant is providing the signed certification set out below.

- (1) It will comply and facilitate compliance with U.S. DOT regulations, "Nonprocurement Suspension and Debarment," 2 CFR part 1200, which adopts and supplements the U.S. Office of Management and Budget (U.S. OMB) "Guidelines to Agencies on Governmentwide Debarment and Suspension (Nonprocurement)," 2 CFR part 180.
- (2) To the best of its knowledge and belief, that its Principals and Subrecipients at the first tier:
- a. Are eligible to participate in covered transactions of any Federal department or agency and are not presently:
 - 1. Debarred,
 - 2. Suspended,
 - 3. Proposed for debarment,
 - 4. Declared ineligible,
 - 5. Voluntarily excluded, or
 - 6. Disqualified,
 - b. Its management has not within a three-year period preceding its latest application or proposal been convicted of or had a civil judgment rendered against any of them for:
 - 1. Commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction, or contract under a public transaction,
 - 2. Violation of any Federal or State antitrust statute, or,
 - 3. Commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making any false statement, or receiving stolen property,
 - c. It is not presently indicted for, or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses listed in the preceding subsection 2.b of this Certification,
 - d. It has not had one or more public transactions (Federal, State, or local) terminated for cause or default within a three-year period preceding this Certification,
 - e. If, at a later time, it receives any information that contradicts the statements of subsections 2.a – 2.d above, it will promptly provide that information to FTA,
 - f. It will treat each lower tier contract or lower tier subcontract under its Project as a covered lower tier contract for purposes of 2 CFR part 1200 and 2 CFR part 180 if it:
 - 1. Equals or exceeds \$25,000,,
 - 2. Is for audit services, or,
 - 3. Requires the consent of a Federal official, and
 - g. It will require that each covered lower tier contractor and subcontractor:
 - 1. Comply and facilitate compliance with the Federal requirements of 2 CFR parts 180 and 1200, and
 - 2. Assure that each lower tier participant in its Project is not presently declared by any Federal department or agency to be:
 - a. Debarred from participation in its federally funded Project,
 - b. Suspended from participation in its federally funded Project,
 - c. Proposed for debarment from participation in its federally funded Project,
 - d. Declared ineligible to participate in its federally funded Project,
 - e. Voluntarily excluded from participation in its federally funded Project, or
 - f. Disqualified from participation in its federally funded Project, and
 - 3. It will provide a written explanation as indicated on a page attached in FTA's TrAMS platform or the Signature Page if it or any of its principals, including any of its first tier Subrecipients or its Third-Party Participants at a lower tier, is unable to certify compliance with the preceding statements in this Certification Group.
- (3) It will provide a written explanation as indicated on a page attached in FTA's TrAMS platform or the Signature Page if it or any of its principals, including any of its first tier Subrecipients or its Third-Party Participants at a lower tier, is unable to certify compliance with the preceding statements in this Certification Group.

Certification

Contractor: Soderholm Sales and Leasing, Inc.

Signature of Authorized Official: Gabrielle Soderholm Date 01 / 23 / 23

Name and Title of Contractor's Authorized Official: Gabrielle Soderholm, Corporate officer

GOVERNMENT-WIDE DEBARMENT AND SUSPENSION (NONPROCUREMENT)

Instructions for Certification: By signing and submitting this bid or proposal, the prospective lower tier participant is providing the signed certification set out below.

- (1) It will comply and facilitate compliance with U.S. DOT regulations, "Nonprocurement Suspension and Debarment," 2 CFR part 1200, which adopts and supplements the U.S. Office of Management and Budget (U.S. OMB) "Guidelines to Agencies on Governmentwide Debarment and Suspension (Nonprocurement)," 2 CFR part 180,
- (2) To the best of its knowledge and belief, that its Principals and Subrecipients at the first tier:
- a. Are eligible to participate in covered transactions of any Federal department or agency and are not presently:
 - 1. Debarred,
 - 2. Suspended,
 - 3. Proposed for debarment,
 - 4. Declared ineligible,
 - 5. Voluntarily excluded, or
 - 6. Disqualified,
 - b. Its management has not within a three-year period preceding its latest application or proposal been convicted of or had a civil judgment rendered against any of them for:
 - 1. Commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction, or contract under a public transaction,
 - 2. Violation of any Federal or State antitrust statute, or,
 - 3. Commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making any false statement, or receiving stolen property,
 - c. It is not presently indicted for, or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses listed in the preceding subsection 2.b of this Certification,
 - d. It has not had one or more public transactions (Federal, State, or local) terminated for cause or default within a three-year period preceding this Certification,
 - e. If, at a later time, it receives any information that contradicts the statements of subsections 2.a – 2.d above, it will promptly provide that information to FTA,
 - f. It will treat each lower tier contract or lower tier subcontract under its Project as a covered lower tier contract for purposes of 2 CFR part 1200 and 2 CFR part 180 if it:
 - 1. Equals or exceeds \$25,000.,
 - 2. Is for audit services, or,
 - 3. Requires the consent of a Federal official, and
 - g. It will require that each covered lower tier contractor and subcontractor:
 - 1. Comply and facilitate compliance with the Federal requirements of 2 CFR parts 180 and 1200, and
 - 2. Assure that each lower tier participant in its Project is not presently declared by any Federal department or agency to be:
 - a. Debarred from participation in its federally funded Project,
 - b. Suspended from participation in its federally funded Project,
 - c. Proposed for debarment from participation in its federally funded Project,
 - d. Declared ineligible to participate in its federally funded Project,
 - e. Voluntarily excluded from participation in its federally funded Project, or
 - f. Disqualified from participation in its federally funded Project, and
 - 3. It will provide a written explanation as indicated on a page attached in FTA's TrAMS platform or the Signature Page if it or any of its principals, including any of its first tier Subrecipients or its Third-Party Participants at a lower tier, is unable to certify compliance with the preceding statements in this Certification Group.
- (3) It will provide a written explanation as indicated on a page attached in FTA's TrAMS platform or the Signature Page if it or any of its principals, including any of its first tier Subrecipients or its Third-Party Participants at a lower tier, is unable to certify compliance with the preceding statements in this Certification Group.

Certification

Contractor: The Braun Corporation

Signature of Authorized Official: Andy Conner Date 1 / 23 / 23

Name and Title of Contractor's Authorized Official: Andy Conner, Commercial WAV Bid Mgr.

GOVERNMENT-WIDE DEBARMENT AND SUSPENSION (NONPROCUREMENT)

Instructions for Certification: By signing and submitting this bid or proposal, the prospective lower tier participant is providing the signed certification set out below.

- (1) It will comply and facilitate compliance with U.S. DOT regulations, "Nonprocurement Suspension and Debarment," 2 CFR part 1200, which adopts and supplements the U.S. Office of Management and Budget (U.S. OMB) "Guidelines to Agencies on Governmentwide Debarment and Suspension (Nonprocurement)," 2 CFR part 180,
- (2) To the best of its knowledge and belief, that its Principals and Subrecipients at the first tier:
- a. Are eligible to participate in covered transactions of any Federal department or agency and are not presently:
 - 1. Debarred,
 - 2. Suspended,
 - 3. Proposed for debarment,
 - 4. Declared ineligible,
 - 5. Voluntarily excluded, or
 - 6. Disqualified,
 - b. Its management has not within a three-year period preceding its latest application or proposal been convicted of or had a civil judgment rendered against any of them for:
 - 1. Commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction, or contract under a public transaction,
 - 2. Violation of any Federal or State antitrust statute, or,
 - 3. Commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making any false statement, or receiving stolen property,
 - c. It is not presently indicted for, or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses listed in the preceding subsection 2.b of this Certification,
 - d. It has not had one or more public transactions (Federal, State, or local) terminated for cause or default within a three-year period preceding this Certification,
 - e. If, at a later time, it receives any information that contradicts the statements of subsections 2.a – 2.d above, it will promptly provide that information to FTA,
 - f. It will treat each lower tier contract or lower tier subcontract under its Project as a covered lower tier contract for purposes of 2 CFR part 1200 and 2 CFR part 180 if it:
 - 1. Equals or exceeds \$25,000,,
 - 2. Is for audit services, or,
 - 3. Requires the consent of a Federal official, and
 - g. It will require that each covered lower tier contractor and subcontractor:
 - 1. Comply and facilitate compliance with the Federal requirements of 2 CFR parts 180 and 1200, and
 - 2. Assure that each lower tier participant in its Project is not presently declared by any Federal department or agency to be:
 - a. Debarred from participation in its federally funded Project,
 - b. Suspended from participation in its federally funded Project,
 - c. Proposed for debarment from participation in its federally funded Project,
 - d. Declared ineligible to participate in its federally funded Project,
 - e. Voluntarily excluded from participation in its federally funded Project, or
 - f. Disqualified from participation in its federally funded Project, and
 - 3. It will provide a written explanation as indicated on a page attached in FTA's TrAMS platform or the Signature Page if it or any of its principals, including any of its first tier Subrecipients or its Third-Party Participants at a lower tier, is unable to certify compliance with the preceding statements in this Certification Group.
- (3) It will provide a written explanation as indicated on a page attached in FTA's TrAMS platform or the Signature Page if it or any of its principals, including any of its first tier Subrecipients or its Third-Party Participants at a lower tier, is unable to certify compliance with the preceding statements in this Certification Group.

Certification

Contractor: Sunset Vans, Inc.

Signature of Authorized Official: David Spencer Date Jan 20, 2023 /

Name and Title of Contractor's Authorized Official: David Spencer, National Dealer Account Manager

GOVERNMENT-WIDE DEBARMENT AND SUSPENSION (NONPROCUREMENT)

Instructions for Certification: By signing and submitting this bid or proposal, the prospective lower tier participant is providing the signed certification set out below.

(1) It will comply and facilitate compliance with U.S. DOT regulations, "Nonprocurement Suspension and Debarment," 2 CFR part 1200, which adopts and supplements the U.S. Office of Management and Budget (U.S. OMB) "Guidelines to Agencies on Governmentwide Debarment and Suspension (Nonprocurement)," 2 CFR part 180,

(2) To the best of its knowledge and belief, that its Principals and Subrecipients at the first tier:

a. Are eligible to participate in covered transactions of any Federal department or agency and are not presently:

1. Debarred,
2. Suspended,
3. Proposed for debarment,
4. Declared ineligible,
5. Voluntarily excluded, or
6. Disqualified,

b. Its management has not within a three-year period preceding its latest application or proposal been convicted of or had a civil judgment rendered against any of them for:

1. Commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction, or contract under a public transaction,
2. Violation of any Federal or State antitrust statute, or,
3. Commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making any false statement, or receiving stolen property,

c. It is not presently indicted for, or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses listed in the preceding subsection 2.b of this Certification,

d. It has not had one or more public transactions (Federal, State, or local) terminated for cause or default within a three-year period preceding this Certification,

e. If, at a later time, it receives any information that contradicts the statements of subsections 2.a – 2.d above, it will promptly provide that information to FTA,

f. It will treat each lower tier contract or lower tier subcontract under its Project as a covered lower tier contract for purposes of 2 CFR part 1200 and 2 CFR part 180 if it:

1. Equals or exceeds \$25,000,,
2. Is for audit services, or,
3. Requires the consent of a Federal official, and

g. It will require that each covered lower tier contractor and subcontractor:

1. Comply and facilitate compliance with the Federal requirements of 2 CFR parts 180 and 1200, and
2. Assure that each lower tier participant in its Project is not presently declared by any Federal department or agency to be:

- a. Debarred from participation in its federally funded Project,
- b. Suspended from participation in its federally funded Project,
- c. Proposed for debarment from participation in its federally funded Project,
- d. Declared ineligible to participate in its federally funded Project,
- e. Voluntarily excluded from participation in its federally funded Project, or
- f. Disqualified from participation in its federally funded Project, and

3. It will provide a written explanation as indicated on a page attached in FTA's TrAMS platform or the Signature Page if it or any of its principals, including any of its first tier Subrecipients or its Third-Party Participants at a lower tier, is unable to certify compliance with the preceding statements in this Certification Group.

(3) It will provide a written explanation as indicated on a page attached in FTA's TrAMS platform or the Signature Page if it or any of its principals, including any of its first tier Subrecipients or its Third-Party Participants at a lower tier, is unable to certify compliance with the preceding statements in this Certification Group.

Certification

Contractor: Forest River Bus, LLC

Signature of Authorized Official:  Date 1 / 20 / 2023

Name and Title of Contractor's Authorized Official: Scott Defrees, Government Bid Team Manager

BUS TESTING CERTIFICATION

The undersigned bidder [Contractor/Manufacturer] certifies that the vehicle model or vehicle models offered in this bid submission complies with 49 U.S.C 5318(e) and FTA's implementation regulation at 49 CFR Part 665.

A copy of the test report (for each bid ITEM) prepared by the Federal Transit Administration's (FTA) Altoona, Pennsylvania Bus Testing Center is attached to this certification and is a true and correct copy of the test report as prepared by the facility.

The undersigned understands that misrepresenting the testing status of a vehicle acquired with Federal financial assistance may subject the undersigned to civil penalties as outlined in the U.S. Department of Transportation's regulation on Program Fraud Civil Remedies, 49 CFR Part 31. In addition, the undersigned understands that FTA may suspend or debar a manufacturer under the procedures in 49 CFR Part 29.

Certification

Name of Bidder/Company Name: Soderholm Sales and Leasing, Inc.
Type or print name Gabrielle Soderholm, Corporate Officer
Signature of authorized representative: Gabrielle Soderholm
Date of Signature: 01 / 23 / 23

BUS TESTING CERTIFICATION

The undersigned bidder [Contractor/Manufacturer] certifies that the vehicle model or vehicle models offered in this bid submission complies with 49 U.S.C 5318(e) and FTA's implementation regulation at 49 CFR Part 665.

A copy of the test report (for each bid ITEM) prepared by the Federal Transit Administration's (FTA) Altoona, Pennsylvania Bus Testing Center is attached to this certification and is a true and correct copy of the test report as prepared by the facility.

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Certification

Name of Bidder/Company Name: The Braun Corporation

Type or print name Andy Conner, Commercial WAV Bid Mgr.

Signature of authorized representative: *Andy Conner*

Date of Signature: 1 / 23 / 23

BUS TESTING CERTIFICATION

The undersigned bidder [Contractor/Manufacturer] certifies that the vehicle model or vehicle models offered in this bid submission complies with 49 U.S.C 5318(e) and FTA's implementation regulation at 49 CFR Part 665.

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Certification

Name of Bidder/Company Name: Sunset Vans, Inc.
Type or print name David Spencer
Signature of authorized representative: *David Spencer*
Date of Signature: Jan 20, 2023 / _____

BUS TESTING CERTIFICATION

The undersigned bidder [Contractor/Manufacturer] certifies that the vehicle model or vehicle models offered in this bid submission complies with 49 U.S.C 5318(e) and FTA's implementation regulation at 49 CFR Part 665.

A copy of the test report (for each bid ITEM) prepared by the Federal Transit Administration's (FTA) Altoona, Pennsylvania Bus Testing Center is attached to this certification and is a true and correct copy of the test report as prepared by the facility.

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Certification

Name of Bidder/Company Name: Forest River Bus, LLC

Type or print name Scott Defrees

Signature of authorized representative: 

Date of Signature: 1 / 20 / 2023

PRE-AWARD CERTIFICATION FOR PROCUREMENT OF ROLLING STOCK (VENDOR)

PRE-AWARD AUDIT REQUIREMENTS: A recipient purchasing revenue service rolling stock with FTA funds must ensure that a pre-award audit under this part is complete before the recipient enters into a formal contract for the purchase of such rolling stock.

DESCRIPTION OF PRE-AWARD AUDIT: A pre-award audit under this part includes— (a) A Buy America certification; (b) A purchaser's requirements certification; and (c) Where appropriate, a manufacturer's Federal Motor Vehicle Safety certification information.

PRE-AWARD BUY AMERICA CERTIFICATION: For purposes of this part, a pre-award Buy America certification is a certification that the recipient keeps on file that:

- a. There is a letter from FTA which grants a waiver to the rolling stock to be purchased from the Buy America requirements under section 165(b)(1), (b)(2), or (b)(4) of the Surface Transportation Assistance Act of 1982, as amended; or
- b. The recipient is satisfied that the rolling stock to be purchased meets the requirements of section 165(a) or (b)(3) of the Surface Transportation Assistance Act of 1982, as amended, after having reviewed itself or through an audit prepared by someone other than the manufacturer or its agent documentation provided by the manufacturer which lists:
 1. The Component and subcomponent parts of the rolling stock that are produced in the United States is more than sixty percent (60%) of the cost of all components and subcomponents of the vehicle identified by the manufacturer; and
 2. The location of the final assembly must take place in the United States (49 CFR 661.11), including a description of the activities that will take place at the final assembly point and the cost of final assembly.

PRE-AWARD PURCHASERS REQUIREMENTS CERTIFICATION: For purposes of this part, a pre-award purchaser's requirements certification is a certification a recipient keeps on file that:

- a. The rolling stock the recipient is contracting for is the same product described in the purchaser's solicitation specification; and
- b. The proposed manufacturer is a responsible manufacturer with the capability to produce a vehicle that meets the recipient's specification set forth in the recipient's solicitation.

If buses or other rolling stock (including train control, communication, and traction power equipment) are being procured, the appropriate certificate as set forth below shall be completed and submitted by each bidder in accordance with the requirements in 49 CFR 661.13(b).

PRE-AWARD FMVSS COMPLIANCE CERTIFICATION: As required by Title 49 of the CFR, Part 663 – Subpart D, the recipient certifies that it received, at the pre-award stage, a copy of the manufacturers self-certification information stating that the buses will comply with the relevant Federal Motor Vehicle Safety Standards issued by the National Highway Traffic Safety Administration in Title 49 of the Code of Federal Regulations, Part 571.

Bidder or Offeror Certificate of COMPLIANCE with Buy America and FMVSS Rolling Stock Requirements

As required by 49 CFR Part 663, the bidder or offeror hereby certifies that it will comply with the requirements of 49 U.S.C. 5323(j), and the applicable regulations of 49 CFR 661.11.

Company Soderholm Sales and Leasing, Inc.
Name Gabrielle Soderholm Title Corporate Officer
Signature Gabrielle Soderholm Date 01 / 23 / 23

Bidder or Offeror Certificate of NON-COMPLIANCE with Buy America and FMVSS Rolling Stock Requirements

As required by 49 CFR Part 663, the bidder or offeror hereby certifies that it cannot comply with the requirements of 49 U.S.C. 5323(j), but may qualify for an exception to the requirement consistent with 49 U.S.C. 5323(j)(2), as amended, and the applicable regulations in 49 CFR 661.7.

Certification

Company _____
Name _____ Title _____
Signature _____ Date ____/____/____

PRE-AWARD CERTIFICATION FOR PROCUREMENT OF ROLLING STOCK (VENDOR)

PRE-AWARD AUDIT REQUIREMENTS: A recipient purchasing revenue service rolling stock with FTA funds must ensure that a pre-award audit under this part is complete before the recipient enters into a formal contract for the purchase of such rolling stock.

DESCRIPTION OF PRE-AWARD AUDIT: A pre-award audit under this part includes— (a) A Buy America certification; (b) A purchaser's requirements certification; and (c) Where appropriate, a manufacturer's Federal Motor Vehicle Safety certification information.

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- b. The recipient is satisfied that the rolling stock to be purchased meets the requirements of section 165(a) or (b)(3) of the Surface Transportation Assistance Act of 1982, as amended, after having reviewed itself or through an audit prepared by someone other than the manufacturer or its agent documentation provided by the manufacturer which lists:
 - 1. The Component and subcomponent parts of the rolling stock that are produced in the United States is more than sixty percent (60%) of the cost of all components and subcomponents of the vehicle identified by the manufacturer; and
 - 2. The location of the final assembly must take place in the United States (49 CFR 661.11), including a description of the activities that will take place at the final assembly point and the cost of final assembly.

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- b. The proposed manufacturer is a responsible manufacturer with the capability to produce a vehicle that meets the recipient's specification set forth in the recipient's solicitation.

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Bidder or Offeror Certificate of COMPLIANCE with Buy America and FMVSS Rolling Stock Requirements

As required by 49 CFR Part 663, the bidder or offeror hereby certifies that it will comply with the requirements of 49 U.S.C. 5323(j), and the applicable regulations of 49 CFR 661.11.

Company The Braun Corporation

Name Andy Conner Title Commercial WAV Bid Mgr.

Signature *Andy Conner* Date 1 / 23 / 23

Bidder or Offeror Certificate of NON-COMPLIANCE with Buy America and FMVSS Rolling Stock Requirements

As required by 49 CFR Part 663, the bidder or offeror hereby certifies that it cannot comply with the requirements of 49 U.S.C. 5323(j), but may qualify for an exception to the requirement consistent with 49 U.S.C. 5323(j)(2), as amended, and the applicable regulations in 49 CFR 661.7.

Certification

Company _____

Name _____ Title _____

Signature _____ Date _____ / _____ / _____

PRE-AWARD CERTIFICATION FOR PROCUREMENT OF ROLLING STOCK (VENDOR)

PRE-AWARD AUDIT REQUIREMENTS: A recipient purchasing revenue service rolling stock with FTA funds must ensure that a pre-award audit under this part is complete before the recipient enters into a formal contract for the purchase of such rolling stock.

DESCRIPTION OF PRE-AWARD AUDIT: A pre-award audit under this part includes— (a) A Buy America certification; (b) A purchaser's requirements certification; and (c) Where appropriate, a manufacturer's Federal Motor Vehicle Safety certification information.

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Bidder or Offeror Certificate of COMPLIANCE with Buy America and FMVSS Rolling Stock Requirements

As required by 49 CFR Part 663, the bidder or offeror hereby certifies that it will comply with the requirements of 49 U.S.C. 5323(j), and the applicable regulations of 49 CFR 661.11.

Company Sunset Vans, Inc.
Name David Spencer Title National Dealer Account Manager
Signature *David Spencer* Date Jan 20, 2023 / /

Bidder or Offeror Certificate of NON-COMPLIANCE with Buy America and FMVSS Rolling Stock Requirements

As required by 49 CFR Part 663, the bidder or offeror hereby certifies that it cannot comply with the requirements of 49 U.S.C. 5323(j), but may qualify for an exception to the requirement consistent with 49 U.S.C. 5323(j)(2), as amended, and the applicable regulations in 49 CFR 661.7.

Certification

Company _____
Name _____ Title _____
Signature _____ Date _____ / _____ / _____

PRE-AWARD CERTIFICATION FOR PROCUREMENT OF ROLLING STOCK (VENDOR)

PRE-AWARD AUDIT REQUIREMENTS: A recipient purchasing revenue service rolling stock with FTA funds must ensure that a pre-award audit under this part is complete before the recipient enters into a formal contract for the purchase of such rolling stock.

DESCRIPTION OF PRE-AWARD AUDIT: A pre-award audit under this part includes— (a) A Buy America certification; (b) A purchaser's requirements certification; and (c) Where appropriate, a manufacturer's Federal Motor Vehicle Safety certification information.

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- b. The recipient is satisfied that the rolling stock to be purchased meets the requirements of section 165(a) or (b)(3) of the Surface Transportation Assistance Act of 1982, as amended, after having reviewed itself or through an audit prepared by someone other than the manufacturer or its agent documentation provided by the manufacturer which lists:
 - 1. The Component and subcomponent parts of the rolling stock that are produced in the United States is more than sixty percent (60%) of the cost of all components and subcomponents of the vehicle identified by the manufacturer; and
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If buses or other rolling stock (including train control, communication, and traction power equipment) are being procured, the appropriate certificate as set forth below shall be completed and submitted by each bidder in accordance with the requirements in 49 CFR 661.13(b).

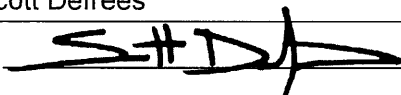
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Bidder or Offeror Certificate of COMPLIANCE with Buy America and FMVSS Rolling Stock Requirements

As required by 49 CFR Part 663, the bidder or offeror hereby certifies that it will comply with the requirements of 49 U.S.C. 5323(j), and the applicable regulations of 49 CFR 661.11.

Company Forest River Bus, LLC

Name Scott Defrees Title Government Bid Team Manager

Signature  Date 1 / 20 / 2023

Bidder or Offeror Certificate of NON-COMPLIANCE with Buy America and FMVSS Rolling Stock Requirements

As required by 49 CFR Part 663, the bidder or offeror hereby certifies that it cannot comply with the requirements of 49 U.S.C. 5323(j), but may qualify for an exception to the requirement consistent with 49 U.S.C. 5323(j)(2), as amended, and the applicable regulations in 49 CFR 661.7.

Certification

Company _____

Name _____ Title _____

Signature _____ Date ____/____/____

TRANSIT VEHICLE MANUFACTURER (TVM) CERTIFICATION

Pursuant to the provisions of Section 105(f) of the Surface Transportation Assistance Act of 1982, each bidder for this contract must certify that it has complied with the requirements of 49 CFR Part 26.49, regarding the participation of Disadvantaged Business Enterprises (DBE) in FTA assisted procurements of transit vehicles. Absent this certification, properly completed and signed, a bid shall be deemed non-responsive.

Certification:

I hereby certify, for the bidder named below, that it has complied with the provisions of 49 CFR Part 26.49 and that I am duly authorized by said bidder to make this certification.

BIDDER/COMPANY

Name of Bidder/Company Soderholm Sales and Leasing, Inc.
Signature of Representative *Gabrielle Soderholm*
Type or Print Name Gabrielle Soderholm
Title Corporate Officer Date 01 / 23 / 23

TRANSIT VEHICLE MANUFACTURER (TVM) CERTIFICATION

Pursuant to the provisions of Section 105(f) of the Surface Transportation Assistance Act of 1982, each bidder for this contract must certify that it has complied with the requirements of 49 CFR Part 26.49, regarding the participation of Disadvantaged Business Enterprises (DBE) in FTA assisted procurements of transit vehicles. Absent this certification, properly completed and signed, a bid shall be deemed non-responsive.

Certification:

I hereby certify, for the bidder named below, that it has complied with the provisions of 49 CFR Part 26.49 and that I am duly authorized by said bidder to make this certification.

BIDDER/COMPANY

Name of Bidder/Company The Braun Corporation
Signature of Representative *Andy Conner*
Type or Print Name Andy Conner
Title Commercial WAV Bid Mgr. Date 1 / 23 / 23

TRANSIT VEHICLE MANUFACTURER (TVM) CERTIFICATION

Pursuant to the provisions of Section 105(f) of the Surface Transportation Assistance Act of 1982, each bidder for this contract must certify that it has complied with the requirements of 49 CFR Part 26.49, regarding the participation of Disadvantaged Business Enterprises (DBE) in FTA assisted procurements of transit vehicles. Absent this certification, properly completed and signed, a bid shall be deemed non-responsive.

Certification:

I hereby certify, for the bidder named below, that it has complied with the provisions of 49 CFR Part 26.49 and that I am duly authorized by said bidder to make this certification.

BIDDER/COMPANY

Name of Bidder/Company Sunset Vans, Inc
Signature of Representative *David Spencer*
Type or Print Name David Spencer
Title National Dealer Account Manager Date Jan 20, 2023

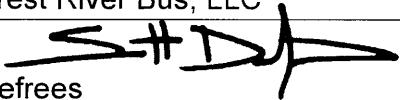
TRANSIT VEHICLE MANUFACTURER (TVM) CERTIFICATION

Pursuant to the provisions of Section 105(f) of the Surface Transportation Assistance Act of 1982, each bidder for this contract must certify that it has complied with the requirements of 49 CFR Part 26.49, regarding the participation of Disadvantaged Business Enterprises (DBE) in FTA assisted procurements of transit vehicles. Absent this certification, properly completed and signed, a bid shall be deemed non-responsive.

Certification:

I hereby certify, for the bidder named below, that it has complied with the provisions of 49 CFR Part 26.49 and that I am duly authorized by said bidder to make this certification.

BIDDER/COMPANY

Name of Bidder/Company Forest River Bus, LLC
Signature of Representative 
Type or Print Name Scott Defrees
Title Government Bid Team Manager Date 1 / 20 / 2023

CERTIFICATION OF COMPLIANCE WITH AMERICANS WITH DISABILITIES ACT

The bidder, Soderholm Sales and Leasing, Inc.,
hereby certifies that the proposed equipment shall meet the requirements of the Americans with
Disabilities Act (ADA) of 1990.

Date: 01/23/23

Signature: Gabrielle Soderholm

Company Name: _____

Name/ Title: Gabrielle Soderholm, Corporate officer

CERTIFICATION OF COMPLIANCE WITH AMERICANS WITH DISABILITIES ACT

The bidder, The Braun Corporation,
hereby certifies that the proposed equipment shall meet the requirements of the Americans with
Disabilities Act (ADA) of 1990.

Date: 1/23/23

Signature: *Andy Conner*

Company Name: The Braun Corporation

Name/ Title: Andy Conner, Commercial WAV Bid Mgr.

CERTIFICATION OF COMPLIANCE WITH AMERICANS WITH DISABILITIES ACT

The bidder, Sunset Vans, Inc.
hereby certifies that the proposed equipment shall meet the requirements of the Americans with Disabilities Act (ADA) of 1990.

Date: Jan 20, 2023

Signature: David Spencer

David Spencer (Jan 20, 2023 19:31 PST)

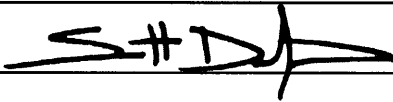
Company Name: Sunset Vans, Inc

Name/ Title: David Spencer, National Dealer Account Manager

CERTIFICATION OF COMPLIANCE WITH AMERICANS WITH DISABILITIES ACT

The bidder, Forest River Bus, LLC,
hereby certifies that the proposed equipment shall meet the requirements of the Americans with
Disabilities Act (ADA) of 1990.

Date: 1/20/2023

Signature: 

Company Name: Forest River Bus, LLC

Name/ Title: Scott Defrees, Government Bid Team Manager

CERTIFICATION REGARDING CONFLICT OF INTEREST

49 CFR §18.36(c)(v) and 49 CFR §19.43 prohibit organizational conflicts of interest as restrictive of competition.

“Organizational conflict of interest” means that, because of other activities or relationship with other persons or firms, a potential Contractor (including its principal participants, directors, proposed consultants or subcontractor(s) would be unable or potentially unable to render impartial, technically sound assistance or advice to the County of Kauai or the potential contractor’s objectivity in performing the contract work would or might be otherwise impaired; or the potential Contractor has an unfair competitive advantage.

On behalf of Soderholm Sales and Leasing, Inc., I certify that:
(Name of Offer)

(Check one)

The Offeror does not have any relationships with any firms or individuals that are or appear to be an organizational conflict of interest.

The Offeror has had the following relationships with the specific firm(s) / individual(s), identified on the attached sheet, which may be determined to be an organizational conflict of interest. I understand that based on the information I have provided, the County may exclude the Offeror from further consideration and may withdraw its selection if the real or apparent organizational conflict of interest cannot be avoided or mitigated. I further certify that the degree and extent of the relationship of the Offeror with these named firm(s)/individual(s) have been fully disclosed on the attached sheet.

Date: 01/23/23

Signature: Gabrielle Soderholm

Company Name: Soderholm Sales and Leasing, Inc.

Name/ Title: Gabrielle Soderholm, Corporate officer

CERTIFICATION REGARDING CONFLICT OF INTEREST

49 CFR §18.36(c)(v) and 49 CFR §19.43 prohibit organizational conflicts of interest as restrictive of competition.

“Organizational conflict of interest” means that, because of other activities or relationship with other persons or firms, a potential Contractor (including its principal participants, directors, proposed consultants or subcontractor(s) would be unable or potentially unable to render impartial, technically sound assistance or advice to the County of Kauai or the potential contractor’s objectivity in performing the contract work would or might be otherwise impaired; or the potential Contractor has an unfair competitive advantage.

On behalf of The Braun Corporation, I certify that:

(Name of Offer)

(Check one)

The Offeror does not have any relationships with any firms or individuals that are or appear to be an organizational conflict of interest.

The Offeror has had the following relationships with the specific firm(s) / individual(s), identified on the attached sheet, which may be determined to be an organizational conflict of interest. I understand that based on the information I have provided, the County may exclude the Offeror from further consideration and may withdraw its selection if the real or apparent organizational conflict of interest cannot be avoided or mitigated. I further certify that the degree and extent of the relationship of the Offeror with these named firm(s)/individual(s) have been fully disclosed on the attached sheet.

Date: 1/23/23

Signature: *Andy Conner*

Company Name: The Braun Corporation

Name/ Title: Andy Conner, Commercial WAV Bid Mgr.

CERTIFICATION REGARDING CONFLICT OF INTEREST

49 CFR §18.36(c)(v) and 49 CFR §19.43 prohibit organizational conflicts of interest as restrictive of competition.

“Organizational conflict of interest” means that, because of other activities or relationship with other persons or firms, a potential Contractor (including its principal participants, directors, proposed consultants or subcontractor(s) would be unable or potentially unable to render impartial, technically sound assistance or advice to the County of Kauai or the potential contractor’s objectivity in performing the contract work would or might be otherwise impaired; or the potential Contractor has an unfair competitive advantage.

On behalf of Sunset Vans, Inc, I certify that:
(Name of Offer)

(Check one)

The Offeror does not have any relationships with any firms or individuals that are or appear to be an organizational conflict of interest.

The Offeror has had the following relationships with the specific firm(s) / individual(s), identified on the attached sheet, which may be determined to be an organizational conflict of interest. I understand that based on the information I have provided, the County may exclude the Offeror from further consideration and may withdraw its selection if the real or apparent organizational conflict of interest cannot be avoided or mitigated. I further certify that the degree and extent of the relationship of the Offeror with these named firm(s)/individual(s) have been fully disclosed on the attached sheet.

Date: Jan 20, 2023

Signature: David Spencer
David Spencer Jan 20, 2023 19:31 PST

Company Name: Sunset Vans, Inc

Name/ Title: David Spencer, National Dealer Account Manager

CERTIFICATION REGARDING CONFLICT OF INTEREST

49 CFR §18.36(c)(v) and 49 CFR §19.43 prohibit organizational conflicts of interest as restrictive of competition.

“Organizational conflict of interest” means that, because of other activities or relationship with other persons or firms, a potential Contractor (including its principal participants, directors, proposed consultants or subcontractor(s) would be unable or potentially unable to render impartial, technically sound assistance or advice to the County of Kauai or the potential contractor’s objectivity in performing the contract work would or might be otherwise impaired; or the potential Contractor has an unfair competitive advantage.

On behalf of Scott Defrees , Forest River BUS, LLC, I certify that:

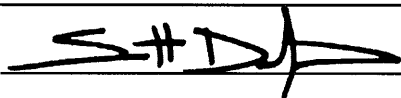
(Name of Offer)

(Check one)

The Offeror does not have any relationships with any firms or individuals that are or appear to be an organizational conflict of interest.

 The Offeror has had the following relationships with the specific firm(s) / individual(s), identified on the attached sheet, which may be determined to be an organizational conflict of interest. I understand that based on the information I have provided, the County may exclude the Offeror from further consideration and may withdraw its selection if the real or apparent organizational conflict of interest cannot be avoided or mitigated. I further certify that the degree and extent of the relationship of the Offeror with these named firm(s)/individual(s) have been fully disclosed on the attached sheet.

Date: 1/20/2023

Signature: 

Company Name: Forest River Bus, LLC

Name/ Title: Scott Defrees, Government Bid Team Manager

AFFIDAVIT OF NON-COLLUSION

I hereby swear (or affirm) under the penalty for perjury:

1. That I am the bidder having authority to sign on its behalf:
2. That the attached bid or bids have been arrived at by the bidder independently and have been submitted without collusion and without agreement, understanding, or planned common course of action with any other vendor of materials, supplies, equipment, or service described in the invitation to Bid, designed to limit independent bidding or competition.
3. That the contents of the bid or bids have not been communicated by the bidder or its employees or agents to any person not an employee or agent of the bidder or its surety on any bond furnished with the bid or bids, and will not be communicated to any such person prior to the official opening of the bid or bids; and
4. That I have fully informed myself regarding the accuracy of the statements made in the affidavit.

Date: 01/23/23

Signature: Gabrielle Soderholm

Company: Soderholm Sales and Leasing, Inc.

Name/ Title: Gabrielle Soderholm, Corporate officer

AFFIDAVIT OF NON-COLLUSION

I hereby swear (or affirm) under the penalty for perjury:

1. That I am the bidder having authority to sign on its behalf:
2. That the attached bid or bids have been arrived at by the bidder independently and have been submitted without collusion and without agreement, understanding, or planned common course of action with any other vendor of materials, supplies, equipment, or service described in the invitation to Bid, designed to limit independent bidding or competition.
3. That the contents of the bid or bids have not been communicated by the bidder or its employees or agents to any person not an employee or agent of the bidder or its surety on any bond furnished with the bid or bids, and will not be communicated to any such person prior to the official opening of the bid or bids; and
4. That I have fully informed myself regarding the accuracy of the statements made in the affidavit.

Date: 1/23/23

Signature: Andy Conner

Company: The Braun Corporation

Name/ Title: Andy Conner, Commercial WAV Bid Mgr.

AFFIDAVIT OF NON-COLLUSION

I hereby swear (or affirm) under the penalty for perjury:

1. That I am the bidder having authority to sign on its behalf:
2. That the attached bid or bids have been arrived at by the bidder independently and have been submitted without collusion and without agreement, understanding, or planned common course of action with any other vendor of materials, supplies, equipment, or service described in the invitation to Bid, designed to limit independent bidding or competition.
3. That the contents of the bid or bids have not been communicated by the bidder or its employees or agents to any person not an employee or agent of the bidder or its surety on any bond furnished with the bid or bids, and will not be communicated to any such person prior to the official opening of the bid or bids; and
4. That I have fully informed myself regarding the accuracy of the statements made in the affidavit.

Date: Jan 20, 2023

Signature: *David Spencer*
David Spencer Jan 20, 2023 10:31 PST

Company: Sunset Vans, Inc

Name/ Title: David Spencer, National Dealer Account Manager

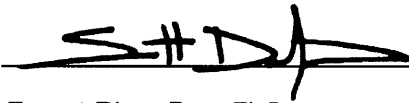
AFFIDAVIT OF NON-COLLUSION

I hereby swear (or affirm) under the penalty for perjury:

1. That I am the bidder having authority to sign on its behalf:
2. That the attached bid or bids have been arrived at by the bidder independently and have been submitted without collusion and without agreement, understanding, or planned common course of action with any other vendor of materials, supplies, equipment, or service described in the invitation to Bid, designed to limit independent bidding or competition.
3. That the contents of the bid or bids have not been communicated by the bidder or its employees or agents to any person not an employee or agent of the bidder or its surety on any bond furnished with the bid or bids, and will not be communicated to any such person prior to the official opening of the bid or bids; and
4. That I have fully informed myself regarding the accuracy of the statements made in the affidavit.

Date: 1/20/2023

Signature: _____



Company: Forest River Bus, LLC

Name/ Title: Scott Defrees, Government Bid Team Manager

State of Hawaii
Department of Transportation
Statewide Transportation Planning Office

**CERTIFICATE OF COMPLIANCE
DISADVANTAGED BUSINESS ENTERPRISE**

The undersigned certifies that it and the transit vehicle manufacturer meet the requirements of 49 CFR Part 26.49.

Federal-Aid Project No.: B23001311 (STP-5310-22AR)

Soderholm Sales and Leasing, Inc

Bidder

Gabrielle Soderholm



By

(Authorized Signature)

Corporate Officer

Title

2044 Dillingham Blvd, Honolulu, HI 96819

Business Address

(808) 834-1417

Business Telephone

01/23/23

Date

State of Hawaii
Department of Transportation
Statewide Transportation Planning Office

**CERTIFICATE OF COMPLIANCE
DISADVANTAGED BUSINESS ENTERPRISE**

The undersigned certifies that it and the transit vehicle manufacturer meet the requirements of 49 CFR Part 26.49.

Federal-Aid Project No.: B23001311 (STP-5310-22AP)

The Braun Corporation

Bidder

Andy Conner

Andy Conner

By

(Authorized Signature)

Commercial WAV Bid Mgr.

Title

631 W. 11th St., Winamac, IN 46996

Business Address

800.946.7513

Business Telephone

01/23/23

Date

State of Hawaii
Department of Transportation
Statewide Transportation Planning Office

**CERTIFICATE OF COMPLIANCE
DISADVANTAGED BUSINESS ENTERPRISE**

The undersigned certifies that it and the transit vehicle manufacturer meet the requirements of 49 CFR Part 26.49.

Federal-Aid Project No.: B23001311 (STP-5310-22AR)

Sunset Vans, Inc.

Bidder

David Spencer

David Spencer

By

(Authorized Signature)

National Dealer Account Manager

Title

1301 Pomona Rd, Corona, CA 92882

Business Address

(888) 280-8267

Business Telephone

01/23/23

Date



U.S. Department
Of Transportation
**Federal Transit
Administration**

Headquarters

East Building, 5th Floor – TCR
1200 New Jersey Avenue, SE
Washington, DC 20590

October 26, 2021

Chris Perez, DBELO
Sunset Vans, Inc.
8851 Lakewood Boulevard
Downey, CA 90240

Re: TVM DBE Goal Concurrence/Certification Letter – Fiscal Year 2022

Dear Mr. Perez:

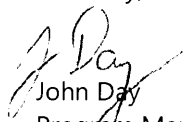
This letter is to inform you that the Federal Transit Administration's (FTA) Office of Civil Rights has received Sunset Vans, Inc.'s Disadvantaged Business Enterprise (DBE) goal and methodology for FY 2022 for the period of October 1, 2021–September 30, 2022. This goal submission is required by the U.S. Department of Transportation's DBE regulations at 49 CFR Part 26 and must be implemented in good faith.

We have reviewed your firm's FY 2022 DBE goal and determined that it complies with DOT's DBE regulations. Your firm is eligible to bid on FTA-funded transit contracts. This letter or a copy of the TVM listing on FTA's website may be used to demonstrate your firm's compliance with DBE requirements when bidding on federally funded vehicle procurements.

FTA reserves the right to remove/suspend this concurrence if your DBE program or FY 2022 DBE goal is not implemented in good faith. In accordance with this good faith requirement, you must submit your DBE Uniform Report to FTA by June 1, 2022. This report should reflect all FTA-funded contracting activity for the first period of FY 2022 (i.e., from September 1 to March 31).

Also note that your FY 2023 DBE goal methodology must be submitted to FTA by August 1, 2022. Any significant updates to the program plan must be submitted to FTA as they occur. If you have any questions, please contact the FTA DBE Team via email at FTATVMSubmissions@dot.gov.

Sincerely,


John Day
Program Manager
Office of Civil Rights

State of Hawaii
Department of Transportation
Statewide Transportation Planning Office

**CERTIFICATE OF COMPLIANCE
DISADVANTAGED BUSINESS ENTERPRISE**

The undersigned certifies that it and the transit vehicle manufacturer meet the requirements of 49 CFR Part 26.49.

Federal-Aid Project No.: B 23001311 (STP-5310-22AK)

Starcraft Bus, A Division of Forest River Inc.
Bidder


By (Authorized Signature)

Government Bid Sales
Title

2367 Century Drive, Goshen, IN 46528
Business Address

800-348-7440
Business Telephone

01/23/23
Date



Pre-Award Buy America Certification

Manufacturer: The Braun Corporation
Bid No.
Description: Wheelchair Accesible Vehicle
End User: State of HI
VIN / Job: BA2771850
Final assembly activities completed at: The Braun Corporation
 631 W 11th St. Winamac, IN 46996

Component	Manufacturer	Country of Origin	C % of Total Cost
OEM Chassis	FCA Canada	Windsor, Ontario, Canada	36.415%
Weldment	The Braun Corporation	Winamac, IN, United States	9.420%
Sub Assembly	The Braun Corporation	Winamac, IN, United States	6.629%
Seats - Seating & Fabric	The Braun Corporation	Winamac, IN, United States	6.522%
Ramp Parts & Assemblies	The Braun Corporation	Winamac, IN, United States	3.499%
Plastic - Vacform & Inj.	The Braun Corporation	Winamac, IN, United States	1.348%
ADA & Special Equip.	The Braun Corporation	Winamac, IN, United States	1.265%
Metal Fabrication	The Braun Corporation	Winamac, IN, United States	0.720%
Wire / Harness / Loom	Altex	Westfield, IN, United States	0.598%
Plastic - Vacform & Inj.	Lippert Components Inc	Chicago, IL, United States	0.422%
Metal Fabrication	MORryde International, Inc.	Elkhart, IN, United States	0.416%
Weldment	Standard Integrated Solutions, Inc.	Winamac, IN, United States	0.390%
Plastic - Vacform & Inj.	Patrick Industries Inc	Elkart, IN, United States	0.301%
Heat, Ventilation, Air Cond.	Formfab LLC	Rochester Hills, MI, United States	0.285%
Electronics / Switches & Senso	FEV North America Inc.	Auburn Hills, MI, United States	0.239%
Option-Vehicle	The Braun Corporation	Winamac, IN, United States	0.226%
Fuel system & Undercarriage	Formfab LLC	Rochester Hills, MI, United States	0.180%
Metal Fabrication	Cutting Edge Machine & Tool	New Paris, IN, United States	0.172%
Metal Fabrication	LSI Metal Fabrication	Logansport, IN, United States	0.133%
Restraint Systems & Belts	The Braun Corporation	Winamac, IN, United States	0.085%
Metal Fabrication	Standard Integrated Solutions, Inc.	Winamac, IN, United States	0.077%
Brake System	Formfab LLC	Rochester Hills, MI, United States	0.065%
ADA & Special Equip.	Cooper-Standard Automotive Fhs, Inc.	Chicago, IL, United States	0.058%
Metal Machined Parts	Cutting Edge Machine & Tool	New Paris, IN, United States	0.055%
Fuel system & Undercarriage	Cooper-Standard Automotive Fhs, Inc.	Chicago, IL, United States	0.048%
Metal Fabrication	Quality Tool And Stamping, Inc.	Muskegon Heights, MI, United States	0.042%
Plastic - Vacform & Inj.	SPI Blow Molding LLC	Coloma, MI, United States	0.042%
Media / Decals / Literature	Sharpline Converting Inc.	Wichita, KS, United States	0.039%
Heat, Ventilation, Air Cond.	HS Automotive USA LLC	Enterprise, AL, United States	0.037%
Exhaust System & Components	Exhaust Productions Inc.	Merrillville, IN, United States	0.036%
Restraint Systems & Belts	QStraint USA	Atlanta, GA, United States	0.034%
Sub Assembly	Vista Manufacturing Inc	Elkhart, IN, United States	0.032%
Metal Machined Parts	The Braun Corporation	Winamac, IN, United States	0.032%
Plastic - Vacform & Inj.	Proto Shapes, Inc.	Coldwater, MI, United States	0.032%
Wire / Harness / Loom	Cable Assembly, LLC	Charlotte, NC, United States	0.022%



Media / Decals / Literature	Webb Printing	Winamac, IN, United States	0.021%
Hydraulics / Hoses / Fittings	Cooper-Standard Automotive Fhs, Inc.	Chicago, IL, United States	0.016%
Metal Machined Parts	Kilgore Manufacturing Co. Inc.	Columbia City, IN, United States	0.015%
ADA & Special Equip.	Fastenal Company	Winona, MN, United States	0.014%
Vehicle Section - Qty Bearing	The Braun Corporation	Winamac, IN, United States	0.013%
Wire / Harness / Loom	The Braun Corporation	Winamac, IN, United States	0.013%
Media / Decals / Literature	Mandala Screen Printing	Winamac, IN, United States	0.012%
Plastic - Vacform & Inj.	Impact Molding Shelbyville	Carol Stream, IL, United States	0.012%
Electronics / Switches & Senso	Vista Manufacturing Inc	Elkhart, IN, United States	0.010%
Heat, Ventilation, Air Cond.	Cooper-Standard Automotive Fhs, Inc.	Chicago, IL, United States	0.009%
Metal Machined Parts	MJ Celco, Inc.	Schiller Park, IL, United States	0.008%
NVH	GDC, Inc	Goshen, IN, United States	0.008%
Wire / Harness / Loom	Vista Manufacturing Inc	Elkhart, IN, United States	0.007%
Exhaust System & Components	Standard Industrial Supply	Winamac, IN, United States	0.006%
Heat, Ventilation, Air Cond.	Standard Industrial Supply	Winamac, IN, United States	0.004%
Hardware - Nuts Bolts & Screws	Umpco, Inc.	Garden Grove, CA, United States	0.004%
Fuel system & Undercarriage	Standard Industrial Supply	Winamac, IN, United States	0.003%
Media / Decals / Literature	Dec-O-Art, Inc.	Elkhart, IN, United States	0.003%
Electronics / Switches & Senso	Umpco, Inc.	Garden Grove, CA, United States	0.001%
Hardware - Nuts Bolts & Screws	The Braun Corporation	Winamac, IN, United States	0.001%
Brake System	The Braun Corporation	Winamac, IN, United States	0.001%
Hardware - Nuts Bolts & Screws	Caplugs	Carol Stream, IL, United States	0.001%
Media / Decals / Literature	DuraMark Technologies Inc.	Westfield, IN, United States	0.001%
Fuel system & Undercarriage	dlhBowles Inc.	Canton, OH, United States	0.001%
Grand Total			70.094%

Cost of final assembly as related to cost of vehicle (percentage): 6.09%

Description of final assembly activities detailed on next page.

Date: 01/23/2023

Signature: *Andy Conner*

Print Name: Andy Conner

Title: Commercial Vehicle Manager

Description of final assembly activities:

1. Braun's Final Assembly manufacturing processes consist of the following:
 - (a) "Seat Installation": Installation of seats in the first, second, and third seating rows in the vehicle.
 - (b) "Subsystem Installation": Installation of new lines for rear brake, fuel, heat, and air conditioning components.
 - (c) "Fuel Tank System Installation": Installed the fuel tank. Installation and interconnection of the new fuel fill pipe assembly to meet the relocated and rotated OEM fuel tank.
 - (d) "Exhaust Installation & Interconnection": Installing a new exhaust pipe, hanger brackets, and the OEM muffler.
 - (e) "Engine/Transmission/Front Suspension Assembly Modifications": Disconnecting the engine, transmission, and front suspension assembly in order to raise the body to accommodate the lowered floor. Modifications are made to the engine, transmission, and front suspension assembly, involve adding various types of spacing brackets, custom steering shaft extension, and two engine cradle safety bracket tube extensions, and reconnecting the engine, transmission, and front suspension assembly.
 - (f) "Slide Door Installation": Doors are installed and tested to verify proper travel and function.
 - (g) "Rear Axle & Suspension Installation & Interconnection": Installation of the rear axle, addition of brake line extensions, and rear brake lines fastened.
 - (h) "Flooring & Walls Installation": Installation of flooring substrate and covering and carpet or plastic panels with carpeted inserts. Walls are covered with new interior panels and trims.
 - (i) "Rear Bumper Installation": Installation of the reinforced rear bumper.
 - (j) "Wiring Installation": Installation of new and reroute existing wiring to accommodate the new seating systems, airbag systems, wheelchair ramp system, slide door operation, and other accessibility modifications such as kneeling function.
 - (k) "Ramp Installation & Interconnection": Installation and interconnection of the wheelchair ramp.
 - (l) "Undercoating": Newly installed components are coated, and the entire floor is undercoated.
 - (m) "Inspection & Certification": The vehicle is inspected, weighed, road tested, identified repairs completed if required, and recertified to all applicable FMVSS by Braun in preparation of the vehicles for delivery.



Pre-Award Buy America

PURCHASER'S REQUIREMENTS CERTIFICATION

Purchaser - FTA Grantee	State of HI
Quantity	1
Description of Vehicles	ADA Lowered-Floor Minivan Side-Entry Fold-Out Ramp
Bid / RFP Contract Number	

As required by Title 49 of the CFR, Part 663 - Subpart B, **BraunAbility | The Braun Corporation of Winamac, Indiana** (the manufacturer) certifies that the documentation submitted in response to **State of HI** (the recipient) rolling stock procurement solicitation meets the required Bid Specification Compliance with the Purchaser's Solicitation Specifications.

The manufacturer certifies that the rolling stock vehicles to be manufactured for the recipient are the same product described in the recipient's solicitation specification and the manufacturer is a responsible manufacturer with the capability to produce a rolling stock vehicle that meets the recipient's specifications set forth in the recipient's solicitation.

Date: 01/23/2023

Signature: *Andy Conner*

Print Name: Andy Conner

Title: Commercial Vehicle Manager

Sunset Vans Inc.
 8851 Lakewood Blvd.
 Downey, CA 90240
 (888) 280- VANS (8267)



Tel: (562) 862-2177 x304
 Fax: (562) 862-4482
 Email: Derek@sunsetvans.com
 Website: sunsetvans.com

Sunset Vans BUY AMERICA BREAKDOWN

COMPONENT	MANUFACTURER	ORIGIN	% OF TOTAL COST
2021 Ford Transit 148wb HR DRW	Ford Motor Company USA	USA	36.02%
Sunset ADA Conversion	Sunset Vans	USA	51.32%
Freight	Sunset Vans	USA	0.76%

TOTAL LISTED % BUY AMERICA 88.10%

Sunset Vans Inc Certifies that the Ford Transit 2021 Transit body code with Sunset Vans ADA Conversion meets Buy America requirements for FTA funding meeting Title 49 of the CFR, Part 663 Subpart C

Starcraft Bus

Pre-Award BUY AMERICA CERTIFICATION

This certifies compliance with FTA Buy America Regulations set forth in 49 C.F.R. § 661.11 for each component that more than 70% of the subcomponents, by cost, are of U.S. origin/manufacture and is manufactured in the U.S. Manufacturer attests that the U.S. content of subcomponents, by cost is as indicated below.

COMPONENT NAME	MANUFACTURER NAME		% U.S. CONTENT	%FOREIGN CONTENT
ALLSTAR 22' 158"WB ON FORD E450	Starcraft Bus		71.54%	28.46%
SUBCOMPONENT NAME	MANUFACTURER NAME	MFG LOCATION	% OF TOTAL	
Chassis	Ford Motor Co.	U.S.	46.99%	
Exterior Mirrors	ROSCO	U.S.	0.48%	
Rear Suspension	MorRyde	U.S.	0.83%	
A/C System	Trans Air	U.S.	5.21%	
Wheelchair/Rear Door(s)	Challenger Door	U.S.	1.15%	
Wheelchair Lift	Braun	U.S.	4.96%	
Wheelchair Restraints	Q'Straint	U.S.	1.91%	
Seating	Freedman	U.S.	10.03%	

MAJOR ACTIVITIES UNDERTAKEN AT THE FINAL ASSEMBLY LOCATION

All purchasing of raw and assembled materials including the chassis, fabrication and welding of the frame, prime paint, installation of all wood, fabric, FRP, aluminum and/or other body panel and/or trim materials, installation of doors and windows, HVAC components and systems, electrical systems, installation of any required options such as wheel chair lifts, tie down kits, seats, radios and optional electronic items, if any, complete undercoat, exterior paint and/or graphics if ordered, full road test, rain booth test and all other final quality functions as needed to ensure compliance with the contract.

FINAL ASSEMBLY LOCATION: 2367 CENTURY DRIVE, GOSHEN, IN 46528

BODY V.I.N. OF UNITS DELIVERED UNDER POST DELIVERY BUY AMERICA:

TBD

FINAL ASSEMBLY % OF TOTAL COST NOT INCLUDED IN THE MATERIAL COSTS ABOVE: 3.77%
FINAL ASSEMBLY \$\$ NOT INCLUDED IN THE COSTS ABOVE \$3,097.57


 AUTHORIZED SIGNATURE

Government Bids
 TITLE

1/23/2023
 DATE

Scott Defrees
 PRINT NAME

PRE-AWARD FMVSS COMPLIANCE CERTIFICATION


As required by 49 CFR part 663 - Subpart D, State of HI (the recipient) certifies that it received, at the pre-award stage, a copy of The Braun Corporation's (the manufacturer) self-certification information stating that the vehicles, ADA Lowered-Floor Minivan Side-Entry Fold-Out Ramp, will comply with the relevant Federal Motor Vehicle Safety Standard issued by the National Highway Traffic Safety Administration in 49 CFR part 571.

Date: 01/23/2023

Signature: *Andy Conner*

Print Name: Andy Conner

Title: Commercial Vehicle Manager

 TIRE AND LOADING INFORMATION			
SEATING CAPACITY	TOTAL	FRONT	REAR
The combined weight of occupants and cargo should never exceed _____ Kg or _____ Lbs.			
TIRE	SIZE	COLD TIRE PRESSURE	SEE OWNER'S MANUAL FOR ADDITIONAL INFORMATION <small>FD-327</small>
FRONT			
REAR			
SPARE			

THE BRAUN CORPORATION	
631 w. 11th Street, Winamac, Indiana 46996	
This Vehicle was altered by THE BRAUN CORPORATION in / and as altered it conforms to all applicable Federal Motor Vehicle Safety Bumper and Theft Prevention Standards affected by the alteration and in effect in _____ /	
Vehicle Type: MVP	
Vin #: _____	
Available Payload Capacity: _____	LBS(Without Passengers & Wheelchairs)

MANUFACTURED BY THE BRAUN CORPORATION ENTERVAN.COM®	
DATE OF MANUFACTURE _____	M.O. _____ YR. _____
INCOMPLETE VEHICLE MANUFACTURED BY: CHRYSLER CORPORATION	
DATE INC. VEH. MFD. _____	MO. _____ YR. _____
GVWR(_____ KG) _____ LBS.	
GAWR FRONT(_____ KG) _____ LBS.	
WITH _____ TIRES	
_____ RIMS @ _____ PSI COLD (_____ kPa cold)	
GAWR REAR(_____ KG) _____ LBS.	
WITH _____ TIRES	
_____ RIMS @ _____ PSI COLD (_____ kPa cold)	
"THIS VEHICLE HAS BEEN COMPLETED IN ACCORDANCE WITH THE PRIOR MANUFACTURERS' IVD, WHERE APPLICABLE. THIS VEHICLE CONFORMS TO ALL APPLICABLE FEDERAL MOTOR VEHICLE SAFETY STANDARDS, [AND BUMPER AND THEFT PREVENTION STANDARDS, IF APPLICABLE] IN EFFECT IN (_____ / _____)" (MONTH / YEAR)	
VEHICLE IDENTIFICATION NO _____	
VEHICLE TYPE: MPV	

Sunset Vans Inc.
8851 Lakewood Blvd.
Downey, CA 90240
888-280-VANS (8267)



Tel: (562) 862-2177
Fax: (562) 862-4482
Email: Derek@Sunsetvans.com
Website: Sunsetvans.com

8/1/21

Subject: FMVSS Compliance, Wheelchair Accessible Vehicle Conversion, Ford Transit, MY 2015 - 2021

To Whom it May Concern:

Sunset Vans Inc. has been established since 1975. Our company is a leading manufacturer of wheelchair accessible and shuttle vehicles.

Sunset Vans Inc certifies that vehicles of the subject type meet or exceed all applicable Federal Motor Vehicle Safety Standards in effect at the time of this writing when converted with the Sunset Vans Wheelchair Accessible Conversion. Each vehicle has a FMVSS sticker added to the door jamb certifying full compliance at time of manufacture.

If you have any questions, please email or call the above information.

Sincerely,

A handwritten signature in black ink, appearing to read "Derek Murray", written over a horizontal line.

Derek Murray
President



Sunset FMVSS

Ford Transit

Date: 22 Feb 2021

Rev: 5

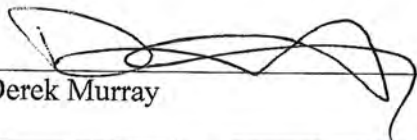
By: Derek Murray

F/CMVSS Number	Title	Level of compliance Discussion of results of review	Required documentation Method of demonstrating compliance
101	Location and Identification of Controls and Displays	The vehicle meets FMVSS 101 requirements.	No alterations are made to the OEM controls and displays as provided by the vehicle manufacturer. OEM pass through.
102	Transmission Control Functions	The vehicle meets FMVSS 102 requirements.	No alterations are made to the OEM transmission control system as provided by the vehicle manufacturer. OEM pass through.
103	Windshield Defrosting and Defogging	The vehicle meets FMVSS 103 requirements.	No alterations are made to the OEM defrosting and defogging system as provided by the vehicle manufacturer. OEM pass through.
104	Windshield Wiping and Washing System	The vehicle meets FMVSS 104 requirements.	No alterations are made to the OEM windshield wiping and washing system as provided by the vehicle manufacturer. OEM pass through.
105	Hydraulic and Electric Brake Systems	The vehicle meets FMVSS 105 requirements	No alterations are made to the OEM brake systems. The conversion has been weighted and CG checked to ensure weights are within Fords recommendations. OEM pass through.
106	Brake Hoses	The vehicle meets FMVSS 106 requirements.	No alterations are made to the OEM brake hoses as provided by the vehicle manufacturer. OEM pass through.
108	Lighting Systems and Retroreflective Devices	The vehicle meets FMVSS 108 requirements.	No alterations are made to the OEM required exterior lighting equipment as provided by the vehicle manufacturer. OEM pass through.
110	Tire Selection and Rims for Vehicles Under 4536 Kilograms GVWR	The vehicle meets FMVSS 110 requirements.	No changes are made to OEM wheels or tires. OEM pass through. Tire placard updated with seating and payload after upfit on door jamb.
111	Mirrors/Field of View Camera	The vehicle meets FMVSS 111 requirements.	No alterations are made to the OEM rear view mirrors/or camera as provided by the vehicle manufacturer. OEM pass through.

F/CMVSS Number	Title	Level of compliance Discussion of results of review	Required documentation Method of demonstrating compliance
113	Hood Latch System	The vehicle meets FMVSS 113 requirements.	No alterations are made to the OEM hood latch system as provided by the vehicle manufacturer. OEM pass through.
114	Theft Protection	The vehicle meets FMVSS 114 requirements.	No alterations are made to the OEM theft protection system as provided by the vehicle manufacturer. OEM pass through.
115	Vehicle Identification Number	The vehicle meets FMVSS 115 requirements.	The Vehicle Identification Number (VIN) provided by the OEM is not removed or altered in any way.
116	Motor Vehicle Brake Fluids	The vehicle meets FMVSS 116 requirements.	No alterations are made to the OEM brake fluid. OEM Pass through
118	Power Operated Window, Partition and Roof Panel Systems	The vehicle meets FMVSS 118 requirements.	No alterations are made to the OEM power operated window, partition, or roof panel systems as provided by the OEM manufacturer. OEM pass through.
124	Accelerator control systems	The vehicle meets FMVSS 124 requirements.	No alterations are made to the OEM accelerator control system as provided by the vehicle manufacturer. OEM pass through.
126	Electronic Stability Control	The Vehicle meets FMVSS 126 requirements	No alterations are made to the electronic stability control system as provided by the vehicle manufacturer. Calculations validate added seating and lift weight is under the CG recommended limits, OEM pass through.
138	Tire Pressure Monitoring System	The Vehicle meets FMVSS 138 requirements	No alterations are made to the OEM system. Weight calculations are within limits.
201	Occupant Protection	The vehicle meets FMVSS 201 requirements.	No alterations are made to the OEM occupant protection system as provided by the vehicle manufacturer in the target area. OEM pass through.
202	Head Restraints	The vehicle meets FMVSS 202 requirements.	No alterations are made to the OEM Head restraint system as provided by the vehicle manufacturer. OEM pass through.
203	Driver Impact Protection	The vehicle meets FMVSS 203 requirements.	No alterations are made to the OEM driver impact protection system as provided by the vehicle manufacturer. OEM pass through.
204	Steering Control Rearward Displacement	The vehicle meets FMVSS 204 requirements.	No alterations are made to the OEM Steering control rearward Displacement. OEM pass through.
205	Glazing Materials	The vehicle meets FMVSS 205 requirements.	No alterations are made to the OEM glazing as provided by the vehicle manufacturer. OEM pass through.

F/CMVSS Number	Title	Level of compliance Discussion of results of review	Required documentation Method of demonstrating compliance
206	Door locks and door retention Components	The vehicle meets FMVSS 206 requirements.	No alterations are made to the OEM door locks or door retention components supplied by the vehicle manufacturer. OEM pass through.
207	Seating Systems	The vehicle meets FMVSS 207 requirements.	No alterations are made to the OEM front seats. Rear seats installed in fixed and fold positions by Sunset. Tests conducted have demonstrated successful completion of Standard 207.
208	Occupant Restraint Systems in Frontal Impact	The vehicle meets FMVSS 208 requirements.	No alterations are made to the OEM seat belt systems as provided by the vehicle manufacturer in front seats. OEM pass through.
209	Seat Belt Assemblies	The vehicle meets FMVSS 209 requirements.	No alterations are made to the OEM seat belts as supplied by the vehicle manufacturer. OEM pass through. Seat belt assemblies installed in conversion meet Standard 209.
210	Seat Belt Anchorages	The vehicle meets FMVSS 210 requirements.	Front seats are re-mounted to their original OEM positions, as supplied by OEM. Rear modified seats installed by Sunset, tests conducted have demonstrated successful completion of Standard 210.
212	Windshield Mounting	The vehicle meets FMVSS 212 requirements	No alterations were made to the OEM windshield mounting system provided by the manufacturer. OEM pass through.
213	Built-In Child Restraint System and Built-In Booster Cushions	The vehicle meets FMVSS (213) 213.4 requirements	No alterations to front OEM seats. OEM Pass through.
214	Side Impact Protection	The vehicle meets FMVSS 214 requirements	No alterations to front OEM seats. OEM Pass through.
216	Roof Crush Resistance	The vehicle meets FMVSS 216 requirements	No alterations are made to the OEM roof or vehicle side as provided by the vehicle manufacturer. OEM pass through.
219	Windshield Zone Intrusion	The vehicle meets FMVSS 219 requirements	No alterations to the OEM roof or vehicle windshield zone. OEM pass through.
222	Wheelchair Securement	The vehicle meets FMVSS 222.c requirements	Wheelchair securements meet standard 222. Tests completed demonstrated successful completion.
225	Child Restraint Systems, Anchorage Systems	The vehicle meets FMVSS 225 requirements	Freedman seats added to conversion have been tested and meet standard 225.

F/CMVSS Number	Title	Level of compliance Discussion of results of review	Required documentation Method of demonstrating compliance
226	Ejection Mitigation	The vehicle meets FMVSS 226 requirements	Alterations are made to OEM glass from C pillar back. Window treatment is completed to meet 226. Successful tests completed and 3 rd party validation are complete.
301	Fuel System Integrity	The vehicle meets FMVSS 301 requirements	No alterations were made to the OEM Fuel System. OEM pass through.
302	Flammability of Interior Materials.	The vehicle meets FMVSS 302 requirements.	No alterations are made to the OEM interior materials as provided by the vehicle manufacturer. OEM pass through front. Rear Interior walls, flooring, belts, and seating documentation on added materials have demonstrated successful completion of Standard 302.
403 404	Lift Systems	The vehicle meets FMVSS 403/403 Requirements	Lifts installed are compliant with this regulation and Sunset completes the appropriate documentation of the install for 403/404 Standard
Owner manual		The vehicle is delivered with the original OEM owner's manual, and a supplement manual.	Supplemental owner's manual includes; name, contact numbers, warranty and a description of alterations performed on the vehicle.



 Derek Murray

Feb 22, 2021

 Date

STARCRAFT BUS

a division of Forest River, Inc.

FMVSS/CMVSS Compliance Summary 2021

Commercial Only

This vehicle conforms to all applicable U.S. Federal Motor Vehicle Safety Standards and Canadian Motor Vehicle Safety Standards in effect on the date of manufacture		
C/FMVSS No.	Standard Description	Compliance Action
101	Control Location, Identification and Illumination	Starcraft does not alter the OEM controls or displays. Any aftermarket seats and/or controls or displays subject to the standard meet this standard. Test data on file.
102	Transmission Shift Lever Sequence, Starter Interlock & Transmission Braking Effect	Compliance is deferred to the chassis manufacturer.
103	Windshield Defrosting & Defogging Systems	Compliance is deferred to the chassis manufacturer.
104	Windshield Wiping & Washing Systems	Compliance is deferred to the chassis manufacturer.
105	Hydraulic Brake Systems	Test data kept on file for vehicles that have had the frame stretched, or have had other system modifications. For Non-stretched vehicles compliance is deferred to the chassis manufacturer.
106	Brake Hoses	Vehicles with stretched frames have additional lines installed by chassis modifiers using OEM components. Other vehicles that have had system modifications use OEM or OEM-approved components and are tested for compliance. For Non-stretched vehicles compliance is deferred to the chassis manufacturer.
108	Lamps, Reflective Devices & Associated Equipment	Starcraft does not alter OEM lighting. Additional lighting to include brake, turn, clearance and reverse lamps meet standard. Data on file.
108.1	Alternative Requirements for Headlamps	Starcraft does not alter OEM lighting. Compliance is deferred to the chassis manufacturer.
110	Tire Selection and Rim for Motor Vehicles with a GVWR of 4,536kg (10,000 lbs.) or Less	Starcraft does not manufacture vehicles with a GVWR of 4,536kg (10,000 lbs.) or Less.
111	Rear View Mirrors	All aftermarket mirrors installed by Starcraft meet this standard and DOT regulations. Data on file.
112	Headlamp Concealment Devices	Starcraft does not manufacture vehicles with headlamp concealment devices.
113	Hood Latch Systems	Compliance is deferred to the chassis manufacturer.
114	Theft Protection	Compliance is deferred to the chassis manufacturer.
115	Vehicle Identification Number	Compliance is deferred to the chassis manufacturer.
116	Hydraulic Brake Fluids	Starcraft does not alter brake systems. Vehicles with stretched frames have additional fluid added by chassis modifiers using OEM instruction and materials. All other system modifications utilize only OEM-approved fluid. For Non-stretched vehicles compliance is deferred to the chassis manufacturer.
118	Power Operated Window, Partition, and Roof Panel Systems	Compliance is deferred to the chassis manufacturer.
120	Tire Selection and Rim for Motor Vehicles with a GVWR of 4,536kg (10,000 lbs.) or More	Compliance is deferred to the chassis manufacturer.
121	Air Brake Systems	Vehicles with stretched frames have additional lines installed by chassis modifiers using OEM components. Other vehicles that have had system modifications use OEM or OEM-approved components and are tested for compliance. For Non-stretched vehicles compliance is deferred to the chassis manufacturer.
124	Accelerator Control Systems	Starcraft does not alter the OEM accelerator system, with the exception of the addition of aftermarket fast idle systems on some vehicles. These systems meet this standard when installed in accordance with instructions.
125	Warning Devices	All vehicles manufactured by Starcraft that are equipped with aftermarket (3) triangle kit meet this standard.
131	School Bus Pedestrian Safety Devices	All vehicles manufactured by Starcraft are not completed to be used as school buses.
135	Light Vehicle Brake System with a GVWR of 3,500kg (7,716 lbs.) or Less	Starcraft does not manufacture vehicles with a GVWR of 3,500kg (7,716 lbs.) or Less.
201	Occupant Protection in Interior Impact	All vehicles applicable to the standard (under 10,000 lbs.) do not have alterations made that affect the compliance to this standard. Compliance is deferred to the chassis manufacturer.
202	Head Restraints	All vehicles applicable to the standard (under 10,000 lbs.) have seating installed that meets this standard. Compliance is deferred to the chassis manufacturer.

STARCRAFT BUS

a division of Forest River, Inc.

FMVSS/CMVSS Compliance Summary 2021

Commercial Only

This vehicle conforms to all applicable U.S. Federal Motor Vehicle Safety Standards and Canadian Motor Vehicle Safety Standards in effect on the date of manufacture		
203	Impact Protection for the Driver from the Steering Control System	Compliance is deferred to the chassis manufacturer.
204	Steering Control Rearward Displacement	Compliance is deferred to the chassis manufacturer.
205	Glazing Materials	No modifications are made to the OEM Glazing materials. Additional glazing materials meet the standard. Data on file.
206	Door Locks and Door Retention Devices	All vehicles manufactured by Starcraft (non-buses) that are subject to this standard have no modifications made which affect compliance to the standard. Compliance is deferred to the chassis manufacturer.
207	Seating System	All seating installed by Starcraft meets this standard. Test data on file.
208	Occupant Crash Protection	No alterations are made to the OEM seat belts, air bag systems or associated hardware. Any seat belt systems added meet the standard. Test data on file.
209	Seat Belt Assemblies	No alterations are made to the OEM seat belts or associated hardware. Any seat belt systems added meet the standard. Test data on file.
210	Seat Belt Assembly Anchorage	No alterations are made to the OEM seat belts or associated hardware. Seat belt systems and their installation meet the standard. Test data on file.
210.1	User-ready Tether Anchorages for Restraint System	No alterations are made to the OEM seat belts or associated hardware. Seat belt systems and their installation meet the standard. Data on file.
210.2	Lower Universal Anchorage Systems for Restraint Systems and Booster Cushions	No alterations are made to the OEM seat belts or associated hardware. Seat belt systems and their installation meet the standard. Data on file.
212	Windshield Mounting	Compliance is deferred to the chassis manufacturer.
213	Child Restraint Systems	Vehicles manufactured by Starcraft that are subject to this standard (under 10,000 lbs.) have seating installed that meets this standard. Test data on file.
213.4	Built-in Child Restraint Systems and Built-in Booster Cushions	Vehicles manufactured by Starcraft that are subject to this standard (under 10,000 lbs.) have seating installed that meets this standard. Test data on file.
214	Side Impact Protection with a GVWR of 4,536kg (10,000 lbs.) or Less	Starcraft does not manufacture vehicles with a GVWR of 4,536kg (10,000 lbs.) or Less
216	Roof Crush Resistance	Starcraft does not manufacture vehicles that are subject to this standard.
217	Bus Window Retention and Release	No modifications are made to the OEM windows. Additional windows meet the standard. Test data on file.
219	Windshield Zone Intrusion	Compliance is deferred to the chassis manufacturer.
220	School Bus Rollover Testing	All vehicles manufactured by Starcraft are not completed to be used as school buses, however, Starcraft does test vehicles to meet standard.
221	School Bus Body Joint Strength	All vehicles manufactured by Starcraft are not completed to be used as school buses, however, Starcraft does test vehicles to meet standard.
222	School Bus Passenger Seating and Crash Protection	All vehicles manufactured by Starcraft are not completed to be used as school buses.
225	Child Restraint Anchorage Systems	Vehicles manufactured by Starcraft that are subject to this standard (under 10,000 lbs.) have seating installed that meets this standard.
301	Fuel System Integrity	Compliance is deferred to the chassis manufacturer.
301.1	LPG Fuel System Integrity	Compliance is deferred to the chassis manufacturer.
301.2	CNG Fuel System Integrity	Compliance is deferred to the chassis manufacturer.

STARCRAFT BUS

a division of Forest River, Inc.

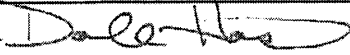
FMVSS/CMVSS Compliance Summary 2021

Commercial Only

This vehicle conforms to all applicable U.S Federal Motor Vehicle Safety Standards and Canadian Motor Vehicle Safety Standards in effect on the date of manufacture

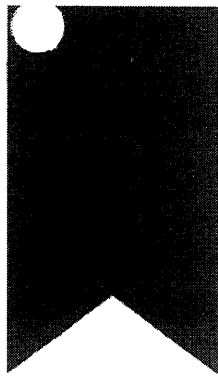
302	Flammability of Interior Materials	Materials installed in the interior of Starcraft products meet the standard. Test data on file.
303	Fuel System Integrity of Compressed Natural Gas Systems	Starcraft does not typically produce vehicles with CNG systems. All vehicles equipped with CNG systems exceed the applicability (10,000 lbs. or less) of this standard.
304	Compressed Natural Gas Fuel Container Integrity	Starcraft does not typically produce vehicles with CNG systems. All vehicles equipped with CNG systems exceed the applicability (10,000 lbs. or less) of this standard.
305	Electrolyte Spillage and Electrical Shock Protection	Starcraft does not produce vehicles that use electricity as propulsion power.
403	Platform Lift System for Motor Vehicles	Starcraft does not alter the platform lift system. Starcraft install lift system in strict compliance with the manufacturers installation instructions. Starcraft meets strength requirements. Test data on file.
404	Platform Lift Installation on Motor Vehicles	Compliance is deferred to the lift manufacturer.
1106	Noise Emissions	Starcraft does not alter the OEM Chassis in the area which is stated in the incomplete vehicle documents. Data on file.

Signed:



Date: 1/04/2021

Title: Compliance and Customer Service Manager



is proud to recognize

BraunAbility — WINAMAC

QUALIFIED SINCE
2018

Mark Patel
Q-Pro Program Manager

Brock Wienczewski
FCA Commercial Team Manager

Joseph Crowley
Head of Commercial Vehicles



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Ford Motor Company

Is proud to recognize

Sunset Vans

as a participant in the

Mobility

Qualified Vehicle Modifier Program



A handwritten signature in blue ink, appearing to read "Ryan A. Delaney".

Ryan A. Delaney / SVE Quality Programs Mgr.

June 2021

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
STATEWIDE TRANSPORTATION PLANNING OFFICE

DBE COMPLIANCE

DISADVANTAGED BUSINESS ENTERPRISE REQUIREMENTS

I. GENERAL

This project is subject to Title 49, Code of Federal Regulations, Part 26, entitled "Participation by Disadvantaged Business Enterprise in Department of Transportation Financial Assistance Programs," hereinafter referred to as the ("DBE Regulations") and is incorporated and made a part of this contract herein by this reference. The following shall be incorporated as part of the contract documents for compliance. If any requirements herein are in conflict with the general provisions or special provisions applicable to this project, the requirements herein shall prevail unless specifically superseded or amended in the special provisions or by addendum.

II. POLICY

It is the policy of the U.S. Department of Transportation ("USDOT") and the State of Hawaii, Department of Transportation and its political subdivisions ("Department") that Disadvantaged Business Enterprises ("DBE"), as defined in the DBE Regulations, have an equal opportunity to receive and participate in federally assisted contracts.

III. DBE ASSURANCES

Each contract signed with a prime contractor (and each subcontract the prime contractor signs with a subcontractor) shall include the following assurance:

"The contractor, sub-recipient, or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of USDOT assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate which may include, but is not limited to; 1) withholding monthly progress payments; 2) assessing sanctions; 3) liquidated damages; and/or 4) disqualifying the contractor from future bidding as non-responsible."

The prime contractor agrees to include the above statements in any subsequent contracts that it enters into with other contractors and shall require those contractors to include similar statements in further agreements.

IV. BIDDER/OFFEROR RESPONSIBILITIES

All bidders/offerors are required to register with the Department's OCR, DBE Section, using the Bidder Registration Form, which can be downloaded from the Department's website at <http://hidot.hawaii.gov/administration/ocr/dbe/dbe-program-forms/>. Certified DBEs are considered registered with the Department and are not required to submit a

Bidder Registration Form. All other bidders/offerors are required to complete this form which may be faxed to (808) 831-7944, e-mailed to HDOT-DBE@hawaii.gov, or mailed to the HDOT DBE Section at 200 Rodgers Boulevard, Honolulu, Hawaii, 96819. Registered bidders/offerors are posted on the website listed above.

Bidders/offerors, subcontractors, manufacturers, vendors or suppliers, and trucking companies shall fully inform themselves with respect to the requirements of the DBE Regulations. Particular attention is directed to the following matters:

- A. Bidders/offerors shall take all necessary steps to ensure that DBEs have an opportunity to participate in this contract.
- B. DBEs may participate as a consultant, prime contractor, subcontractor, trucking company, or vendor of materials or supplies. DBEs may also team with other DBEs or non-DBE firms as part of a joint venture or partnership.
- C. Agreements between a bidder/offeror and a DBE in which an DBE promises not to provide subcontracting quotations to other bidders/offerors are strictly prohibited.
- D. A DBE shall be certified by the Department under the appropriate North American Industry Classification System (NAICS) code and work in their registered field of work in order for credit to be allowed.
- E. Information regarding the current certification status of DBEs is available on the internet at <https://hdot.dbesystem.com/>.
- F. Commercially Useful Function (“CUF”). An DBE must perform a CUF. This means that an DBE must be responsible for the execution of a distinct element of the work, must carry out its responsibility by actually performing, managing, and supervising at least 30% of the work involved by using its own employees and equipment, must negotiate price, determine quality and quantity, order and install material (when applicable), and must pay for the material itself.¹

To determine whether an DBE is performing a CUF, the Department must evaluate the amount of work subcontracted, industry practices, whether the amount the firm is to be paid under the contract is commensurate with the work it is actually performing, the DBE credit claimed for performance of the work, and other relevant factors. The prime contractor is responsible to ensure that the DBE performs a CUF.

V. PROPOSAL REQUIREMENTS

- A. DBEs must be certified by the bid opening date.

¹ The use of joint checks payable to an DBE subcontractor and supplier may be allowed to purchase materials and supplies under limited circumstances. See VII USE OF JOINT CHECKS UNDER THE DBE PROGRAM

- B. DBE subcontractors, manufacturers, suppliers, trucking companies, and any second tier subcontractors shall be listed on the respective DBE forms as specified below in order to receive credit.
- C. The following forms are due to the Department's Project Manager or designee **by the close of business, 4:30 P.M. Hawaii Standard Time (HST), five (5) days after bid opening:**²
1. DBE Confirmation and Commitment Agreement. This form must be signed by the bidder/offeror and each DBE subcontractor, manufacturer, supplier, or trucking company. Information to be provided on the form shall include, among other things, the project number, the DBE's NAICS codes, description of work, bid items with corresponding price information, prime contractor name and contact information DBE name and contact information and subcontractor name and contact information if the DBE is a second tier subcontractor.
 2. DBE Contract Goal Verification and Good Faith Efforts (GFE) Documentation for Construction. List the dollar amount of all subcontractors, manufacturers, suppliers, and trucking companies (both DBE and non-DBE firms). Bidder/offeror must also list the DBE project goal on this form (See paragraph D below regarding goal calculation). The bidder/offeror must submit documentation demonstrating how the DBE goal was met or how the bidder/offeror attempted to meet the goal if the goal was not met. This documentation shall include quotations for both DBE and non-DBE subcontractors when a non-DBE is selected over a DBE for the project. **Documentation of good faith efforts is required irrespective of whether the bidder/offeror met the DBE project goal.**
- The above forms must be complete and provide the necessary information to properly evaluate bids/proposals. Failure to provide any of the above shall be cause for bid/proposal rejection.**
- D. Calculation of the DBE contract goal for this project is the proportionate contract dollar value of work performed, materials, and goods to be supplied by DBEs. DBE credit shall not be given for mobilization, force account items and allowance items. This DBE contract goal is applicable to all the contract work performed for this project and is calculated as follows:
1. DBE contract goal percentage = Contract Dollar Value of the work to be performed by DBE subcontractors and manufacturers, plus 60% of the contract dollar value of DBE suppliers, divided by the sum of all contract items (sum of all contract items is the total amount for comparison of bids less mobilization, force account items, and allowance items).

² In computing calendar days, the day from which the period begins to run is not counted, and when the last day of the period is a Saturday, Sunday, or Federal or State holiday, the period extends to the next day that is not a Saturday, Sunday, or holiday.

2. The Department shall adjust the bidder's/offeror's DBE contract goal to the amount of the project goal if it finds that the bidder/offeror met the goal but erroneously calculated a lower percentage. If the amount the bidder/offeror submits as its contract goal exceeds the project goal, the bidder/offeror shall be held to the higher goal.

VI. COUNTING DBE PARTICIPATION TOWARDS CONTRACT GOAL

- A. Count the entire amount of the portion of a contract (or other contract not covered by paragraph B below) that is performed by the DBE's own forces. Include the cost of supplies and materials obtained by the DBE for the work on the contract, including supplies purchased or equipment leased by the DBE (except supplies and equipment the DBE subcontractor purchases or leases from the prime contractor or its affiliate).
- B. Count the entire amount of fees or commissions charged by an DBE firm for providing a bona fide service, such as professional, technical, consultant, or managerial services, or for providing bonds or insurance specifically required for the performance of a USDOT-assisted contract, toward DBE goals, provided the Department determines the fee to be reasonable and not excessive as compared with fees customarily allowed for similar services.
- C. When an DBE subcontracts part of the work of its contract to another firm, the value of the subcontracted work may be counted toward DBE goals only if the DBE's subcontractor is itself an DBE. Work that an DBE subcontracts to a non-DBE firm does not count toward DBE goals.
- D. When an DBE performs as a participant in a joint venture, count a portion of the total dollar value of the contract equal to the distinct, clearly defined portion of the work of the contract that the DBE performs with its own forces toward DBE goals.
- E. Count expenditures to an DBE contractor toward DBE goals only if the DBE is performing a CUF on that contract.
- F. The following is a list of appropriate DBE credit to be allowed for work to be performed by an DBE subcontractor. Count expenditures with DBEs for materials or supplies toward DBE goals as provided in the following:
 1. If the materials or supplies are obtained from an DBE manufacturer, count 100 percent of the cost of the materials or supplies toward DBE goals;
 2. For purposes of determining DBE goal credit, a manufacturer is a firm that operates or maintains a factory or establishment that produces (on the premises) the materials, supplies, articles, or equipment required under the contract and of the general character described by the specifications;

3. If the materials or supplies are purchased from an DBE regular dealer, count 60 percent of the cost of the materials or supplies toward DBE goals;
4. For purposes of determining DBE goal credit, a regular dealer is a firm that owns, operates, or maintains a store, warehouse, or other establishment in which the materials, supplies, articles or equipment of the general character described by the specifications and required under the contract are bought, kept in stock, and regularly sold or leased to the public in the usual course of business;
5. To be a regular dealer, the firm must be an established, regular business that engages, as its principal business and under its own name, in the purchase and sale or lease of the products in question;
6. A person may be a regular dealer in such bulk items as petroleum products, steel, cement, gravel, stone, or asphalt without owning, operating, or maintaining a place of business as provided in the DBE Regulations, if the person both owns and operates distribution equipment for the products. Any supplementing of a regular dealers' own distribution equipment shall be by a long-term lease agreement and not on an ad hoc or contract-by-contract basis;
7. Packers, brokers, manufacturers' representatives, or other persons who arrange or expedite transactions are not regular dealers;
8. With respect to materials or supplies purchased from an DBE, which is neither a manufacturer nor a regular dealer, count the entire amount of fees or commissions charged for assistance in the procurement of the materials and supplies, or fees or transportation charges for the delivery of materials or supplies required on a job site, toward DBE goals, provided that the Department determines the fees to be reasonable and not excessive as compared with fees customarily allowed for similar services. Do not count any portion of the cost of the materials and supplies themselves toward DBE goals; however,
9. If a firm is not currently certified as an DBE in accordance with standards of this part at the time of the execution of the contract, do not count the firm's participation toward any DBE goals, except as provided for in §26.87(i);
10. Do not count the dollar value of work performed under a contract with a firm after it has ceased to be certified toward the Department's overall goal; and
11. Do not count the participation of an DBE subcontractor toward a contractor's final compliance with its DBE obligations on a contract until the amount being counted has actually been paid to the DBE.

G. The following factors are used in counting DBE participation for trucking companies:

1. The DBE must be responsible for the management and supervision of the entire trucking operation for which it is responsible on a particular

- contract, and there cannot be a contrived arrangement for the purpose of meeting DBE goals;
2. The DBE must itself own and operate at least one (1) fully licensed, insured, and operational truck used on the contract;
 3. The DBE receives credit for the total value of the transportation services it provides on the contract using trucks it owns, insures, and operates using drivers it employs;
 4. The DBE may lease trucks from another DBE firm, including an owner-operator who is certified as an DBE. The DBE who leases trucks from another DBE receives credit for the total value of the transportation services the lessee DBE provides on the contract;
 5. The DBE may also lease trucks from a non-DBE firm, including from an owner-operator. The DBE that leases trucks equipped with drivers from a non-DBE is entitled to credit for the total value of transportation services provided by non-DBE leased trucks equipped with drivers not to exceed the value of transportation services on the contract provided by DBE-owned trucks or leased trucks with DBE employee drivers. Additional participation by non-DBE owned trucks equipped with drivers receives credit only for the fee or commission it receives as a result of the lease arrangement. If a recipient chooses this approach, it must obtain written consent from the appropriate Department operating administration.
EXAMPLE: DBE firm X uses two (2) of its own trucks on a contract, leases two (2) trucks from DBE Firm Y and six (6) trucks from non-DBE Firm Z. DBE credit would be awarded for the total value of transportation services provided by Firm X and Firm Y, and may also be awarded for the total value of transportation services provided by four (4) of the six (6) trucks provided by Firm Z. In all, full credit would be allowed for the participation of eight (8) trucks. With respect to the other two (2) trucks provided by Firm Z, DBE credit could be awarded only for the fees or commissions pertaining to those trucks Firm X receives as a result of the lease with Firm Z;
 6. The DBE may lease trucks without drivers from a non-DBE truck leasing company. If the DBE leases trucks from a non-DBE truck leasing company and uses its own employees as drivers, it is entitled to credit for the total value of these hauling services.
EXAMPLE: DBE Firm X uses two (2) of its own trucks on a contract. It leases two (2) additional trucks from non-DBE Firm Z. Firm X uses its own employees to drive the trucks leased from Firm Z. DBE credit would be awarded for the total value of the transportation services provided by all four (4) trucks; and
 7. For purposes of determining whether a trucking firm performs a CUF, a lease must indicate that the DBE has exclusive use of and control over the truck. This does not preclude the leased truck from working for others during the term of the lease with the consent of the DBE, so long as the lease gives the DBE absolute priority for use of the leased truck. Leased trucks must display the name and identification number of the DBE.

- H. The bidder/offeror may be a joint venture or partnership that has a certified DBE as a partner. A “Joint Venture” means an association between an DBE firm and one (1) or more other firms to carry out a single, for-profit, business enterprise for which the parties combine their property, capital, efforts, skills and knowledge, and in which the DBE is responsible for a distinct, clearly defined portion of the work of the contract, and whose share in the capital contribution, control, management, risks and profits are commensurate with its ownership interest.
- I. Effects of a Summary Suspension of an DBE. When an DBE’s certification is suspended, the DBE may not be considered to meet a contract goal on a new contract and any work it does on a contract received during the suspension shall not be counted towards the overall goal. The DBE may continue to perform work under an existing contract executed before the DBE received a Notice of Suspension and may be counted towards the contract goal during the period of suspension as long as the DBE is performing a CUF under the existing contract.
- J. Effects of Decertification of an DBE. Should an DBE become decertified during the term of the subcontract for reasons beyond the control of and with no fault or negligence on the part of the contractor, the work remaining under the subcontract may be credited towards the contract goal, but are not included in the overall accomplishments.

Should the DBE be decertified after contract award and before notice to proceed, the contractor must still meet the DBE goal by either: a) withdrawing the subcontract from the DBE and expending good faith efforts to replace it with an DBE that is currently certified for that same work; or b) continuing with the subcontract with the decertified firm and expending good faith efforts to find other work not already subcontracted out to DBEs in an amount to meet the DBE goal either by; 1) increasing the participation of other DBEs on the project; 2) documenting good faith efforts; or 3) by a combination of the above.

VII. USE OF JOINT CHECKS UNDER THE DBE PROGRAM

- A. The following guidelines apply to the use of joint checks:
 - 1. The second party (typically the prime contractor) acts solely as a guarantor;
 - 2. The DBE must release the check to the supplier;
 - 3. The use of joint checks is a commonly recognized business practice;
 - 4. The Department must approve the use of joint checks prior to use by contractors and/or DBEs. As part of this approval process the Department will analyze industry practice to confirm that the use of joint checks is commonly employed outside of the DBE program for non-DBE subcontractors on both federal and state funded contracts. Using joint checks shall not be approved if it conflicts with other aspects of the DBE Regulations regarding CUF; and
 - 5. The Department will monitor the use of joint checks closely to avoid abuse.

- B. Contractors and DBEs should review the following general guidelines when determining whether to use joint checks closely to avoid abuse:
1. That standard industry practice applies to all contractors (federal and state contracts);
 2. Use of joint checks must be available to all subcontractors;
 3. Material industry sets the standard industry practice, not prime contractors;
 4. Short term, not to exceed reasonable time (i.e., one (1) year, two (2) years) to establish/increase a credit line with the material supplier;
 5. No exclusive arrangement between one (1) prime and one (1) DBE in the use of joint checks that might bring the independence of the DBE into question;
 6. Non-proportionate ratio of DBE's normal capacity to size of contract and quantity of material to be provided under the contract;
 7. The DBE is normally responsible to install and furnish the work item; and
 8. The DBE must be more than an extra participant in releasing the check to the material supplier.
- C. The Department shall allow the use of joint checks if the following general conditions are met:
1. DBE submits request to the Department for action;
 2. There is a formalized agreement between all parties that specify the conditions under which the arrangement shall be permitted;
 3. There is a full and prompt disclosure of the expected use of joint checks;
 4. The Department will provide prior approval;
 5. DBE remains responsible for all other elements of 49 CFR 26.55(c)(1);
 6. The agreement states clearly and determines that independence is not threatened because the DBE retains final decision making responsibility;
 7. The Department will determine that the request is not an attempt to artificially inflate DBE participation;
 8. Standard industry practice is only one (1) factor;
 9. The Department will monitor and maintain oversight of the arrangement by reviewing cancelled checks and/or certification statement of payment; and
 10. The Department will verify there is no requirement by prime contractor that the DBE is to use a specific supplier nor the prime contractor's negotiated unit price.

VIII. DEMONSTRATION OF GOOD FAITH EFFORTS FOR CONTRACT AWARD

- A. When a project goal is not met, the Department shall conduct the initial review of GFE submitted by the bidder/offeror and shall determine whether the bidder/offeror has performed the quality, quantity, and intensity of efforts that demonstrate a reasonably active and aggressive attempt to meet the contract goal in accordance with 49 CFR Part 26, Appendix A.

- B. The bidder/offeror bears the responsibility of demonstrating that it met the contract goal, or if the contract goal was not met, by documenting the GFE it made in an attempt to meet the goal. It is the sole responsibility of the bidder/offeror to submit any and all documents, logs, correspondence, and any other records or information to the Department that will demonstrate that the bidder/offeror made good faith efforts to meet the DBE goal.
- C. In its good faith evaluation, the Department shall perform the following as part of its evaluation: a) compare the bidder's/offeror's bid against the bids/offers of other bidders/offerors, and compare the DBEs and DBE work areas utilized by the bidder/offeror with the DBEs listed in other bids/offers submitted for this contract (If other bidders obtained DBEs in a particular work area in which the low bidder did not, the Department shall take this into consideration in its evaluation); b) verify contacts by bidders/offerors with DBEs; and c) compare the DBE and the categories of DBE work targeted by the bidder/offeror for participation in the contract, with the total pool of available DBEs ready, willing and able to perform work on each particular subcontract targeted by the bidder/offeror.
- D. Actions on the part of the bidder/offeror that will be considered demonstrative of good faith efforts include, but are not limited to, the following:
1. Whether the bidder/offeror submitted the required information (i.e., DBE name, address, NAICS code, description of work, project name, and number), and dollar amounts for all subcontractors, within five (5) days of bid opening;
 2. Whether the bidder/offeror solicited through all reasonable and available means (e.g., attendance at pre-bid meetings, advertising and/or written notices) the interest of all certified DBEs who have the capability to perform part or all of the work to be included under the contract. The Department will also consider whether the bidder/offeror solicited the participation of potential DBEs as early in the procurement process as practicable, and allowed sufficient time for the DBEs to properly inquire about the project and respond to the solicitation. The Department will also review whether the bidder/offeror took appropriate steps to follow up with interested DBEs in a timely manner to facilitate participation by DBEs in this project;
 3. Whether the bidder/offeror identified and broke up portions of work that can be performed by DBEs in order to increase the likelihood that an DBE will be able to participate, and that the DBE goal could be achieved (e.g., breaking out contract items into economically feasible units to facilitate DBE participation even when the bidder/offeror might otherwise prefer to self-perform these work items with its own forces);
 4. Whether the bidder/offeror made available or provided interested DBEs with adequate information about the plans, specifications, and requirements of the project in a timely manner, and assisted them in responding to the bidder's/offeror's solicitation;

5. Whether the bidder/offeror negotiated in good faith with interested DBEs. Evidence of such negotiations includes documenting: a) the names, addresses and telephone numbers of DBEs that were contacted; b) a description of the information that was provided to DBEs regarding the plans and specifications; and c) detailed explanation for not utilizing individual DBEs on the project;
6. Whether the bidder/offeror solely relied on price in determining whether to use an DBE. The fact that there may be additional or higher costs associated with finding and utilizing DBEs are not, by itself, sufficient reasons for a bidder's/offeror's refusal to utilize an DBE, or the failure to meet the DBE goal, provided that such additional costs are not unreasonable. Also, the ability or desire of a bidder/offeror to perform a portion of the work with its own forces, that could have been undertaken by an available DBE, does not relieve the bidder/offeror of the responsibility to make good faith efforts to meet the DBE goal, and to make available and solicit DBE participation in other areas of the project to meet the DBE goal;
7. Whether the bidder/offeror rejected DBEs as being unqualified without sound reasons based on a thorough investigation of their capabilities. The DBEs standing within the industry, membership in specific groups, organizations or associations, and political or social affiliation are not legitimate basis for the rejection or non-solicitation of bids from particular DBEs;
8. Whether the bidder/offeror made efforts to assist interested DBEs in obtaining bonding, lines of credit, or insurance;
9. Whether the bidder/offeror made efforts to assist interested DBEs in obtaining necessary equipment, supplies, materials or related assistance or services;
10. Whether the bidder/offeror effectively used the services of available minority/women community organizations, minority/women business groups, contractors' groups, and local, state and federal minority/women business assistance offices or other organizations to provide assistance in recruitment and placement of DBEs;
11. Whether the bidder/offeror, who selects a non-DBE over an DBE subcontractor, has quotes of each DBE and non-DBE subcontractor submitted to the bidder for work on the contract; and for each DBE that was contacted but not utilized by the bidder/offeror for a contract, the bidder/offeror has a detailed written explanation for each DBE detailing the reasons for the bidder's/offeror's failure or inability to utilize, or to allow the DBE to participate in the contract; and
12. Whether other bidders/offerors met the goal and whether the apparent successful bidder/offeror could have met the goal with additional efforts. The Department may determine that an apparent successful bidder/offeror who fell short of meeting the goal, made good faith efforts when it met or exceeded the average DBE participation obtained by other bidders/offerors.

IX. ADMINISTRATIVE RECONSIDERATION.

If it is determined by the Department that the apparent successful bidder/offeror has failed to meet the provisions of 49 CFR Section 26.53(a), the bidder/offeror may submit a request for administrative reconsideration. If under the provisions of 49 CFR, Section 26.53(d), it is determined by the Department that the apparent successful bidder/offeror has failed to meet the provisions of this subsection, the bidder/offeror may submit a written request for administrative reconsideration.

- A. Within five (5) working days of being informed in writing by the Department that the bidder/offeror has not documented sufficient GFE, a bidder/offeror may request administrative reconsideration. Bidders/offerors should make this request in writing to the following official:

Director of Transportation
Hawaii Department of Transportation
869 Punchbowl Street, Room 509
Honolulu, Hawaii 96813

- B. The reconsideration official, or his or her designee (referred to as “reconsideration official”), shall not have played any role in the original determination that the bidder/offeror failed to meet the goal or make adequate good faith efforts to do so.
- C. As part of this reconsideration, the bidder/offeror will have the opportunity to provide written documentation or argument concerning the issue of whether it met the goal or made adequate GFE to do so. The bidder/offeror will have the opportunity to meet in person with the reconsideration official to discuss the issue of whether it met the goal or made adequate GFE to do so.
- D. In an administrative reconsideration, the reconsideration official will review all previously submitted documents, oral and written arguments, and other evidence presented in the reconsideration, in making the decision.
- E. The Department shall inform the bidder/offeror of the decision within thirty (30) days of the proceeding. The decision will state the Department’s findings, and explain the basis of those findings, with respect to whether or not the bidder/offeror met the contract goal, or whether or not the bidder/offeror made adequate GFE to achieve the contract goal.
- F. The reconsideration decision is not administratively appealable to USDOT but is appealable under HRS 103D-709.

X. AWARD OF CONTRACT

- A. In a sealed bid procurement, the Department reserves the right to reject any or all bids. The award of contract, if it is awarded, will be to the lowest responsive and responsible bidder who meets or exceeds the DBE project goal, or who makes

good faith efforts to meet or exceed the DBE project goal, as determined by the Department.

- B. If the lowest responsible bidder does not meet the DBE project goal and does not demonstrate to the satisfaction of the Department that it made good faith efforts to meet the DBE project goal, such bid shall be rejected as non-responsive. The Department will then consider the next lowest responsive and responsible bidder for award in accordance with paragraph A above.

XI. REPLACEMENT OF AN DBE ON A PROJECT WITH A CONTRACT GOAL

Under this contract, the prime contractor shall utilize the specific DBE listed to perform the work and supply the materials for which each is listed unless the contractor obtains written consent from the Department to replace an DBE. If the Department's consent is not provided, the contractor shall not be entitled to any payment for work or material unless it is performed or supplied by the listed DBE. The Department reserves the right to request copies of all DBE subcontracts.

The Department will require a contractor to make good faith efforts to replace an DBE that is terminated or has otherwise failed to complete its work on a contract with another certified DBE, to the extent needed to meet the contract goal. A prime contractor's inability to find a replacement DBE at the original price is not sufficient to demonstrate that good faith efforts have been made to replace the original DBE. The fact that the contractor has the ability and/or desire to perform the contract work with its own forces does not relieve the contractor of the obligation to make good faith efforts to find a replacement DBE, and it is not a sound basis for rejecting a prospective replacement DBE's reasonable quote.

The Department will require the prime contractor to promptly provide written notice to the project manager of the DBE's inability or unwillingness to perform and provide reasonable documentation.

The written notice by the contractor must include the following:

1. The date the contractor determined the certified DBE to be unwilling, unable or ineligible to perform work on the contract;
2. The projected date that the contractor shall require a substitution or replacement DBE to commence work if consent is granted by the Department;
3. Documentation of facts that describe and cite specific actions or inactions on the part of the affected DBE that led to the contractor's conclusion that the DBE is unwilling, unable, or ineligible to perform work on the contract;
4. A brief statement of the affected DBE's capacity and ability or inability to perform the work as determined by the contractor;
5. Documentation of contractor's good faith efforts to enable affected DBE to perform the work;
6. The current percentage of work completed on each bid item by the affected DBE;

7. The total dollar amount currently paid per bid item for work performed by the affected DBE;
8. The total dollar amount per bid item remaining to be paid to the DBE for work completed but for which the DBE has not received payment, and with which the contractor has no dispute; and
9. The total dollar amount per bid item remaining to be paid to the DBE for work completed, for which the DBE has not received payment, and with which the contractor and DBE have a dispute.

The prime contractor shall send a copy of the written notice to replace a certified DBE on a contract to the affected DBE. The affected DBE may submit a written response within five (5) calendar days to the Department to explain its position on its performance on the committed work. The Department shall consider both the prime contractor's request and DBE's stated position before approving the termination or substitution request, or determining if any action shall be taken against the contractor.

There shall be no substitution or termination of an DBE subcontractor at any time without the prior written consent of the Department. The Department will provide written consent only if the contractor has good cause, as determined by the Department, to terminate the DBE. Good cause may include, but is not limited to the following circumstances:

1. The DBE subcontractor fails or refuses to execute a written contract;
2. The listed DBE subcontractor fails or refuses to perform the work of its subcontract in a way consistent with normal industry standards;
3. The listed DBE subcontractor fails or refuses to meet the prime contractor's reasonable, nondiscriminatory bond requirements;
4. The listed DBE subcontractor becomes bankrupt, insolvent, or exhibits credit unworthiness;
5. The listed DBE subcontractor is ineligible to work on public works projects because of suspension and debarment proceedings pursuant to 2 CFR Parts 180, 215 and 1200 or applicable state law;
6. The Department has determined that the listed DBE subcontractor is not a responsible contractor;
7. The listed DBE subcontractor voluntarily withdraws from the project and provides to the Department written notice of its withdrawal;
8. The listed DBE is ineligible to receive DBE credit for the type of work required; and
9. An DBE owner dies or becomes disabled with the result that the listed DBE contractor is unable to complete its work on the contract.

Upon approval from the Department to replace an DBE, the contractor's good faith efforts shall be documented and submitted to the Department within seven (7) calendar days. This time period may be extended for another seven (7) calendar days upon request by the prime contractor.

If an DBE subcontractor is unable to perform work under the contract, and is to be

replaced, the contractor's failure to obtain a substitute certified DBE or to make good faith efforts to obtain such a substitute DBE subcontractor to perform said work, may constitute a breach of this contract for which the Department may terminate the contract or pursue such remedy as deemed appropriate by the Department.

XII. CONTRACT COMPLIANCE

This contract is subject to contract compliance tracking, and the prime contractor and all subcontractors are required to report payments electronically in the HDOT online Certification and Contract Compliance Management System (hereafter referred to as "online tracking system"). The prime contractor shall report the date payment was made by the Department and shall report payment to all subcontractors for the audit period. The prime contractor and all subcontractors are responsible for responding by any noted response date or due date to any instructions or request for information, and to check the online tracking system on a regular basis to manage contact information and contract records.

The prime contractor is responsible for ensuring all subcontractors have completed all requested items and that their contact information is accurate and up-to-date. HDOT may require additional information related to the contract to be provided electronically through the online tracking system at any time before, during, or after contract award. Information related to contractor access of the online tracking system will be provided to designated point of contact with each contractor upon award of the contract. The online tracking system is web-based and can be accessed at the following Internet address: <https://hdot.dbesystem.com/>.

XIII. PAYMENT

- A. The Department will make an estimate in writing each month based on the items of work performed and materials incorporated in the work and the value therefore at the unit prices or lump sum prices set forth in the contract. All progress estimates and payments will be approximate only and shall be subject to correction at any time prior to or in the final estimate and payment. The Department will not withhold any amount from any payment to the contractor, including retainage.
- B. The contractor shall pay all subcontractors within ten (10) calendar days after receipt of any progress payments from the Department. This clause applies to both DBE and non-DBE subcontractors, and all tiers of subcontracts.
- C. The contractor will verify that payment or retainage has been released to the subcontractors or its suppliers within the specified time through entries in the Department's online tracking system during the corresponding monthly audits. Prompt payment will be monitored and enforced through the contractor's reporting of payments to its subcontractors and suppliers in the online tracking system.

Subcontractors, including lower tier subcontractors and/or suppliers will confirm the timeliness and the payment amounts received utilizing the online tracking system. Discrepancies will be investigated by the DBE Program Office and the project engineer. Payments to the subcontractors, including lower tier subcontractors, and including retainage released after the subcontractor or lower tier subcontractor's work has been completed to the Department's satisfaction, will be reported by the Contractor or the subcontractor.

- D. When any subcontractor has satisfactorily completed its work as specified in the subcontract, and there are no bona fide disputes, the contractor shall make prompt and full payment to the subcontractor of all monies due, including retainage, within ten (10) calendar days after the subcontractor's work is satisfactorily completed. A subcontractor's work is satisfactorily completed when all the tasks called for in the subcontract have been accomplished and documented, as required by the Department. The contractor must obtain the prior written approval from the Department before it can continue to withhold retainage from any subcontractor who has completed its portion of the work. This clause applies to both DBE and non-DBE subcontractors, and all tiers of subcontracts.

XIV. RECORDS

The contractor shall maintain and keep all records necessary for the Department to determine compliance with the contractor's DBE obligations. The records shall be available at reasonable times and places for inspection by the Department and appropriate Federal agencies. The records to be kept by the contractor shall include:

1. The names, race/ethnicity, gender, address, phone number, and contact person of all DBE and non-DBE consultants, subcontractors, manufacturers, suppliers, truckers and vendors identified as DBEs;
2. The nature of work of each DBE and non-DBE consultant, subcontractor, manufacturer, supplier, trucker and vendor;
3. The dollar amount contracted with each DBE and non-DBE consultant, subcontractor, manufacturer, supplier, trucker and vendor; and
4. Cumulative dollar amount of all change orders to the subcontract.

XV. FAILURE TO COMPLY WITH DBE REQUIREMENTS

The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of USDOT assisted contracts. All contractors, subcontractors, manufacturers and suppliers are hereby advised that failure to carry out all DBE requirements specified herein shall constitute a material breach of contract that may result in termination of the contract or such other remedy as deemed appropriate by the Department including but not limited to: 1) withholding monthly progress payments; 2) assessing sanctions; 3) liquidated damages; and/or 4) disqualifying the contractor from future bidding as non-responsible.

- D. When any subcontractor has satisfactorily completed its work as specified in the subcontract, and there are no bona fide disputes, the contractor shall make prompt and full payment to the subcontractor of all monies due, including retainage, within ten (10) calendar days after the subcontractor's work is satisfactorily completed. A subcontractor's work is satisfactorily completed when all the tasks called for in the subcontract have been accomplished and documented, as required by the Department. The contractor must obtain the prior written approval from the Department before it can continue to withhold retainage from any subcontractor who has completed its portion of the work. This clause applies to both DBE and non-DBE subcontractors, and all tiers of subcontracts.

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The names, race/ethnicity, gender, address, phone number, and contact person of all DBE and non-DBE consultants, subcontractors, manufacturers, suppliers, truckers and vendors identified as DBEs;

1. The nature of work of each DBE and non-DBE consultant, subcontractor, manufacturer, supplier, trucker and vendor;
2. The dollar amount contracted with each DBE and non-DBE consultant, subcontractor, manufacturer, supplier, trucker and vendor; and
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- 1) withholding monthly progress payments;
- 2) assessing sanctions;
- 3) liquidated damages; and/or
- 4) disqualifying the contractor from future bidding as non- responsible.



**Disadvantaged Business Enterprise (DBE)
Contract Goal Verification and Good Faith Efforts (GFE)
Documentation For Construction
INSTRUCTIONS**

Project #	Self-explanatory
County	County where project is located
DBE Project Goal	Indicate DBE goal listed in the proposal on P-1
Prime Contractor	Name of prime contractor
Name of Subcontractor, Supplier, Manufacturer, and Trucking Company	Company name of subcontractor, supplier, manufacturer, or trucking firm
DBE (Y/N)	Y for yes and N for no
Bid Item Number and Description	Pay item and description
Approx. Quantity/ Hours	Self-explanatory
Unit	Unit of measure
Unit Price/ Rate	Self-explanatory
Dollar Amount	Total dollar amount committed to subcontractor, supplier, manufacturer, or trucking firm
A. Dollar amount of the work to be performed by DBE subcontractors, manufacturers, and trucking companies, plus 60% of the dollar amount of DBE suppliers	Total amount of DBE participation
B. Sum of all work items less mobilization, force account items, allowance items	List total of work items minus mobilization, force accounts and allowances. DBE credit shall not be given for mobilization, force account items, and allowance items.
A/B = DBE contract goal	Self-explanatory
Name and Signature of Authorized Representative of Prime Contractor	Self-explanatory (Note: bidder must sign and date every page of form.)
Date	Date form is signed
Summary of Good Faith Efforts (GFE)	Complete by answering questions in detail and providing documentation to support how bidder demonstrated good faith efforts to meet the goal, irrespective of whether or not the goal was met.

Rev 08.10.22

Summary of Good Faith Efforts (GFE)

As required by the specifications “*Disadvantaged Business Enterprise Requirements*,” documentation of GFE shall be submitted by the close of business, 4:30 P.M. HST five (5) days of bid opening. The bidder/offeror shall respond to the following questions and describe efforts to obtain DBE participation whether or not the DBE project goal is met. Responses must be sufficient to properly evaluate the bidder’s/offeror’s good faith efforts. Copies of correspondence return receipts, telephone logs, or other documentation will be required to support GFE. Attach additional sheets, if necessary. Based on responses given, HDOT shall make a determination of the bidders’ GFE. Failure to provide required information sufficient to evaluate the bid/proposal shall be cause for bid/proposal rejection.

1. Did you submit the required information by the close of business, 4:30 P.M. HST, five (5) days after bid opening (i.e. DBE name, address, NAICS code, description of work, project name, and number)?
2. Explain your GFE if any, to solicit through all reasonable and available means (e.g. attendance at pre-bid meetings, advertising and/or written notices) the interest of all certified DBEs who have the capability to perform part or all of the work to be included under the contract.
 - a. Explain your GFE if any, to solicit the participation of potential DBEs as early in the procurement process as practicable.
 - b. Explain your GFE if any, to allow sufficient time for the DBEs to properly inquire about the project and respond to the solicitation.
 - c. Explain your GFE if any, to take appropriate steps to follow up with interested DBEs in a timely manner to facilitate participation by DBEs in this project.
3. Explain your GFE if any, to identify and break up portions of work that can be performed by DBEs in order to increase the likelihood that a DBE will be able to participate, and that the DBE goal could be achieved (e.g. breaking out contract items into economically feasible units to facilitate DBE participation even when you might otherwise prefer to self-perform these work items).
4. Explain your GFE if any, to make available or provide interested DBEs with adequate information about the plans, specifications, and requirements of the project in a timely manner, and assist them in responding to your solicitation.
5. Explain your GFE if any, to negotiate in good faith with interested DBEs. Evidence of such negotiations includes documenting:
 - a) the names, addresses and telephone numbers of DBEs that were contacted;
 - b) a description of the information that was provided to DBEs regarding the plans and specifications; and
 - c) detailed explanation for not utilizing individual DBEs on the project.
6. Did you solely rely on price in determining whether to use a DBE? If yes please explain. The fact that there may be additional or higher costs associated with finding and utilizing DBEs are not, by themselves, sufficient reasons for your refusal to utilize a DBE or

NAME and SIGNATURE of AUTHORIZED REPRESENTATIVE of PRIME CONTRACTOR:

DATE:

failure to meet the DBE goal, provided that such additional costs are not unreasonable. Also, the ability or desire to perform a portion of the work with your own forces, that could have been undertaken by an available DBE, does not relieve you of the responsibility to make good faith efforts to meet the DBE goal, and to make available and solicit DBE participation in other areas of the project to meet the DBE goal.

7. Did you reject DBEs as being unqualified without sound reasons based on a thorough investigation of their capabilities? If yes, please explain. The DBEs standing within the industry, membership in specific groups, organizations or associates, and political or social affiliation are not legitimate basis for the rejection or non-solicitation of bids from particular DBEs.
8. Explain your GFE to assist interested DBEs in obtaining bonding, lines of credit, or insurance.
9. Explain your GFE if any, to assist interested DBEs in obtaining necessary equipment, supplies, materials or related assistance or services.
10. If you selected a non-DBE over a DBE subcontractor, please provide the quotes of each DBE and non-DBE subcontractor submitted to you for work on the contract; and for each DBE that was contacted but not utilized for a contract, provide a detailed written explanation for each DBE detailing the reasons for not utilizing or allowing the DBE to participate in the contract.
11. Explain your GFE if any, to effectively use the services of available minority/women community organizations, minority/women business groups, contractors' groups, and local, state and federal minority/women business assistance offices or other organizations to provide assistance in recruitment and placement of DBEs.

NAME and SIGNATURE of AUTHORIZED REPRESENTATIVE of PRIME CONTRACTOR:

DATE:



Disadvantaged Business Enterprise (DBE) Confirmation and Commitment Agreement Trucking Company INSTRUCTIONS

The purpose of this agreement is to secure the commitment of the bidder/offeror to utilize the listed DBE trucking company, and the DBE's confirmation that it will perform work for the bidder/offeror on this project. The information on this form shall be provided by the DBE.

Project #	Self-explanatory
County	County where project is located
NAICS Code/Description of Work	Primary North American Industry Classification System code under which DBE is certified to perform and description of work to be done
Secondary NAICS Code	List other NAICS codes firm is certified to perform
Estimated Beginning Date (Month/Year)	Date DBE shall begin work on the project
Estimated Completion Date (Month/Year)	Date DBE's work will be completed
Trucking Company	Name of DBE trucking company
Item No.	List pay item number
Item Description	Description of item
Unit	Unit of measure – e.g. weight or hours
Unit Price/Rate	Cost per unit or hourly rate
Amount	Total amount per pay item
Total Commitment Amount	Sum of all pay items and total commitment of bidder/offeror to DBE
Number of hours contracted or quantities to be hauled	Approximate number of hours or tonnage to be hauled
Number of fully operational trucks to be used:	Total number of trucks to be used for the project
Tractor/Trailers	Number of tractor trailers to be used
Dump Trucks	Number of dump trucks to be used
Number of fully operational trucks owned by DBE	Number of listed DBE's trucks to be used on this project
Name of Trucking Company	If other trucking companies (DBE or non-DBE) are to be leased, list name and information about type of trucks in this section
Estimated Dollar Amount to be Contracted	Provide information about estimated cost to lease trucks
Number of Dump Trucks, Tractor/Trailer	Self-explanatory
DBE NAME	DBE Company name
Name/Title	Name and title of DBE's representative
Address	Self-explanatory
Phone	Self-explanatory
Fax	Self-explanatory
Email	Self-explanatory
Signature	Signature of DBE's representative
Date	Date agreement is signed
Prime Contractor	Company name

Name/Title	Name and title of prime contractor's representative
Address	Self-explanatory
Phone	Self-explanatory
Fax	Self-explanatory
Email	Self-explanatory
Signature	Signature of prime contractor's representative
Date	Date agreement is signed
Subcontractor (only if the DBE will be a second tier sub):	Name of subcontractor only if the listed DBE trucking company will be performing work under this subcontractor
Name/Title	Name and title of the subcontractor's representative
Address	Self-explanatory
Phone	Self-explanatory
Fax	Self-explanatory
Email	Self-explanatory
Signature	Signature of subcontractor
Date	Date agreement is signed



Disadvantaged Business Enterprise (DBE) Confirmation and Commitment Agreement Subcontractor, Manufacturer, or Supplier INSTRUCTIONS

The purpose of this agreement is to secure the commitment of the bidder/offeror to utilize the listed DBE, and the DBE's confirmation that it will perform work for the bidder/offeror on this project. The information on this form shall be provided by the DBE.

Project #	Self-explanatory
County	County where project is located
NAICS Code/Description of Work	Primary North American Industry Classification System code under which DBE is certified to perform and description of work to be done
Secondary NAICS Code	List other NAICS codes firm is certified to perform
Estimated Beginning Date (Month/Year)	Date DBE shall begin work on the project
Estimated Completion Date (Month/Year)	Date DBE's work will be completed
Subcontractor	Name of DBE subcontractor (company name)
Item No.	List pay item number
Item	Description of item
Approx. Quantity	Self-explanatory
Unit	List unit of measure
Unit Price	Cost per unit
Amount	Total amount per pay item
Total Commitment Amount	Sum of all pay items and total commitment of bidder/offeror to DBE
Manufacturer	Name of DBE manufacturer
Supplier	Name of DBE supplier (aka regular dealer)
DBE NAME	DBE Company name
Name/Title	Name and title of DBE's representative
Address	Self-explanatory
Phone	Self-explanatory
Fax	Self-explanatory
Email	Self-explanatory
Signature	Signature of DBE's representative
Date	Date agreement is signed
Prime Contractor	Company name
Name/Title	Name and title of prime contractor's representative
Address	Self-explanatory
Phone	Self-explanatory
Fax	Self-explanatory
Email	Self-explanatory
Signature	Signature of prime contractor's representative
Date	Date agreement is signed
Subcontractor (only if the DBE will be a second tier sub):	Name of subcontractor only if the listed DBE will be performing work under this subcontractor as a second tier subcontractor/supplier/manufacturer

Name/Title	Name and title of the subcontractor's representative that the listed DBE will work under as a second tier subcontractor/supplier/manufacturer
Address	Self-explanatory
Phone	Self-explanatory
Fax	Self-explanatory
Email	Self-explanatory
Signature	Signature of subcontractor's representative
Date	Date agreement is signed



Disadvantaged Business Enterprise (DBE) Confirmation and Commitment Agreement Trucking Company

This commitment is subject to the award and receipt of a signed contract from the Hawaii Department of Transportation (HDOT) for the subject project. DBEs must be certified by the bid opening date.

Project #:	County:
NAICS CODE/DESCRIPTION OF WORK:	SECONDARY NAICS CODE:

*All quantities and units should match the bid tab item whenever possible.

The prime contractor shall inform HDOT the dates when the trucking firm starts and completes all work under the subcontract.

Estimated Beginning Date (Month/Year):	Estimated Completion Date (Month/Year):
---	--

TRUCKING COMPANY:	Item No.	Item Description	Unit	Unit Price/Rate	Amount
				\$	\$
				\$	\$
				\$	\$
TOTAL COMMITMENT AMOUNT					\$

1. Number of hours contracted or quantities to be hauled: _____
2. Number of fully operational trucks to be used: _____ Tractor/trailers: _____ Dump trucks: _____
3. Number of fully operational trucks owned by DBE: _____ Dump trucks: _____ Tractors/trailers: _____
4. If Owner Operators or additional trucking companies are to be used answer the following:

Name of Trucking Company	DBE Y/N	Estimated Dollar Amount to be Contracted	Number and Type of Trucks (specify)
		\$	
		\$	

The prime contractor certifies by signature on this agreement to utilize the DBE trucking company as listed on the agreement form. If a DBE trucking company is unable to perform the work as listed on this agreement form, the prime contractor will follow the substitution/replacement approval process as outlined in the contract DBE requirements. **IMPORTANT! The signatures of the DBE, prime contractor, and subcontractor (only if the DBE will be a second tier sub) confirms that all information on this Agreement is true and correct. Parties should sign Agreement in the order in which they are listed.**

DBE NAME:	Name/Title (please print):
Address:	Signature:
Phone: Fax:	
Email:	Date:
Prime Contractor:	Name/Title (please print):
Address:	Signature:
Phone: Fax:	
Email:	Date:
Subcontractor (only if the DBE will be a second tier sub):	Name/Title (please print):
Address:	Signature:
Phone: Fax:	
Email:	Date:

HDOT retains the information collected through this form. With few exceptions, you are entitled on request to be informed about the information that we collect about you.

FED
08.10.22

Addendum No. 4



Disadvantaged Business Enterprise (DBE) Confirmation and Commitment Agreement

Subcontractor, Manufacturer, or Supplier

This commitment is subject to the award and receipt of a signed contract from the Hawaii Department of Transportation (HDOT) for the subject project. DBEs must be certified by the bid opening date.

Project #:	County:
NAICS CODE/DESCRIPTION OF WORK:	SECONDARY NAICS CODE:

*All quantities and units should match the bid tab item whenever possible.

The prime contractor shall inform HDOT of the dates when the subcontractor starts and completes all work under the subcontract.

Estimated Beginning Date (Month/Year):	Estimated Completion Date (Month/Year):
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SUBCONTRACTOR:	Item No.	Item	Approx. Quantity	Unit	Unit Price	Amount
					\$	\$
					\$	\$
					\$	\$
					\$	\$
TOTAL COMMITMENT AMOUNT						\$

MANUFACTURER:	Item No.	Item	Approx. Quantity	Unit	Unit Price	Amount
					\$	\$
					\$	\$
TOTAL COMMITMENT AMOUNT						\$

SUPPLIER:	Item No.	Item	Approx. Quantity	Unit	Unit Price	Amount
					\$	\$
					\$	\$
TOTAL COMMITMENT AMOUNT						\$

The prime contractor certifies by signature on this agreement that subcontracts will be executed between the prime contractor and the DBE subcontractors as listed on the agreement form. If a DBE subcontractor is unable to perform the work as listed on this agreement form, the prime contractor will follow the substitution/replacement approval process as outlined in the contract DBE requirements. **IMPORTANT! The signatures of the DBE, prime contractor, and subcontractor (only if the DBE will be a second tier sub) confirms that all information on this Agreement is true and correct. Parties should sign Agreement in the order in which they are listed.**

DBE NAME:	Name/Title (please print):
Address:	Signature:
Phone: <input style="width: 80%;" type="text"/>	Date:
Fax: <input style="width: 80%;" type="text"/>	
Email: <input style="width: 90%;" type="text"/>	
Prime Contractor:	Name/Title (please print):
Address:	Signature:
Phone: <input style="width: 80%;" type="text"/>	Date:
Fax: <input style="width: 80%;" type="text"/>	
Email: <input style="width: 90%;" type="text"/>	
Subcontractor (only if the DBE will be a second tier sub):	Name/Title (please print):
Address:	Signature:
Phone: <input style="width: 80%;" type="text"/>	Date:
Fax: <input style="width: 80%;" type="text"/>	
Email: <input style="width: 90%;" type="text"/>	

HDOT retains the information collected through this form. With few exceptions, you are entitled on request to be informed about the information that we collect about you.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
STATEWIDE TRANSPORTATION PLANNING OFFICE

SPECIAL PROVISIONS

SPECIAL PROVISIONS

The Specifications contained herein are amended as follows:

- A. SECTION 1 - DEFINITION AND TERMS is amended by deleting "1.33 Subcontractor" in its entirety and replacing it with the following:

1.33 SUBCONTRACTOR – An individual, partnership, firm, corporation, or joint venture, or other legal entity, as licensed or required to be licensed under Chapter 444, Hawaii Revised Statutes, as amended, which enters into an agreement with the Contractor to perform a portion of the work."

SECTION 1 - DEFINITION AND TERMS is amended by adding the following:

1.39 MAINTENANCE - The regular and preventative service of the vehicle or equipment after acceptance to provide for the safe operations of the vehicle or equipment as specified in the contract.

1.40 REPAIR - The unscheduled service of the vehicle or equipment after acceptance to provide for the safe operations of the vehicle or equipment as specified in the contract.

1.41 SERVICE LIFE - The length of time and mileage the motor vehicle is in service.

1.42 NEW VEHICLE - As it applies to this specification, is a vehicle which has never been owned except by a manufacturer, distributor or dealer AND has never been registered AND meets the mileage requirement in the context in which it is used."

- B. SECTION 2 – PROPOSAL REQUIREMENTS AND CONDITIONS is amended by the following:



1. 2.3 DELIVERY OF PROPOSALS is amended by replacing the entire subsection with:
"2.3 DELIVERY OF PROPOSALS – The bidder shall submit the proposal in HlePRO. Bids received after said date and time shall not be considered. Original bid documents do not have to be submitted. Award will be made based on proposals submitted via HlePRO."
2. 2.4 WITHDRAWAL OF PROPOSALS is amended by replacing the entire subsection with:
"2.4 WITHDRAWAL OF PROPOSALS – A bidder may withdraw or revise a proposal after the bidder submits the proposal in HlePRO. Withdrawal or revision of proposal must be completed before the time set for receiving of bids."
3. 2.5 PUBLIC OPENING OF PROPOSALS is not applicable.

4. 2.8 OUT-OF-STATE BIDDERS is amended by deleting it in its entirety and replacing it with the following:

"2.8. REQUIREMENT FOR APPLICABLE TAXES AND FEES TO BE INCLUDED IN PROPOSALS – Bid prices shall be inclusive of all applicable Federal, State and Local taxes and fees."

- C. SECTION 2 – PROPOSAL REQUIREMENTS AND CONDITIONS is amended by adding the following:

"2.10 QUALIFICATION OF BIDDERS – In accordance with Section 103D-310, H.R.S., the Department may require any bidder or prospective bidder (hereinafter collectively referred to in this section as "bidder") to submit answers to questions contained in a qualification questionnaire for prospective bidders, on a form furnished by the Department, properly executed and notarized, setting forth a complete statement of the experience of such prospective bidder and its organization in performing similar work and a statement of the equipment proposed to be used, together with adequate proof of the availability of such equipment. Requested qualification questionnaire shall be submitted to the State within seven (7) working days of the request. Whenever it appears to the Department, from answers to the questionnaire or otherwise, that the bidder is not fully qualified and able to perform the intended work, the Department will, after affording the bidder an opportunity to be heard and if still of the opinion that the bidder is not fully qualified to perform the work, make a written determination of non-responsibility and refuse to consider any bid offered by the bidder. All information contained in the answers to the questionnaire shall be kept confidential except disclosure may be made to law enforcement agencies as provided in Chapter 92F, H.R.S.

Failure to return the qualification questionnaire in the allotted time or failure to complete the qualification questionnaire shall result in rejection of bid by Department of Transportation.

The Department, in its sole discretion, may declare a bidder to be non-responsible if (1) the bidder; (2) a corporation or other business entity owned substantially by the bidder; (3) a substantial stockholder or an officer of the bidder; or (4) a partner or substantial investor of the bidder is in arrears in payments owed to the State of Hawaii or its political subdivisions, is in default as a surety, or has failed or is failing to properly perform existing or previous contracts with the State."

"2.11 EXAMINATION OF PLANS, SPECIFICATIONS, AND PATENT AMBIGUITIES; REQUEST FOR CLARIFICATION - A bidder has an obligation to carefully review the plans, specs, and other contract documents. If a bidder discovers a patent ambiguity, i.e., any discrepancy, omission, conflict, or other obvious error or ambiguity in the contract documents that affects its ability to prepare a complete and accurate bid, it must submit a written request for clarification as described in the subsection below.



Requests shall be submitted via email to the Contact person listed in HlePRO for the solicitation and also posted as a question in HlePRO under the question/answer tab referencing the email with the request. The request must be posted in HlePRO no later than fourteen (14) calendar days before the bid opening date, not including the bid opening date. It shall be titled "Request for Clarification". Bidders will be notified of

all Departmental responses by an addendum to the invitation for bids.

If a patent ambiguity is not brought to the attention of the Department within the timeframe specified herein, the Department reserves the right to deny the successful bidder any adjustment in contract price or time in order to meet contract requirements as determined by the Department."

"2.12 ACCEPTANCE OF PROPOSALS; CORRECTION OF MISTAKES

- A. Proposals shall be unconditionally accepted without alteration or correction.
- B. A bid containing a mistake discovered after the deadline for receipt of bids but prior to award may be:
 - 1. Corrected or the mistake waived under the following conditions:
 - a) If the mistake is attributable to an arithmetical error, the Department shall so correct the mistake with or without a request or concurrence by the affected bidder. In case of error in the extension of the bid price, the unit price shall govern;
 - b) If the mistake is a minor informality which shall not affect price, quantity, quality, delivery, or contractual conditions, the Department may waive the informalities or allow the bidder to request correction by submitting documentation that demonstrates a mistake was made. Examples of mistakes include:
 - (i) Typographical errors;
 - (ii) Transposition errors;
 - (iii) Failure of a bidder to sign the bid or provide an original signature, but only if the unsigned bid or photocopy is accompanied by other material indicating the bidder's intent to be bound; or
 - c) The Department may correct or waive the mistake if it is not allowable under subparagraphs a) and b) but is an obvious mistake that if allowed to be corrected or waived is in the best interest of the Department and is fair to other bidders.
 - 2. Withdrawn, if the mistake is attributable to an obvious error that shall affect price, quantity, quality, delivery, or contractual conditions, provided:
 - a) The bidder requests withdrawal by submitting documentation that demonstrates a mistake was made; and
 - b) The Department prepares a written approval or denial in response to this request.
- C. A mistake in a bid discovered after award of contract may be corrected or withdrawn if the Department makes a written determination that it would be unreasonable not to allow the mistake to be remedied or withdrawn.
- D. Any determination required by this section shall be final and conclusive unless clearly erroneous, arbitrary, capricious, or contrary to law."

"2.13 CANCELLATION OF INVITATION FOR BIDS AFTER BID OPENING -

An invitation for bids may be cancelled after bid opening but prior to award for reasons including, but not limited to, the following:

- A. The item(s) being procured are no longer required.
- B. Ambiguous or otherwise inadequate specifications were part of the invitation for bids.
- C. The invitation for bids did not provide for consideration of all factors of significance to the Department.
- D. Prices exceed available funds, and it would not be appropriate to adjust the scope of work to come within available funds.
- E. All otherwise acceptable offers received are at clearly unreasonable prices.
- F. There is reason to believe that the proposals may not have been independently arrived at in open competition, may have been collusive, or may have been submitted in bad faith; or
- G. A determination by the Department that a cancellation is in the public interest."

- D. SECTION 3.1 - AWARD OF CONTRACT is amended by deleting the second paragraph and replacing it with the following:

"The awarding of the contract(s) will be made by individual vehicle listed in the proposal schedule and be given to the lowest responsible bidder(s) for each vehicle whose proposal complies with all the requirements prescribed.

The award of contract, if awarded, will be made within sixty (60) calendar days after the opening of bids. The successful bidder(s) will be notified by letter mailed to the address shown on their proposal, that their proposal has been accepted and that they have been awarded the contract for particular vehicle(s). The Department may request the bidders to allow the Department to consider the bids for the issuance of an award beyond the 60-day period. Agreement to such an extension must be made by a bidder in writing. Only bidders who have agreed to such an extension will be eligible for the award."

- E. SECTION 3 - AWARD AND EXECUTION OF CONTRACT is amended by adding the following:

"3.5 FEDERAL PARTICIPATION - The Contractor's attention is directed to the fact that pursuant to the provisions of the Act of Congress known as the Fixing America's Surface Transportation (FAST) Act, the United States Government may pay a portion of the cost of this project. The above Act of Congress provides that the procurement in each State shall be done in accordance with applicable State and Federal rules and regulations pursuant to said Act. The procurement process, therefore, will be subject to such inspection by the Federal Transit Administration or its representative as may be deemed necessary to meet with the above requirements when Federal Funds are used, but such inspection will in no case make the Federal Government a party to this contract and will in no way interfere with the rights of either party hereunder."

- F. SECTION 4.1 – WORK TO BE DONE is amended by adding the following:

"Within ten (10) calendar days of official commencement date of Notice to Proceed, the Contractor shall submit to the Statewide Transportation Planning Office the following: 1) a written confirmation of the order(s) placed with the factory for each item awarded and 2) a production schedule including tentative manufacture start and completion dates."



- G. SECTION 4.4 – CHANGES AND CLAIMS FOR ADJUSTMENT is amended by adding the following paragraph to section 4.4 subsection B Adjustments of price or time for performance:

"If the Contractor finds it impossible for reasons beyond its control to complete the work within the contract time as specified, the Contractor shall, within 10 days from the first day of notification from the manufacturer or supplier of any delay and prior to the expiration of the contract time, make a written request to the Director for an extension of time setting forth therein the reasons which the Contractor believes will justify the granting of its request.

The Contractor's plea that insufficient time was specified is not a valid reason for extension of time. If the Director finds that the work was delayed because of conditions beyond the control and without the fault of the Contractor, the Director may extend the time for completion in such extension as the conditions justify. The extended time for completion shall then be in full force and effect the same as though it were the original time for completion.

Extension of time shall be considered only with written notice prior to delivery deadline. Written notice requesting extension will not be considered without a copy of the factory order, factory confirmation of order and without documents substantiating that the cause(s) for delay is, in fact, beyond the control of the Contractor. The State shall be the sole judge of whether such delay is truly beyond the control of the Contractor and whether an extension will be granted."



- H. SECTION 4.5 – PRICE ADJUSTMENT is amended by adding the following:

"If the Contractor finds it impossible for reasons beyond its control to complete the work without an adjustment to the contract price for a bid item, the contractor shall, within 10 days from the first day of notification from the manufacturer or supplier that the price established at the time of bid is no longer feasible, make a written request to the Director for an adjustment to the contract price, setting forth therein the reasons which the Contractor believes will justify the granting of its request.

Written documentation from the manufacturer or supplier must be provided to quantify and justify the change in price and documentation that the change in price was unknown to the Contractor at the time of bid must also be provided. The burden of proof to provide such documentation shall be upon the bidder or Contractor and bidder or Contractor shall furnish all other information necessary or related thereto as required by the Director. The Director shall be the sole judge as to whether the price adjustment is allowable, and the Director's decisions shall be final."

I. 6.2 TRADE NAMES AND ALTERNATES is amended as follows:



1. The first paragraph of A. QUALIFICATION BEFORE BID OPENING shall be replaced with the following:

"A. QUALIFICATION BEFORE BID OPENING - When the specifications specify one or more manufacturer's brand names of materials or equipment to indicate a quality, style, appearance, or performance, the bidder will be assumed to have based its bid on one of the specified named products, except where such proprietary product are specified, alternate brands may be qualified if found equal or better by the Department. The bidder shall submit a request to the Department for review and approval at the earliest date possible. Requests shall be submitted via email to the Contact person listed in HlePRO for the solicitation and also posted as a question in HlePRO under the question/answer tab referencing the email with the request. The request must be posted in HlePRO no later than fourteen (14) calendar days before the bid opening date, not including the bid opening date."

2. The first sentence of the second paragraph of A. QUALIFICATION BEFORE BID OPENING shall be replaced with the following:

"It shall be the responsibility of the bidder to submit sufficient evidence based upon which a determination can be made by the Department that the alternate brand is a qualified equivalent."

J. SECTION 8.2 - LIQUIDATED DAMAGES is amended by adding the following:

"Delivery extension shall be considered only with written notice prior to delivery deadline. Written notice requesting extension will not be considered without a copy of the factory order, factory confirmation of order and without documents substantiating that the cause(s) for delay is, in fact, beyond the control of the Contractor. The State shall be the sole judge of whether such delay is truly beyond the control of the Contractor and whether an extension will be granted."

K. SECTION 9.2 - PROGRESS PAYMENTS is amended by deleting the section in its entirety and replacing it with the following:

"SECTION 9.2 - PROGRESS PAYMENTS For each vehicle furnished, delivered and accepted a progress payment may be made to the Contractor, provided the requirements of these specifications have been satisfactorily met. Five percent (5%) of the amount of each progress payment shall be retained by the Department until the final acceptance of work.

Progress payments for each vehicle furnished, delivered and accepted the Contractor shall forward an original and one copy of the invoice. Each invoice shall contain the following:

- A. Vendor's name, address and phone number.
- B. Contract No.
- C. Contract Vehicle No.

- D. Name of the Non-profit Organization or County Agency the vehicle(s) is delivered.
- E. Description of motor vehicle, such as make, model, VIN, year, the quantity.
- F. Motor vehicle sum price, sub-total, taxes, and total.

The following certifications are required:

- A. Buy America, 49 USC 5323(j)
- B. Federal Motor Vehicle Safety Standards
- C. Purchaser's Requirements

All invoices shall be sent addressed to the Director at:

State of Hawaii
Department of Transportation
Statewide Transportation Planning Office
200 Rodgers Boulevard
Honolulu, Hawaii 96819"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
STATEWIDE TRANSPORTATION PLANNING OFFICE

SPECIFICATIONS

SECTION 1 - DEFINITION AND TERMS

Whenever the following pronouns are used in these specifications, or in any documents or instruments where these specifications govern, the intent and meaning shall be interpreted as follows:

1.1 ADDENDA - A written document which may be issued by the Director during the bidding period involving changes to the specifications and plans, if any, which shall be considered and made a part of the contract.

1.2 AIRPORTS DIVISION - Airports Division, Department of Transportation, State of Hawaii.

1.3 AWARD - The written acceptance of a proposal by the State.

1.4 BIDDER - Any individual, partnership, corporation or other legal entity, or combination thereof, submitting a proposal for the work contemplated, acting either directly or through a duly authorized representative.

1.5 CALENDAR DAY - Every day shown on the calendar. If no designation of calendar or working day is made, "day" shall mean calendar day.

1.6 CHANGE ORDER - A written order issued by the Director to the Contractor requiring the contract work to be performed in accordance with a change or changes that may involve an adjustment in contract time and price or requiring performance of any unforeseen work essential to complete the contract.

1.7 CONTRACT - The written agreement between the State and the Contractor setting forth the obligations of the parties thereunder, including, but not limited to, the performance of the work, the furnishing of labor and materials, and the basis of payment.

The contract includes the (1) notice to bidders, (2) proposal, (3) contract form and contract bond, (4) specifications, (5) special provisions and plans, if any, (6) addenda, (7) notice to proceed, and (8) change orders and agreements that are required to complete the work, all of which constitute one instrument.

1.8 CONTRACT BOND - The approved form of security, executed by the Contractor and its Surety or Sureties, guaranteeing the completion of the work in accordance with the terms of the contract, and guaranteeing full payment of all claims for labor, materials, and supplies used or incorporated in the work.

1.9 CONTRACT TIME - The number of working days or calendar days allowed for completion of the contract, including authorized time extensions.

If a calendar date is specified as the date of completion in lieu of the number of working days or calendar days, the contract shall be completed by that date.

In case the contract is for a specified period of time, the contract time shall be for said specified period of time.

1.10 CONTRACTOR - The individual, partnership, corporation or other legal entity, or combination thereof, contracting with the State for performance of the prescribed work.

1.11 DEPARTMENT - The State Department of Transportation.

1.12 DIRECTOR - The Director of Transportation, acting either directly or through the Director's duly authorized representative.

1.13 EQUAL OR APPROVED EQUAL - Whenever this term is used in the specifications and plans, if any, it means a brand or article pre-qualified in accordance with Section 6.2 Trade Names and Alternates and which may be used in place of the one specified.

1.14 H.A.R. or HAR - Hawaii Administrative Rules.

1.15 H.R.S. or HRS - Hawaii Revised Statutes.

1.16 HARBORS DIVISION - Harbors Division, Department of Transportation, State of Hawaii.

1.17 HIGHWAYS DIVISION - Highways Division, Department of Transportation, State of Hawaii.

1.18 HOLIDAYS - The days which are set apart and established as State holidays pursuant to Section 8-1, H.R.S.

1.19 INSPECTOR - The Director's authorized representative assigned to make detailed inspections of contract performance and materials supplied.

1.20 NOTICE TO BIDDERS - The public announcement, as required by law, inviting proposals for the work to be performed or materials to be furnished.

1.21 NOTICE OF FINAL ACCEPTANCE - Written notice from the Director to the Contractor that the entire contract has been completed in all respects in accordance with the specifications and plans, if any, and any changes thereof previously approved by the Director.

1.22 NOTICE TO PROCEED - Written notice from the Director to the Contractor advising the Contractor of the date on which he is to begin the prosecution of the work.

1.23 PLANS - The contract drawings approved by the Director which show the location, character, dimensions and details of the work to be done and shall be a part of the contract.

1.24 PROCUREMENT OFFICER - The Director's duly authorized representative including project managers, project engineers and contract administrators assigned to prepare, evaluate and administer contracts for the purchasing of goods and services.

1.25 PROPOSAL (OR BID) - The offer of a bidder, on the prescribed form, to perform the work and to furnish the labor and materials at the prices quoted.

1.26 PROPOSAL FORM - The approved format prepared by the Department or a facsimile thereof on which bids for the work must be prepared and submitted. (Reasonable facsimile acceptable for bidding.)

1.27 PROPOSAL GUARANTY - The security furnished with a proposal to guarantee that the bidder will enter into the contract and furnish all other requirements if the bidder's proposal is accepted.

1.28 QUALIFICATION QUESTIONNAIRE - The specified forms on which the bidder shall furnish required information as to the bidder's ability to perform and finance the work.

1.29 S.L.H. or SLH - Session Laws of Hawaii.

1.30 SPECIAL PROVISIONS - Revisions to the specifications. The specific clauses setting forth conditions or requirements peculiar to the project under consideration which are not thoroughly or satisfactorily stipulated in these specifications.

1.31 SPECIFICATIONS - The directions, provisions, and requirements pertaining to the method and manner of performing the work and to the quantities and qualities of materials to be furnished under the contract.

1.32 STATE - The State of Hawaii.

1.33 SUBCONTRACTOR - An individual, partnership, corporation, other legal entity, or any combination thereof, that enters into an agreement with the Contractor to perform a portion of the work for the Contractor.

1.34 SUPERINTENDENT - The Contractor's representative who is responsible for and in charge of the work.

1.35 SURETY - The corporation, partnership or individual, other than the Contractor, executing a bond furnished by the Contractor and guaranteeing performance by the Contractor.

1.36 TITLES (OR HEADINGS) - The titles or headings of the Sections herein are intended for convenience of reference and shall not be considered as having any bearing on their interpretation. Unless otherwise indicated, whenever the word "Section" is used, reference is being made to a Section in these specifications.

1.37 WORK - The furnishing of all labor, materials, equipment, and other incidentals necessary or convenient for the successful completion of the project and the execution of all the duties and obligations imposed by the contract.

1.38 WORKING DAY - Any day, except Saturdays, Sundays and State holidays.

SECTION 2 - PROPOSAL REQUIREMENTS AND CONDITIONS

2.1 PROPOSAL FORMS - All proposals shall be made on forms furnished by the Department. All proposals shall give the prices proposed in the spaces provided and shall be signed by the bidder, who shall fill out all blanks in the proposal form as therein required.

2.2 REJECTION OF PROPOSALS CONTAINING ALTERATIONS, ERASURES, OR IRREGULARITIES - Proposals may be rejected if they show any alterations of form, additions not called for, conditional bids, incomplete bids, erasures, or irregularities of any kind.

When proposals are signed by any agent, other than the officer or officers of a corporation authorized to sign contract on its behalf or a member of copartnership, a Power of Attorney must be on file with the Department prior to opening bids or shall be submitted with the proposal; otherwise, the proposal may be rejected as irregular and unauthorized.

Members of a joint venture may be requested to supply the Department with a copy of their joint venture agreement or each member of the joint venture may be required to sign the proposal.

2.3 DELIVERY OF PROPOSALS - Each proposal shall be placed, together with the proposal guaranty, when required, in an envelope and sealed and so marked as to indicate the identity of the project, the name and address of the bidder, and other required information and then delivered as indicated in the Notice to Bidders. Proposals will be received up to the time fixed in the Notice to Bidders for the opening of bids.

2.4 WITHDRAWAL OF PROPOSALS - Any proposal may be withdrawn at any time prior to the time fixed in the Notice to Bidders for the opening of proposals upon the filing of a written request therefor with the Department, executed by the bidder or his duly authorized representative. The withdrawal of a proposal shall not preclude a bidder from submitting a new proposal.

2.5 PUBLIC OPENING OF PROPOSALS - Proposals will be opened and read publicly at the time and place indicated in the Notice to Bidders. Bidders or their authorized agents are invited to be present.

2.6 DISQUALIFICATION OF BIDDERS - Any of the following reasons may be considered as being sufficient grounds for the disqualification of a bidder and the rejection of his proposal or proposals.

A. More than one proposal for the same work from an individual, firm, or corporation under the same or different name.

B. Evidence of collusion among bidders. Participants in such collusion will receive no recognition as bidders for any future work of the Department until such participant shall have been reinstated as a qualified bidder.

C. Evidence of assistance from a person who has been an employee of the agency within the preceding two years and who participated while in State office or employment in the matter with which the contract is directly concerned, pursuant to Section 84-15, HRS.

D. Lack of proposal guaranty.

E. Unsigned proposal or proposal not signed in ink by person or persons legally authorized to submit a proposal on behalf of the bidder.

2.7 MATERIAL GUARANTY - The bidder may be required to furnish a complete statement of the origin, composition and manufacture of any or all materials to be used in the prosecution of the work, together with samples. Such samples may be subjected to tests to determine their quality and fitness for the work.

2.8 OUT-OF-STATE BIDDERS - Pursuant to Section 103D-1008, Hawaii Revised Statutes, on out-of-state purchases where the bidder or vendor is an out-of-state vendor, not doing business in the State, the bid price of such out-of-state vendor, for the purpose of determining the lowest price bid, shall be increased by the applicable retail rate of general excise tax and the applicable use tax. The lowest responsible bidder, taking into consideration the above increases, shall be awarded the contract, but the contract amount of any contract awarded shall be the amount of the bid offered and shall not include the amount of said increases.

Such increases will not be applied in case an out-of-state vendor specifies in its bid that its bid price includes said general excise tax; the bidder will be required to pay said general excise tax and use tax in case the bidder is awarded the contract.

2.9 TAX REQUIREMENTS - Work to be done under this contract is a taxable transaction and the bidder receiving the award for this work will be required to pay the State of Hawaii General Excise Tax (GET) and the State of Hawaii use Tax.

Additional information regarding the tax rates may be obtained from the Department of Taxation (DOTAX) website at <http://tax.hawaii.gov/geninfo/countysurcharge/>

If awardee is an out-of-state bidder not holding a Hawaii GET License, the awardee will have to obtain a Hawaii GET License and pay all taxes due to obtain a tax clearance required before final contract payment is made by the State.

To obtain the tax clearance applications, see subsection 3.1.A. Tax Clearance of these Specifications.

Vendors may apply for either a regular or a one-time GET License. Information on applying for a GET License may be found at <http://tax.hawaii.gov/geninfo/get/>

SECTION 3 - AWARD AND EXECUTION OF CONTRACT

3.1 AWARD OF CONTRACT - The State reserves the right to reject any and all proposals and to waive any defects as may be deemed to be in the best interest of the public.

The award of contract, if it be awarded, will be made within sixty (60) calendar days after the opening of bids to the lowest responsive and responsible bidder whose proposal complies with all the prescribed requirements. The successful bidder will be notified, by letter mailed to the address shown on its proposal, that its proposal has been accepted and it has been awarded the contract.

Requirement for award. To be eligible for award, the apparent low Bidder will be contacted to submit copies of the documents listed below to demonstrate compliance with Section 103D-310(c), HRS. The documents should be submitted to the Department as soon as possible. If a valid certificate/clearance is not submitted on a timely basis for award of a contract, a Bidder otherwise responsive and responsible may not receive the award.

A. Tax Clearance.

Pursuant to §103D-310(c), 103-53 and 103D-328, HRS, the successful bidder shall be required to submit a certified copy of its tax clearance issued by the Hawaii State Department of Taxation (DOTAX) and the Internal Revenue Service (IRS) to demonstrate its compliance with Chapter 237, HRS. A tax clearance is valid for six (6) months from the most recent approval stamp date on the tax clearance and must be valid on the bid's first legal advertisement date or any date thereafter up to the bid opening date.

FORM A6, TAX CLEARANCE CERTIFICATE, is available at the following website:

<http://www.hawaii.gov/tax/>

To receive DOTAX Forms by fax or mail, phone (808)587-7572 or 1-800-222-7572.

The application for the Tax Clearance Certificate is the responsibility of the bidder, and must be submitted directly to the DOTAX or IRS. The approved certificate may then be submitted to the Department.

B. DLIR Certificate of Compliance.

Pursuant to §103D-310(c), HRS, the successful bidder shall be required to submit a copy (faxed copies are acceptable) of its approved Certificate of Compliance issued by the Hawaii State Department of Labor and Industrial Relations (DLIR) to demonstrate its compliance with unemployment insurance (Chapter 383, HRS), workers' compensation (Chapter 386, HRS), temporary disability insurance (Chapter 392, HRS), and prepaid health care (Chapter 393, HRS). The certificate is valid for six (6) months from the most recent approval stamp date on the certificate and must be valid on the bid's first legal advertisement date or any date thereafter up to the bid opening date. For certificates which receive a "pending" approval stamp, a DLIR approval stamp is required prior to the issuance of the Notice to Proceed.

FORM LIR#27, APPLICATION FOR CERTIFICATE OF COMPLIANCE WITH SECTION 3-122-112, HAR, is available at the following website:

www.hawaii.gov/labor

More information is available by calling the DLIR Unemployment Insurance Division at (808) 586-8926.

Inquiries regarding the status of a LIR#27 Form may be made by calling the DLIR Disability Compensation Division at (808)586-9200.

The application for the Certificate of Compliance is the responsibility of the bidder, and must be submitted directly to the DLIR. The approved certificate may then be submitted to the Department.

C. DCCA Certificate of Good Standing.

Pursuant to §103D-310(c), HRS, the successful bidder shall be required to submit a copy (faxed copies are acceptable) of its approved Certificate of Good Standing issued by the Hawaii State Department of Commerce and Consumer Affairs (DCCA), Business Registration Division (BREG) to demonstrate that it is either:

- (1) incorporated or organized under the laws of the State; or
- (2) registered to do business in the State as a separate branch or division that is

capable of fully performing under the contract.

A Certificate of Good Standing is valid for six (6) months from the approval date on the certificate and must be valid on the bid's first legal advertisement date or any date thereafter up to the bid opening date. A Hawaii business that is a sole proprietorship, is not required to register with the BREG, and therefore not required to submit a Certificate of Good Standing. Bidders are advised that there are costs associated with registering and obtaining a Certificate of Good Standing from the DCCA.

To purchase a CERTIFICATE OF GOOD STANDING, go to On-Line Services at the following website:

www.hawaii.gov/dcca/

The application for the Certificate of Good Standing is the responsibility of the bidder, and must be submitted directly to the DCCA. The approved certificate may then be submitted to the Department.

3.2 CANCELLATION OF AWARD - The State reserves the right to cancel the award of any contract any time before the execution of said contract by all parties without any liability to the successful bidder or any other bidder.

3.3 EXECUTION OF CONTRACT - The contract shall be executed by the successful bidder and returned, together with the contract bonds, when required, within ten (10) days after the award of the contract or within such further time as the Director may allow after the bidder has received the contract for execution.

Pursuant to Section 103D-309, H.R.S., the contract shall not bind the State in any way unless said contract has been fully and properly executed by all the parties thereto and the Comptroller has endorsed thereon a certificate that there is available an unexpended appropriation over and above all outstanding contracts, sufficient to cover the amount required by the contract.

3.4 FAILURE TO EXECUTE CONTRACT - Failure to execute the contract and file acceptable bonds, when required, within ten (10) days after the award of the contract, or within such further time as the Director may allow, shall be cause for the cancellation of the award and the forfeiture of the proposal guaranty. Award of the contract may then be made to the next lowest responsible bidder.

SECTION 4 - SCOPE OF WORK

4.1 WORK TO BE DONE - The work to be done is described in the Section(s) following Section 9 of these specifications.

4.2 PERFORMANCE OF WORK - The Contractor shall employ, so far as possible, such methods and means in carrying out his work so as not to cause any interruption, disturbance, or interference with the public.

In case the Contractor is performing work in a building, the Contractor shall conduct the work in such a manner so as not to cause any interruption, disturbance, or interference with the business activities of the tenants in the building.

4.3 EXTRA WORK - New and unforeseen items of work will be classed as extra work when they cannot be covered by any of the various items for which there is a bid price.

4.4 CHANGES AND CLAIMS FOR ADJUSTMENT

A. Change order. By a written order, at any time, and without notice to any surety, the procurement officer may, subject to all appropriate adjustments, make changes within the general scope of this contract in any one or more of the following:

1. Drawings, designs, or specifications, if the goods to be furnished are to be specially manufactured for the State in accordance therewith;
2. Method of shipment or packing;
3. Place of delivery;
4. Changes in the work within the scope of the contract; or
5. Changes in the time of performance of the contract that do not alter the scope of work.

B. Adjustments of price or time for performance. If any change order increases or decreases the contractor's cost of, or the time required for, performance of any part of the work under this contract, whether or not changed by the order, an adjustment shall be made and the contract modified in writing accordingly. Any adjustment in contract price made pursuant to this clause shall be determined in accordance with the price adjustment clause of this contract. Failure of the parties to agree to an adjustment shall not excuse the contractor from proceeding with the contract as changed, provided that the procurement officer promptly and duly make the provisional adjustments in payment or time for performance as may be reasonable. By proceeding with the work, the contractor shall not be deemed to have

prejudiced any claim for additional compensation, or an extension of time for completion.

C. Time period for claim. Within thirty (30) days after receipt of a written change order under subsection (a) unless the period is extended by the procurement officer in writing, the contractor shall file notice of intent to assert a claim for an adjustment. Later notification shall not bar the contractor's claim unless the State or county is prejudiced by the delay in notification.

D. Claim barred after final payment. No claim by the contractor for an adjustment hereunder shall be allowed if notice is not given prior to final payment under this contract.

E. Other claims not barred. In the absence of a change order, nothing in this clause shall be deemed to restrict the contractor's right to pursue a claim as under the contract or for breach of contract.

4.5 PRICE ADJUSTMENT

Any adjustment in contract price pursuant to a clause in this contract shall be made in one or more of the following ways:

A. By agreement on a fixed price adjustment before commencement of the pertinent performance or as soon thereafter as practicable;

B. By unit prices specified in the contract or subsequently agreed upon;

C. By the costs attributable to the event or situation covered by the clause, plus appropriate profit or fee, all as specified in the contract or subsequently agreed upon;

D. In such other manner as the parties may mutually agree; or

E. In the absence of agreement between the parties, by a unilateral determination by the procurement officer of the costs attributable to the event or situation covered by the clause, plus appropriate profit or fee, all as computed by the procurement officer in accordance with generally accepted accounting principles and applicable sections of chapters 3-123 and 3-126 of the Hawaii Administrative Rules.

4.6 VARIATION IN QUANTITY

Upon agreement of the parties, the quantity of goods or services or both specified in this contract may be increased by a maximum of ten (10) percent provided (1) the unit prices will remain the same except for any price adjustments otherwise applicable and (2) the procurement officer makes a written determination that such an increase will either be more economical than awarding another contract or that it would not be practical to award another contract.

SECTION 5 - CONTROL OF WORK

5.1 AUTHORITY OF DIRECTOR - The Director shall decide all questions which may arise as to the quality or acceptability of materials furnished and work performed, the manner of performance and rate of progress of the work, and compensation for work performed, interpretation of the contract and fulfillment of the contract on the part of the Contractor. The Director shall have authority to enforce and make effective such decisions and orders which the Contractor fails to carry out properly and diligently. The decision of the Director shall be final.

5.2 COORDINATION OF PLANS, SPECIFICATIONS AND SPECIAL PROVISIONS - These specifications, plans, special provisions, and all supplementary documents are essential parts of the contract, and a requirement occurring in one is as binding as though occurring in all. They are intended to be complementary and to describe and provide for a complete work.

5.3 CLAIMS AND DISPUTES - The Contractor may give notice in writing to the procurement officer for claims that extra compensation, damages, or an extension of time for completion is due the Contractor for one or more of the following reasons:

- A. Requirements not clearly covered in the contract, or not ordered by the procurement officer as an extra work;
- B. Failure between the State and the Contractor to agree to an adjustment in price for a contract change order issued by the State; or
- C. An action or omission on the part of the procurement officer requiring performance changes within the scope of the contract.

The Contractor shall continue with performance of the contract in compliance with the directions or orders of the procurement officer, but by so doing, the Contractor shall not be deemed to have prejudiced any claim for additional compensation, damages, or an extension of time for completion; provided:

- A. The notice in writing be given:
 - 1. Before the commencement of the work involved, if at that time the Contractor knows of such requirements or the occurrence of such actions or omissions; or
 - 2. Within thirty (30) calendar days after the

Contractor knows of such requirements or the occurrence of such action or omission if the Contractor did not have such knowledge before the commencement of the work; or

3. Within thirty (30) calendar days after receipt of the written contract change order that was not agreed upon by both parties; or

4. Within such further time as may be allowed by the procurement officer in writing.

B. The notice shall clearly state the Contractor's intention to make claim and the reasons why the Contractor believes that additional compensation, changes or an extension of time may be remedies to which the Contractor is entitled; and afford the procurement officer every facility for keeping records of the actual cost of work. Failure on the part of the Contractor to give such notification or to afford the procurement officer proper facilities for keeping strict account of actual cost shall constitute waiver of the claim for such extra compensation. The filing of such notice by the Contractor and the keeping of costs by the procurement officer shall not in any way be construed to prove the validity of the claim.

The procurement officer will review the notice and render a decision. The procurement officer's decision shall be final and conclusive unless, within thirty (30) calendar days from the date of the decision, the Contractor mails or otherwise furnishes a written appeal to the Director. The decision of the Director shall be final. Later notification of such claims shall not bar the Contractor's claim unless the State is prejudiced by the delay in notification. No claim by the Contractor for an adjustment hereunder shall be allowed if notice is not given before final payment under this contract. Any adjustment in the contract price made pursuant to this clause shall be determined according to Section 4.5 - Price Adjustment.

The provisions of this Section shall not be construed as establishing any claims contrary to the terms of Section 4.4 - Changes and Claims for Adjustment.

Nothing herein contained, however, shall excuse the Contractor from compliance with any rules of law precluding any state officers and any Contractors from acting in collusion or bad faith in issuing or performing contract change orders which are clearly not within the scope of the contract.

SECTION 6 - CONTROL OF MATERIAL AND EQUIPMENT

6.1 DEFECTIVE MATERIALS - All materials not conforming to the requirements of these specifications or the special provisions shall be considered defective and all such materials, whether in place or not, shall be rejected. They shall be removed immediately from the site of the work, unless otherwise permitted by the Director. No rejected materials, the defects of which have been subsequently corrected, shall be used until approval in writing has been given by the Director. Upon failure on the part of the Contractor to comply promptly with any order to remove and replace defective materials, the Director may remove and replace defective material and to deduct the cost of removal and replacement from any monies due or to become due the Contractor.

6.2 TRADE NAMES AND ALTERNATES - For convenience in designation on the plans or in the specifications, certain equipment or articles or materials may be designated under a trade name or the name of a manufacturer and its information catalogue. The use of alternate equipment or an article or material which is of equal quality and of the required characteristics for the purposes intended will be permitted, subject to the written approval of the Director, in accordance with the following requirements:

A. QUALIFICATION BEFORE BID OPENING - When the specifications and/or plans specify one or more manufacturer's brand names of materials or equipment to indicate a quality, style, appearance, or performance, the bidder will be assumed to have based its bid on one of the specified named products, except where such proprietary product are specified, alternate brands may be qualified if found equal or better by the Director. Bidders requesting qualification of alternate proprietary products must submit a request to the Director for review and approval at the earliest date possible, but in any event, such request must be received at the Contracts office not later than ten (10) days before the bid opening date, not including the bid opening date.

It shall be the responsibility of the bidder to submit sufficient evidence based upon which a determination can be made by the Director that the alternate brand is qualified. The evidence shall be transmitted with a covering letter which shall list the evidence submitted and the items for which the substitution is requested.

If the evidence accompanying a request for substitution is insufficient to qualify a particular

model, the request shall be denied provided that further evidence may be submitted to qualify the item five (5) days prior to the bid opening date if the initial request was made prior to the deadline set above.

B. SUBSTITUTION AFTER BID OPENING - Substitution of material or equipment will not be allowed after the bid opening date except under the following unforeseen circumstances:

1. If a specified or pre qualified item is delayed by a lengthy strike in the factory or other unforeseeable contingency beyond the control of the Contractor which would cause an abnormal delay in the project completion.

2. If a specified or pre qualified item is found to be unusable due to change or other circumstances.

3. If the Contractor is willing to provide a more recently developed or manufactured item of material or equipment of the same manufacturer which the Director determines to be equal or better than the one specified or pre-qualified.

A substitution request, regardless of reason, shall be fully explained in writing by the Contractor and shall include its justification for said request, the quantities and unit prices involved, quotations and such other documents as are deemed necessary to support the request. Any savings in cost will accrue to the State and any additional cost for the substituted items will be paid by the Contractor.

The burden of proof as to the comparative quality and suitability of alternate equipment, articles, or materials shall be upon the bidder or Contractor and bidder or Contractor shall furnish, at its own expense, all information necessary or related thereto as required by the Director. The Director shall be the sole judge as to the comparative quality and suitability of alternate equipment, articles or materials and the Director's decisions shall be final.

The above shall not be construed to mean that substitution for brand name specified materials and equipment will be allowed; the Director reserves the right to deny any request he deems irregular or not in the best interest of the State.

6.3 ASSIGNMENT OF ANTITRUST CLAIMS FOR OVERCHARGES FOR GOODS AND MATERIALS PURCHASED

A. Vendor and purchaser recognize that in actual economic practice, overcharges resulting from antitrust violations are in fact usually borne by the purchaser. Therefore, vendor hereby assigns to purchaser any and all claims for such overcharges as to goods and materials purchased in connection with this order or contract, except as to overcharges which result from antitrust violations commencing after the price is established under this order or contract and which are not passed on to the purchaser under an escalation clause.

B. Contractor and owner recognize that in actual economic practice, overcharges resulting from antitrust violations are in fact usually borne by the owner. Therefore, contractor hereby assigns to owner any and all claims for such overcharges as to goods and materials purchased in connection with this order or contract, except as to overcharges which result from antitrust violations commencing after the price is established under this order or contract and any change order. In addition, contractor warrants and represents that each of its first tier suppliers and subcontractors shall assign any and all such claims to owner, subject to the aforementioned exception.

SECTION 7 - LEGAL RELATIONS AND RESPONSIBILITY

7.1 LAWS TO BE OBSERVED - The Contractor shall comply with all federal, state, city and county laws, ordinances, rules and regulations which in any manner affect those engaged or employed in the work, the materials used in the work, and the conduct of the work. Any reference to such laws, ordinances, rules and regulations shall include any amendments thereto effective as of the date of the call for sealed proposals.

The Contractor shall hold harmless, indemnify, defend and where appropriate, insure the State, its officers, agents and employees against any claim or liability arising from or based on the violation of any such laws, ordinances, rules or regulations. If any discrepancy or inconsistency is discovered in the contract for the work in relation to any law, ordinance, rule, regulation, order or decree, the Contractor shall forthwith report the same to the Director in writing.

7.2 PERMITS AND LICENSES - The Contractor shall procure all permits and licenses, pay all charges and fees, and give all notices necessary and incident to the due and lawful prosecution of the work.

7.3 PATENTS - The Contractor shall assume all costs arising from the use of patented materials, equipment, devices, or processes used on or incorporated in the work, and shall hold harmless, indemnify, defend and where appropriate, insure the State, its officers, agents and employees from all suits at law or actions of every nature, for or on account of the use of any patented materials, equipment, devices or processes.

7.4 RESPONSIBILITY FOR INJURY AND DAMAGE - The State, its officers, agents and employees shall not be held accountable in any manner for any loss or damage to the work or any part thereof, or for any of the materials and equipment used or employed in performing the work, or for any injury to any person or persons either workers or the public, or for any damage to property caused by the Contractor or its workers or any one employed by the Contractor. The Contractor shall be responsible for any liability imposed by law for any injury to any person or any damage to property resulting from defects or obstructions or from any cause whatsoever during the progress of the work or at any time before its completion and final acceptance. The acceptance of the completed work of the Contractor by the Director shall not relieve the Contractor from any liability which may have accrued or may accrue as a result of the performance of the work by the Contractor. The Contractor shall hold harmless, indemnify, defend and where appropriate, insure the State, its officers, agents and employees, from all suits or actions of every name, kind and description, brought for or on account of

any injuries or damages sustained by any persons or property caused by the Contractor, its servants or agents, or by or on account of any act or omission of the Contractor or its servants or agents, regardless of whether such actions or any claim is brought against them or any one of them before or after the final acceptance of the work. In addition to any remedy authorized by law, the State may withhold payment of any money due to Contractor as shall be reasonable until disposition has been made of any suits or claims for injuries or damages.

It is not the intention of the parties to this contract to make the public or any member thereof a third party beneficiary hereunder, or to authorize anyone not a party hereto to maintain a suit for personal injuries or property damage based on a contract theory of liability. In any event, the Contractor shall hold harmless, indemnify, defend and where appropriate, insure the State from suits and claims for personal injuries or property damage where such injuries or damage are caused by the negligent acts or omissions of the Contractor, its agents or employees.

7.5 COOPERATION BETWEEN CONTRACTORS - Where two or more Contractors are employed on related or adjacent work, each shall conduct its operations in such a manner as not to cause any unnecessary delay or hindrance to the other.

7.6 CONTRACTOR'S RESPONSIBILITY FOR WORK - Until the acceptance of the contract, the Contractor shall have the charge and care thereof and shall bear the risk of injury or damage to any part thereof by the action of the elements or from any other cause, whether arising from the execution or from the non-execution of the work. The Contractor shall rebuild, repair, restore, and make good all damages to any portion of the work occasioned by any of the above causes before its completion and acceptance and shall bear the expenses thereof.

7.7 NO PERSONAL LIABILITY - Neither the Director nor any other officer or authorized employee of the Department shall be personally responsible for any liability arising under the contract.

7.8 INSURANCE - Prior to commencing with the work, the Contractor shall, at its own expense, obtain and submit to the Department, Certificate of Insurance from an insurance company authorized by the laws of the State to issue such insurance in the State of Hawaii showing full policy coverage of the Contractor.

TYPES OF INSURANCE:

A. Workers' Compensation:

The Contractor shall obtain worker's compensation insurance for all persons whom they employ in carrying out the work under this contract. This insurance shall be in strict conformity with the requirements of the most current and applicable State of Hawaii Worker's Compensation Insurance laws in effect on the date of the execution of this contract and as modified during the duration of the contract. The minimum limit of liability for workers compensation is the HRS 386 statutory limit.

B. Comprehensive Automobile Liability:

The Contractor shall obtain Auto Liability Insurance covering all owned, non-owned and hired autos with a combined single Limit of not less than \$1,000,000 per accident for bodily injury and property damage with the State of Hawaii named as additional insured. The required limit of insurance may be provided by a single policy or with a combination of primary and excess policies.

C. Commercial General Liability:

The Contractor shall obtain General Liability insurance with a limit of not less than \$1,000,000 per occurrence and in the aggregates. The General liability insurance shall include the State of Hawaii as an additional insured. The required limit of insurance may be provided by a single policy or with a combination of primary and excess policies.

All policies must provide that 30 days prior written notice of cancellation or material change in coverage be given to certificate holders stated above.

Such insurance when accepted by the Director in writing shall become applicable and shall remain unmodified throughout the entire term of the contract and in no event shall be terminated or otherwise allowed to lapse prior to written certification of final acceptance of the work by the State. Such insurance aforementioned shall cover the State for all work performed under the contract, all work performed incidental thereto or directly or indirectly connected therewith, including other work performed outside of the work area, and all change orders.

Any delay in the submission and approval of insurance certificates shall not be justification of or grounds for a request by the Contractor postponing the issuance of a notice to proceed notwithstanding the fact that the Contractor shall not be allowed to proceed with the work until said certificates are submitted and approved.

Failure to obtain insurance in accordance with the Section, on the part of the Contractor, shall be considered a major breach of the contract; and should the State be forced to expend funds which would have been covered under the insurance, the Contractor agrees to assume the liability for such funds and to indemnify and hold the State harmless.

SECTION 8 - PROSECUTION AND PROGRESS

8.1 PROGRESS OF WORK - The Contractor shall diligently prosecute the work to completion within the time limit specified in the proposal. The Contractor shall give its personal attention to the fulfillment of the contract and shall keep the work under its control. Work shall commence on the date indicated in the "Notice to Proceed" letter from the State.

8.2 LIQUIDATED DAMAGES - Time is of the essence in this contract and in case the Contractor fails to complete the work within the time specified in the proposal, damages will be sustained by the State. Since the amount of damages is difficult and not possible of definite ascertainment and proof, the amount of such damages are fixed in advance at the sum shown in the proposal for each and every calendar (or working) day which the Contractor has delayed in the completion of this contract; and the Contractor shall pay such amount as liquidated damages, and not by way of penalty, and in case the same are not paid, the State may deduct such amount thereof from any monies due or that may become due the Contractor under this contract.

If the Contractor finds it impossible for reasons beyond its control to complete the work within the contract time as specified, the Contractor shall, within 10 days from the first day of notification from the manufacturer or supplier of any delay and prior to the expiration of the contract time, make a written request to the Director for an extension of time setting forth therein the reasons which the Contractor believes will justify the granting of its request.

The Contractor's plea that insufficient time was specified is not a valid reason for extension of time. If the Director finds that the work was delayed because of conditions beyond the control and without the fault of the Contractor, the Director may extend the time for completion in such extension as the conditions justify. The extended time for completion shall then be in full force and effect the same as though it were the original time for completion.

8.3 TEMPORARY SUSPENSION OF WORK

A. Order to stop work. The Director, may, by written order to the contractor, at any time, and without notice to any surety, require the contractor to stop all or any part of the work called for by this contract. This order shall be for a specified period not exceeding sixty (60) days after the order is delivered to the contractor, unless the parties agree to any further period. Any such order shall be identified specifically as a stop work order issued pursuant to this section. Upon receipt of such an order, the contractor shall forthwith comply with its terms and take all reasonable steps to minimize the occurrence of costs allocable to

the work covered by the order during the period of work stoppage. Before the stop work order expires, or within any further period to which the parties shall have agreed, the Director shall either:

1. Cancel the stop work order; or
2. Terminate the work covered by such order as provided in the "termination for default clause" or the "termination for convenience clause" of this contract.

B. Cancellation or expiration of the order. If a stop work order issued under this section is canceled or if the period of the order or any extension thereof expires, the contractor shall have the right to resume work. An appropriate adjustment shall be made in the delivery schedule or contract price, or both, and the contract shall be modified in writing accordingly; if:

1. The stop work order results in an increase in the time required for, or in the contractor's cost properly allocable to, the performance of any part of this contract; and
2. The contractor asserts a claim for such an adjustment within thirty (30) days after the end of the period of work stoppage; provided that, if the Director decides that the facts justify such action, any such claim asserted may be received and acted upon at any time prior to final payment under this contract.

C. Termination of stopped work. If a stop work order is not canceled and the work covered by such order is terminated for default or convenience, the reasonable costs resulting from the stop work order shall be allowable by adjustment or otherwise.

D. Adjustment of price. Any adjustment in contract price made pursuant to this clause shall be determined in accordance with the price adjustment clause of this contract.

8.4 DEFAULT AND TERMINATION OF CONTRACT

A. Termination by Default. If the contractor refuses or fails to perform any of the provisions of this contract with such diligence as will ensure its completion within the time specified in this contract, or any extension thereof, otherwise fails to timely satisfy the contract provisions, or commits any other substantial breach of this contract, the Director may notify the contractor in writing of the delay or non-performance and if not cured in ten (10) days or any

longer time specified in writing by the Director, such officer may terminate the contractor's right to proceed with the contract or such part of the contract as to which there has been delay or a failure to properly perform. In the event of termination in whole or in part the Director may procure similar goods or services in the manner and upon terms deemed appropriate by the Director. The contractor shall continue performance of the contract to the extent it is not terminated and shall be liable for excess costs incurred in procuring similar goods or services.

1. Contractor's duties. Notwithstanding termination of the contract and subject to any directions from the Director, the contractor shall take timely, reasonable, and necessary action to protect and preserve property in the possession of the contractor in which the State or county has an interest.

2. Compensation. Payment for completed goods delivered and accepted by the State shall be at the contract price. Payment for the protection and preservation of property shall be in an amount agreed upon by the contractor and Director; if the parties fail to agree, the Director shall set an amount subject to the contractor's rights under chapter 3-126, HAR. The State may withhold from amounts due the contractor such sums as the Director deems to be necessary to protect the State against loss because of outstanding liens or claims of former lien holders and to reimburse the State for the excess costs incurred in procuring similar goods and services.

3. Excuse for nonperformance or delayed performance. Except with respect to defaults of subcontractors, the contractor shall not be in default by reason of any failure in performance of this contract in accordance with its terms, including any failure by the contractor to make progress in the prosecution of the work hereunder which endangers such performance, if the contractor has notified the Director within fifteen (15) days after the cause of the delay and the failure arises out of causes such as: acts of God; acts of the public enemy; acts of the State and any other governmental body in its sovereign or contractual capacity; fires; floods; epidemics; quarantine restrictions; strikes or other labor disputes; freight embargoes; or unusually severe weather. If the failure to perform is caused by the failure of a subcontractor to perform or to make progress, and if such failure arises out of causes similar to those set forth above, the contractor shall not be

deemed to be in default, unless the goods or services to be furnished by the subcontractor were unreasonably obtained from other sources in sufficient time to permit the contractor to meet the contract requirements. Upon request of the contractor, the Director shall ascertain the facts and extent of such failure, and if such officer determines that any failure to perform was occasioned by any one or more of the excusable causes, and that, but for the excusable cause, the contractor's progress and performance would have met the terms of the contract, the delivery schedule shall be revised accordingly, subject to the rights of the State under the clause entitled "Termination for Convenience". As used in this paragraph of this clause, the term "subcontractor" means subcontractor at any tier.

4. Erroneous termination for default. If, after notice of termination of the contractor's right to proceed under the provisions of this clause, it is determined for any reason that the contractor was not in default under the provisions of the clause, or that the delay was excusable under the provisions of paragraph (3), Excuse for nonperformance or delayed performance of this clause, the rights and obligations of the parties shall, if the contract contains a clause providing for termination for convenience of the State, be the same as if the notice of termination had been issued pursuant to such clause.

5. Additional rights and remedies. The rights and remedies provided in this clause are in addition to any other rights and remedies provided by law or under this contract.

B. Termination for convenience. The Director may, when the interests of the State so require, terminate this contract in whole or in part, for the convenience of the State. The Director shall give written notice of the termination to the contractor specifying the part of the contract terminated and when termination becomes effective.

1. Contractor's obligation. The contractor shall incur no further obligations in connection with the terminated work and on the dates set in the notice of termination the contractor will stop work to the extent specified. The contractor shall also terminate outstanding orders and subcontracts as they relate to the terminated work. The contractor shall settle the liabilities and claims arising out of the termination of subcontracts and orders connected with the terminated work. The Director

may direct the contractor to assign the contractor's right, title, and interest under terminated orders or subcontracts to the State. The contractor must still complete the work not terminated by the notice of termination and may incur obligations as are necessary to do so.

2. Right to goods. The Director may require the contractor to transfer title and deliver to the State in the manner and to the extent directed by the procurement officer:

- a. Any completed goods; and
- b. The partially completed goods and materials, parts, tools, dies, jigs, fixtures, plans, drawings, information, and contract rights hereinafter called "manufacturing material," as the contractor has specifically produced or specially acquired for the performance of the terminated part of this contract.

The contractor shall, upon direction of the Director, protect and preserve property in the possession of the contractor in which the State has an interest. If the Director does not exercise this right, the contractor shall use the contractor's best efforts to sell such goods and manufacturing materials. Use of this section in no way implies that the State has breached the contract by exercise of the termination for convenience clause.

3. Compensation:

a. The contractor shall submit a termination claim specifying the amounts due because of the termination for convenience together with cost or pricing data to the extent required by subchapter 15, chapter 3-122, HAR, bearing on such claim. If the contractor fails to file a termination claim within one (1) year from the effective date of termination, the Director may pay the contractor, if at all, an amount set in accordance with subparagraph c. below.

b. The Director and the contractor may agree to settlement provided the contractor has filed a termination claim supported by cost or pricing data to the extent required by subchapter 15, chapter 3-122, HAR, and that the settlement does not exceed the total contract price plus settlement costs reduced by payments previously made by the State, the

proceeds of any sales of goods and manufacturing materials under paragraph (2) of this clause, and the contract price of the work not terminated.

c. Absent complete agreement under subparagraph b above, the Director shall pay the contractor the following amounts, provided payments agreed to under subparagraph b. shall not duplicate payments under this subparagraph for the following:

(i) Contract prices for goods or services accepted under the contract;

(ii) Costs incurred in preparing to perform and performing the terminated portion of the work plus a fair and reasonable profit on such portion of the work, such profit shall not include anticipatory profit or consequential damages, less amounts paid or to be paid for accepted goods or services; provided that if it appears that the contractor would have sustained a loss if the entire contract would have been completed, no profit shall be allowed or included and the amount of compensation shall be reduced to reflect the anticipated rate of loss;

(iii) Costs of settling and paying claims arising out of the termination of subcontracts or orders pursuant to paragraph (1) of this clause. These costs must not include costs paid in accordance with subparagraph (ii) above.

(iv) The reasonable settlement costs of the contractor including accounting, legal, clerical, and other expenses reasonably necessary for the preparation of settlement claims and supporting data with respect to the terminated portion of the contract and for the termination of subcontracts thereunder, together with reasonable storage, transportation, and other costs incurred in connection with the protection or disposition of property allocable to the terminated portion of this contract. The total sum to be paid the contractor under this subparagraph shall not exceed the total contract price plus the reasonable settlement cost of the contractor reduced by the amount of

payments otherwise made, the proceeds of any sales of supplies and manufacturing materials under subparagraph b. of this paragraph, and the contract price of work not terminated.

d. Cost claimed, agreed to, or established under subparagraphs b. and c. shall be in accordance with chapter 3-123, H.A.R. bearing on such claim.

8.5 TERMINATION OF CONTRACTOR'S RESPONSIBILITY - The contract will be considered complete when all work has been completed, the work accepted by the Director, and the final estimate paid. The Contractor will then be released from further obligation except as set forth in the contract and bond, when applicable.

SECTION 9 - PAYMENT

9.1 PAYMENT - The Contractor's bid price shall be inclusive of all costs, direct or indirect, including all taxes, required for the fulfillment of this contract.

Contract payments to the Contractor by the State shall be full payment, for furnishing all labor, and for furnishing and delivering all equipment, materials, supplies and other incidentals to the location(s) designated in these specifications.

9.2 PROGRESS PAYMENTS - If more than one shipment is required under these specifications, progress payments may be made to the Contractor after each shipment, provided the equipment materials, supplies, etc., furnished and delivered have satisfactorily met the requirements of these specifications. Five per cent (5%) of the amount of each progress payment shall be retained by the Department until the final acceptance of the work.

To expedite processing of all payments, for item(s) furnished and delivered to the Department, the Contractor shall forward an original and one copy of invoice with each shipment made to the recipient office.

Each invoice shall contain the following:

- A. Vendor's name, address and phone number.
- B. Contract or Purchase Order No.
- C. Description of item, the quantity, unit or lump sum price, sub-total and total.

9.3 FINAL ACCEPTANCE AND FINAL PAYMENT - Final acceptance means the acceptance in writing by the Director of the satisfactory completion of the work as provided under Section 8.5 followed by final payment in accordance with the Director's final estimate. The Department shall make final acceptance and payment promptly after the contract has been satisfactorily completed and final inspection made.

No payment will be made for any work which was not authorized by the Director in writing.

Final payment shall be made only after the issuance of the notice of final acceptance and after the Contractor has filed with the Director the following:

- A. Consent of the Contractor's surety, when applicable, of the final payment;

B. Satisfactory evidence by affidavit that all debts resulting from the contract have been fully paid or satisfactorily secured;

C. A current "Certificate of Vendor Compliance" issued by the Hawaii Compliance Express (HCE). The Certificate of Vendor Compliance is used to certify the Contractor's compliance with (a) Section 103D-328, HRS (for all contracts \$25,000 or more) which requires a current tax clearance certificate issued by the Hawaii State Department of Taxation and the Internal Revenue Service; (b) Chapters 383, 386, 392, and 393, HRS; and (c) Subsection 103D-310(c), HRS. The State reserves the right to verify that compliance is current prior to the issuance of final payment. Contractors are advised that non-compliance status will result in final payment being withheld until compliance is attained.

The filing of willfully false affidavits will disqualify the Contractor from bidding on future work of the Department.

SECTION 10-GENERAL SPECIFICATIONS FOR MOTOR VEHICLES

10.1 GENERAL DESCRIPTION

The Contractor shall furnish and deliver herein described vehicles to various agencies statewide.

10.2 GENERAL SPECIFICATIONS

A. Bid Requirements

The following requirements are due at the time of bid opening and must be submitted with bid. Failure to conform to these requirements shall result in the rejection of bid items that are missing the required information.

1. The Bidder shall complete the Year, Make, Manufacturer, Model Name and Number, the Unit Bid Price, Applicable Taxes, and the Total Amount for Comparison Bids for each bid item in the Proposal Schedule it intends to submit prices for. **Bid prices shall include all Federal, State, and local taxes, and shall also include applicable fees, charges, surcharges, licensing, shipping/handling, delivery, and any other charges associated with this solicitation**
2. The Bidder shall provide for warranty, maintenance and repair service information for the proposed vehicle chassis, body and equipment on the island the motor vehicle is operated. The Bidder shall complete the Warranty, Service and Repair Facility information in the Proposal Schedule for each bid item it intends to submit prices for. The maintenance and repair services shall be available for five (5) years or 100,000 miles whichever occurs first.
3. The Bidder shall comply and submit with their Bid Proposal the required certifications and documents set forth in the "FTA Federal Certifications" section of this specification. **Items a. and b. listed below shall apply to all vehicles included within the Bidder's proposal. Items c. through e. listed below shall be submitted for each vehicle type and/or manufacturer included within the Bidder's proposal, and Bidders must indicate which line item(s) the certifications correspond to.**
 - a. Certification and Restrictions on Lobbying
 - b. Government-Wide Debarment and Suspension
 - c. Bus Testing Certification
 - d. Pre-Award Certification for Procurement of Rolling Stock (Vendor)
 - e. Transit Vehicle Manufacturer (TVM) Certification



B. Bidder Eligibility

To be eligible for award, the lowest responsive and responsible bidder must fulfill and submit the following:

1. At the time of bidding, registered on SAM.GOV without exclusions.
2. At the time of bidding, ensure the vehicle manufacture is listed on the Transit Vehicle Manufacturers (TVM) list to certify that the manufacturer has complied with Disadvantaged Business Enterprise (DBE) program requirements.
3. Prior to award, "Certificate of Vendor Compliance" issued from the Hawaii Compliance Express (HCE), which may be submitted in place of the Tax Clearance Certificate, Certificate of Compliance and Certificate of Good Standing, in accordance to the Hawaii Revised Statutes (HRS) §103D-310(c) and Hawaii Administrative Rules (HAR) §3- 122-112.
4. Prior to award, valid repair dealer license(s) as required by Chapter 437B, Hawai'i Revised Statutes, for the Service and Repair Facilities listed on the Proposal Schedule.

Items 1 and 2 listed above is required at the time of bid. Items 3 and 4 listed above will not be required at the time of bid. The Department will contact the apparent low Bidder to submit copies of documents that demonstrate the eligibility requirements for items 3 and 4 are met prior to award. If valid documents are not submitted to the Department on a timely basis for award of a contract, a Bidder otherwise responsive and responsible may not receive the award.

This procurement is funded by the Federal Transit Administration, and therefore the requirement for licensing under Chapter 437-2 Hawai'i Revised Statutes, shall not apply to this procurement as the State law conflicts with the Federal law defined under 49 U.S.C. Section 5325.

C. Quality of Vehicle

1. All low floor minivans furnished shall be a new vehicle with no more than 1,000 miles on the odometer, allowed for manufacturing, testing, and delivery purpose. All fourteen (14) passenger cutaway vans and ten (10) passenger vans shall be a newer vehicle with no more than 3,000 miles on the odometer, allowed for manufacturing, testing, and delivery purpose.
2. All vehicles shall comply with applicable Federal, State and Local requirements. If requested, the Contractor shall provide written documentation to substantiate compliance.

3. All vehicles and equipment furnished under these provisions and of its respective kind shall be completely assembled and free of defects.
 4. All vehicles furnished shall have heavy duty undercoating and rust proofing per industry standards.
 5. Any and all items of equipment, components and accessories as listed on the manufacturer's specifications as standard items of equipment, whether stated herein or not, shall be included.
- D. Submittals Prior to Placing Order
1. Twenty (20) calendar days prior to placing the order, the Contractor shall submit an interior floor plan with sufficient dimensions that will allow the State to verify compliance with ADA requirements for vehicles with wheelchair positions. All wheelchair positions and lift/ramp locations must be shown.
- E. Factory Inspection
1. The State reserves the right to inspect each vehicle during the assembly process at the factory. The Contractor shall notify the State once the anticipated start date is known and no later than ninety (90) calendar days prior to the anticipated completion of the vehicle(s). Compliance to Federal requirements will be reviewed and may include, but not limited to, Buy America and Federal Motor Vehicle Safety Standards (FMVSS). Vehicle assembly and fit and finish may also be inspected.
 2. Inspections will be performed by the State or an authorized agent of the State. The inspection of or the failure to inspect the work shall not relieve the Contractor of obligations to fulfill the contract as prescribed, to correct defective work, and to replace unsuitable or rejected materials regardless of whether payment for such work has been made.
- F. Documentation
1. Upon delivery, unless otherwise stated in the individual vehicle specifications, the Contractor shall provide the following:
 - Two (2) copies of owner-operator manual for vehicle and all add-on equipment with each vehicle. The manuals shall be provided in a hardcopy and an electronic copy (CD/DVD or latest technology).
 - One (1) copy of service manual and one (1) copy of the parts manual. Hardcopy and/or electronic copy (CD/DVD or latest technology) is acceptable.

- Manufacturer's recommended maintenance schedule.
 - List of factory trained and authorized vendors and personnel with phone number and address, able to provide service and support.
2. The Contractor shall process, pay and provide to the recipient agency within two-hundred seventy days (270) of issuances of the Notice to Proceed (NTP):
- Registration, title of the motor vehicle and mounted license plates
 - Hawaii Safety Inspection and Official Decal
 - Notarized Certificate of Bill of Sale (not required for Oahu dealerships)
 - Certificate of Weight and Measures (required if factory-furnished vehicle weight is unavailable; i.e. vehicles with post-factory modifications or alterations). Certificate must include year, make, model number and vehicle identification number. Verified weight in pounds must be officially machine-stamped; handwritten will not be acceptable.

G. Delivery and Acceptance

1. The Contractor shall notify the State in writing a minimum of thirty (30) calendar days in advance of the anticipated delivery date. The State will then schedule a tentative on-site delivery date with the vehicle recipient(s) within the two hundred seventy (270) calendar days of Notice to Proceed from the Department of Transportation.
2. Representatives of the Contractor, State, and vehicle recipient shall be present at the receiving agency. Vehicle deliveries to any island except the island of Oahu must be consolidated to minimize the State's inter-island travel. Contractor must coordinate vehicle deliveries with the Federal Transit Administration (FTA) 5310 Project Manager of the Statewide Transportation Planning Office.
3. The Contractor shall deliver the motor vehicle completely serviced, detailed, cleaned, in full operational condition upon delivery.
4. Upon delivery, the Contractor shall perform a demonstration of the vehicle's operational features, go through the documentation

provided, and allow the recipient to test drive the vehicle prior to acceptance. The State and vehicle recipient will be allowed to thoroughly inspect the vehicle prior to acceptance. The Contractor shall plan on a minimum of 30 minutes per vehicle for this activity.

5. The Contractor must correct any deficiencies found before the vehicle is accepted.
6. Upon acceptance of a vehicle, the Contractor will be notified by the State that the vehicle has been accepted and a payment request can be submitted. See Section 9 and the SPECIAL PROVISIONS for PAYMENT procedures.

H. Delivery Extension

1. Contractor shall complete delivery within the time allowed in the contract. If Contractor fails to deliver within the time allowed; liquidated damages as specified in the Proposal Schedule on Page PF-1 shall apply.
2. Contractor shall not be held responsible for delay due to reasons beyond his control, provided that notification is provided in accordance with Section 8.2 LIQUIDATED DAMAGES, as amended by the SPECIAL PROVISIONS.
3. REQUEST FOR EXTENSIONS WILL NOT BE CONSIDERED WITHOUT A COPY OF THE FACTORY ORDER AND FACTORY CONFIRMATION OF THE ORDER AND WITHOUT DOCUMENTS SUBSTANTIATING THAT THE CAUSE(S) FOR DELAY IS, IN FACT, BEYOND THE CONTROL OF THE CONTRACTOR. The State shall be the sole judge of whether such delay is beyond the control of the contractor and whether an extension will be granted.

I. Vehicle Warranty

1. Vehicle Powertrain warranty period shall be for a minimum of five (5) years or 60,000 miles whichever occurs first. Chassis warranty shall be for a minimum of three (3) years or 36,000 miles whichever occurs first. Warranty period shall begin from the date the vehicle is accepted by the State. The mileage warranties shall begin from the odometer reading at the time of acceptance.
2. Contractor shall replace or repair defective material and workmanship at no cost to the State for parts and labor during the warranty period unless such defects are due to abuse or negligence on the part of the State.

3. If a warranty covered repair becomes necessary, the Contractor must complete all repairs within fifteen (15) working days from the date of initial notification. If the Contractor cannot complete the repair within the allotted fifteen (15) working days, Contractor must provide a loaner vehicle for use until the repaired vehicle is returned. The loaner vehicle must be able to provide the same general transportation service as the vehicle being repaired.
4. Warranty service for all components must be made available on the island of delivery for the duration of the warranty.

J. Equipment Warranty

1. Any equipment provided with the vehicle that is not covered by the vehicle warranty shall be fully guaranteed against defects resulting from negligent workmanship and all design and manufacturing defects by the Contractor for a minimum period of one (1) year or for the period guaranteed by the manufacturer, whichever is greater.
2. Equipment warranty period shall begin from the date vehicle is accepted and placed in service.
3. Equipment warranty documents shall be delivered with vehicles and shall detail Manufacturer's obligation and warranty procedures.
4. Equipment warranty service for all components must be made available on the island of delivery for the duration of the warranty.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
STATEWIDE TRANSPORTATION PLANNING OFFICE

VEHICLE SPECIFICATIONS

<p align="center">Item 1 Low Floor Minivan; One (1) Wheelchair Position Manual Bi-Fold Swing-Away Ramp</p>		
Seating Capacity	6 Ambulatory (includes driver); 1 Wheelchair	
Vehicle Classification:	Light Duty Motor Vehicle	
Delivery Information:	<p align="center">The Arc of Hilo 1099 Waianuenue Ave. Hilo, Hawaii 96720</p>	
	Description	Specifications
1	CHASSIS	
A	Vehicle Dimensions	Wheelbase: 121" (min) Overall length: 202" (min) Overall height: 68" (min) Overall width: 78" (min)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	minimum 3.6 L, V-6, gasoline engine with electronic fuel injection
D	Transmission	minimum 6-speed automatic, electronically controlled with overdrive
E	Tilt Wheel/ Power Steering	Equipped with power steering and a tilt steering column, adjustable for various up and down positions.
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator light. OEM tilt steering wheel and cruise control Audio - Bluetooth capable AM/FM stereo with USB port and factory installed speakers
G	Back-up Alarm	Reverse alarm and reverse sensing system
H	Reverse Camera	OEM reverse camera and dash monitor
I	Alternator	Equipped with heaviest duty alternator available from manufacturer
J	Battery	Equipped with heaviest duty battery available from manufacturer
K	Brakes	Shall be power-assisted 4-wheel disc type, anti-lock braking system. OEM parking brake assemblies and dash warning light
L	Fuel Tank	Equipped with largest available from manufacturer. Tank, fuel lines and hardware must meet all current FMVSS and EPA requirements. Fuel tank shall be full at time of delivery
M	Suspension	Front: OEM suspension and components with heavy duty shock absorbers Rear: Heavy duty load-leveling air suspension with heavy duty shock absorbers Substitution: Spacers added to the front and rear OEM suspension Shall maintain ground clearance and meet all ADA requirements for entry when a ramp is utilized

N	Wheels and Tires	All tires shall be from the same manufacturer and all season, tubeless, steel radial blackwall. Shall be the largest size available from the vehicle manufacturer to meet the GVWR rating. Aluminum wheels required, if wheel covers are not provided. Tire pressure monitoring sensor. OEM spare tire, includes jack and tool kit.
O	Radiator	OEM radiator, heaviest duty available for maximum cooling
P	Windshield Wipers	Front: 2 speed with interval option and washer Rear: wiper/washer
Q	Alignment	Shall have a four (4) wheel alignment at final point of inspection, just prior to delivery
2	BODY AND EQUIPMENT	
A	Bumpers	Front and rear bumper shall be OEM
B	Doors	OEM driver and passenger front doors with power locks Manual driver and passenger side (mobility ramp) sliding doors Rear door emergency exit with quick release, manual override for opening the locked door from inside the vehicle. Shall provide decal showing operating instructions.
C	Windows	Equipped with power windows and OEM standard tinted windows
D	Color (Paint)	OEM white exterior paint
E	Seating	All seats shall be covered with vinyl and must comply with FMVSS. Seat colors shall match the OEM seats color of beige or grey. Driver seat: OEM power and fixed Front passenger seat: OEM and removable to roll out for mobility aid access/securement. 2nd row seat: forward facing 2-passenger fold-away seat with seat belts and shall be positioned in the wheelchair securement area. 3rd row rear bench seat to accommodate 2 passengers with foot rest
F	Grab Handles	Factory installed OEM
G	Mobility Aid Ramp	Side or rear entry, fold-out manual wheelchair ramp Shall have minimum usable width of 30" and a slope meeting the requirements of ADA, 49 CFR Surface shall be continuous and made skid resistant through powder coating and a rated capacity of 800 lb. or greater.
H	Lighting	All vehicle lighting shall conform to ADA 49 CFR, Part 38, Subpart B OEM interior and exterior lights Daytime running lights
I	Air conditioning	OEM heating/defrosting and air conditioning system with vents front and rear
J	Flooring	Anti-slip ADA flooring. Gray Altro or equivalent.
K	Mirrors	Interior rear view: manufacturer standard OEM left and right exterior manual folding mirror
L	Sun Visor	Driver/front-passenger sun visors-vinyl trimmed

3	SAFETY EQUIPMENT	
A	Emergency Reflectors	Mounted and removable kit containing three reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 10 unit conforms to DOT and OSHA requirements
C	Fire Extinguishers	Metal body 2.5 lb., 2A10BC, dry chemical, mounted for easy access to driver but not impede the ingress and egress of passengers
4	WHEELCHAIR SECUREMENT AREA	
A	Wheelchair Position(s)	One (1) Wheelchair Position
B	Wheelchair Securement System	Shall be installed according to ADA requirements. Securement location shall be located in one (1) position; wheelchair position shall be in the center of the vehicle behind the driver and passenger seats. Q'Straint wheelchair restraint track system or approved equal Provide storage method for tie downs when not in use
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A.

Item 2		
Fourteen (14) Passenger; Three (3) Wheelchair Positions Lift Located Curbside Immediately Rear of Front Entrance		
Seating Capacity	14 Ambulatory; 3 Wheelchairs	
Vehicle Classification:	Light Duty Motor Vehicle	
Delivery Information:	Hawaii County Economic Opportunity Council Nutrition Program 47 Rainbow Drive Hilo, Hawaii 96720	
	Description	Specifications
1	CHASSIS	
A	Vehicle dimensions	Wheelbase: 158" (min) Exterior width: 94" (min)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum 7.3L V-8 gasoline engine
D	Transmission	minimum 6-speed automatic transmission with overdrive and auxiliary cooler
E	Tilt Wheel/ Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator Intermotive or approved equal, wheelchair interlock and fast idle system with both automatic and manual fast idle functions
G	Sound System	Bluetooth capable AM/FM stereo radio with clock, USB port and factory installed front and rear speakers
H	Alternator	Equipped with the heaviest duty alternator available from manufacturer
I	Battery	Dual batteries, 600 CCA (min), in body compartment on slide out tray with stainless steel roller bearings
J	Brakes	Power dual hydraulic front and rear disc with ABS anti-lock brakes Parking brake with foot pedal apply
K	Fuel Tank	Fifty (55) gallon with key locking fuel door Fuel tank shall be full at time of delivery
L	Axle GAWR	Front: 5,000 lbs (min) or manufacturer's GAWR (whichever is greater) Rear: 8,500 lbs (min) or manufacturer's GAWR (whichever is greater) Axle ratio suitable for use in both city and highway driving
M	Drive Shaft	Protective metal guard(s) for the driveline shaft(s) installed
N	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front suspension shall be OEM with shock absorbers and stabilizer bar Heavy duty multi leaf spring rear suspension with shock absorbers and MORryde rear add-on rubber suspension or equal
O	Wheels and Tires	Six (6) radial tires, single front, dual rear, highway tread and rating suitable for GVWR No spare tire needed Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provided upon delivery
P	Radiator	OEM heavy-duty radiator available for maximum cooling
Q	Windshield Wipers	Two (2) speed with interval option and washer

2	BODY (EXTERIOR)	
A	Structure	Meets all applicable FMVSS
B	Insulation	Minimum 1" insulation in body sides, rear, and roof.
C	Doors	Curbside front entrance: Power operated door with a two (2) panel design. The entry door frame to be constructed with stainless steel. Control from the driver's seat. Rear emergency door: Glass in upper and lower sections Labeled "EMERGENCY DOOR" with 2" lettering inside and outside side Sliding bar latch with buzzer and door lock that disables starter and buzzes when door is locked Arrow indicating direction of door handle action inside and outside Decals or lettering indicating location and opening instructions
D	Step Wells	Individual step risers shall be a maximum of 9.5" in height with step tread a minimum of 8.5" deep Bottom step tread shall not exceed 12.5" from the the ground unloaded Equipped with LED stepwell light.
E	Handrails	Stainless steel sloping grab rails located both sides of the entrance door
F	Windows	All tinted including shaded windshield Passenger windows: Horizontal sliding sash or "T type" Factory tinted Two (2) push out emergency windows per side with buzzers and lettering or decals to indicate location and opening instructions
G	Bumpers	Front OEM chrome and rear painted steel bump
H	Color (Paint)	OEM white finish
3	BODY (INTERIOR)	
A	Dimensions	Headroom: 75" (min) Interior width: 85" (min) Aisle width: 16" (min) for the entire length of passenger compartment
B	Seating	Driver's: High back, adjustable fore and aft with right armrest Retractable 3 point seat belt Level 4 upholstery (min.) With the following adjustments: Forward and back Backrest pitch All Passenger's: Forward facing foldaway seats with arm rests, contoured foam seat cushion and back. Seat cushion depth shall be a minimum of 15". All seats lock to secure in place when in use, integrated 3-point retractable seat belt system that meets or exceeds all FMVSS requirements, and two (2) padded grab/assist handles shall be mounted on top of seats. All seats shall be spaced on a minimum of 30" seat centers allowing 17.5" (min) leg space between the front of the bottom cushion and the back of the next forward seat. All seats shall be covered with Level 4 vinyl upholstery (min.). Two (2) seat belt extenders to be of same manufacturer as main belt.
C	Flooring	Shall be covered with a minimum of 5/8" marine grade plywood, treated to resist moisture and decomposition, over high grade steel subfloor. Altro Transfer Meta or Gerflor Sirius flooring or equal throughout the passenger compartment and on the stepreads. Cove flooring to sidewalls

4 EQUIPMENT		
A	Interior Lights	All interior lighting is to be LED type Driver dome, passenger courtesy and stepwell lights Light at emergency exit Light to illuminate wheelchair lift operated by opening of lift door
B	Exterior Lights	All exterior lighting is to be LED type Three (3) front amber identification lights Three (3) rear red identification lights Daytime running lights
C	Air conditioning	Front OEM with defroster and heater Separate rear air conditioning system, 60,000 BTU (min). The BTU rating of the rear <i>axle unit</i> is to be rated as a stand alone system and not be included in the BTU rating of the OEM dash <i>axle unit</i> . The <i>axle system</i> shall include the OEM compressor and an additional 13 cubic inch compressor for the passenger area axle. Separate controls located in the driver's area for front and rear unit
D	Mirrors	7" min. rear view mirror that switches into a reverse camera when reversing Exterior side view: dual mirrors with electric remote control functions for both lenses
E	Reverse Backup Sensor	Backup warning signal and sonar warning system that gives both an audible signal and a visual digital distance readout in the driver's area.
F	Reverse Camera	Backup camera with monitor built into the rear view mirror
5 SAFETY EQUIPMENT		
A	Emergency Reflectors	Mounted and removable kit containing 3 reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body fire extinguisher: Mounted for easy access to driver but not impede the ingress and egress of passengers 5 lb., 2A10BC, dry chemical
6 WHEELCHAIR SECUREMENT AREA		
A	Wheelchair Position(s)	Three (3) wheelchair positions - See Attachment A
B	Wheelchair Securement System	Three (3) sets of wheelchair securement system equal to the Q-Strait 8100 deluxe utilizing L track - See Attachment A Restraint system with retractable and adjustable shoulder harness. All foldaway seats shall have the tie down storage system for the w/c securements. Each w/c position shall include webbing loops.
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., a platform size of 34" x 54". Braun Century or approved equal. Vehicle shall be equipped with a wheelchair interlock system.
E	Wheelchair Lift Location	Rear of passenger entry door on right side of the vehicle

Item 3 Fourteen (14) Passenger; Three (3) Wheelchair Positions Lift Located Curbside Immediately Rear of Front Entrance		
Seating Capacity	14 Ambulatory; 3 Wheelchairs	
Vehicle Classification:	Light Duty Motor Vehicle	
Delivery Information:	Hawaii County Economic Opportunity Council 47 Rainbow Drive Hilo, Hawaii 96720	
	Description	Specifications
1	CHASSIS	
A	Vehicle dimensions	Wheelbase: 158" (min) Exterior width: 94" (min)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum 7.3L V-8 gasoline engine
D	Transmission	minimum 6-speed automatic transmission with overdrive and auxiliary cooler
E	Tilt Wheel/ Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator Intermotive or approved equal, wheelchair interlock and fast idle system with both automatic and manual fast idle functions
G	Sound System	Bluetooth capable AM/FM stereo radio with clock, USB port and factory installed front and rear speakers
H	Alternator	Equipped with the heaviest duty alternator available from manufacturer
I	Battery	Dual batteries, 600 CCA (min), in body compartment on slide out tray with stainless steel roller bearings
J	Brakes	Power dual hydraulic front and rear disc with ABS anti-lock brakes Parking brake with foot pedal apply
K	Fuel Tank	Fifty (55) gallon with key locking fuel door Fuel tank shall be full at time of delivery
L	Axle GAWR	Front: 5,000 lbs (min) or manufacturer's GAWR (whichever is greater) Rear: 8,500 lbs (min) or manufacturer's GAWR (whichever is greater) Axle ratio suitable for use in both city and highway driving
M	Drive Shaft	Protective metal guard(s) for the driveline shaft(s) installed
N	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front suspension shall be OEM with shock absorbers and stabilizer bar Heavy duty multi leaf spring rear suspension with shock absorbers and MORryde rear add-on rubber suspension or equal
O	Wheels and Tires	Six (6) radial tires, single front, dual rear, highway tread and rating suitable for GVWR No spare tire needed Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provided upon delivery

P	Radiator	OEM heavy-duty radiator available for maximum cooling
Q	Windshield Wipers	Two (2) speed with interval option and washer
2	BODY (EXTERIOR)	
A	Structure	Meets all applicable FMVSS
B	Insulation	Minimum 1" insulation in body sides, rear, and roof.
C	Doors	<p>Curbside front entrance: Power operated door with a two (2) panel design. The entry door frame to be constructed with stainless steel. Control from the driver's seat.</p> <p>Rear emergency door: Glass in upper and lower sections Labeled "EMERGENCY DOOR" with 2" lettering inside and outside side Sliding bar latch with buzzer and door lock that disables starter and buzzes when door is locked Arrow indicating direction of door handle action inside and outside Decals or lettering indicating location and opening instructions</p>
D	Step Wells	<p>Individual step risers shall be a maximum of 9.5" in height with step tread a minimum of 8.5" deep Bottom step tread shall not exceed 12.5" from the the ground unloaded Equipped with LED stepwell light</p>
E	Handrails	Stainless steel sloping grab rails located both sides of the entrance door
F	Windows	<p>All tinted including shaded windshield Passenger windows: Horizontal sliding sash or "T type" Factory tinted Two (2) push out emergency windows per side with buzzers and lettering or decals to indicate location and opening instructions</p>
G	Bumpers	Front OEM chrome and rear painted steel bump
H	Color (Paint)	OEM white finish
3	BODY (INTERIOR)	
A	Dimensions	<p>Headroom: 75" (min) Interior width: 85" (min) Aisle width: 16" (min) for the entire length of passenger compartment</p>
B	Seating	<p>Driver's: High back, adjustable fore and aft with right armrest Retractable 3 point seat belt Level 4 upholstery (min.) With the following adjustments: Forward and back Backrest pitch</p> <p>All Passenger's: Forward facing foldaway seats with arm rests, contoured foam seat cushion and back. Seat cushion depth shall be a minimum of 15". All seats lock to secure in place when in use, integrated 3-point retractable seat belt system that meets or exceeds all FMVSS requirements, and two (2) padded grab/assist handles shall be mounted on top of seats. All seats shall be spaced on a minimum of 30" seat centers allowing 17.5" (min) leg space between the front of the bottom cushion and the back of the next forward seat. All seats shall be covered with Level 4 vinyl upholstery (min.). Two (2) seat belt extenders to be of same manufacturer as main belt.</p>

C	Flooring	Shall be covered with a minimum of 5/8" marine grade plywood, treated to resist moisture and decomposition, over high grade steel subfloor. Altro Transfer Meta or Gerflor Sirius flooring or equal throughout the passenger compartment and on the stpeptrads. Cove flooring to sidewalls
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4	EQUIPMENT	
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A	Interior Lights	All interior lighting is to be LED type Driver dome, passenger courtesy and stepwell lights Light at emergency exit Light to illuminate wheelchair lift operated by opening of lift door
B	Exterior Lights	All exterior lighting is to be LED type Three (3) front amber identification lights Three (3) rear red identification lights Daytime running lights
C	Air conditioning	Front OEM with defroster and heater Separate rear air conditioning system, 60,000 BTU (min). The BTU rating of the rear <i>axle unit</i> is to be rated as a stand alone system and not beincluded in the BTU rating of the OEM dash <i>axle unit</i> . The <i>axle system</i> shall include the OEM compressor and an additional 13 cubic inch compressor for the passengerarea axle. Separate controls located in the driver's area for front and rear unit
D	Mirrors	7" min. rear view mirror that switches into a reverse camera when reversing Exterior side view: dual mirrors with electric remote control functions for both lenses
E	Reverse Backup Sensor	Backup warning signal and sonar warning system that gives both an audible signal and a visual digital distance readout in the driver's area.
F	Reverse Camera	Backup camera with monitor built into the rear view mirror

5	SAFETY EQUIPMENT	
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A	Emergency Reflectors	Mounted and removable kit containing 3 reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body fire extinguisher: Mounted for easy access to driver but not impede the ingress and egress of passengers 5 lb., 2A10BC, dry chemical

6	WHEELCHAIR SECUREMENT AREA	
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A	Wheelchair Position(s)	Three (3) wheelchair positions - See Attachment A
B	Wheelchair Securement System	Three (3) sets of wheelchair securement system equal to the Q-Straint 8100 deluxe utilizing L track - See Attachment A Restraint system with retractable and adjustable shoulder harness. All foldaway seats shall have the tie down storage system for the w/c securements. Each w/c position shall include webbing loops.
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., a platform size of 34" x 54". Braun Century or approved equal. Vehicle shall be equipped with a wheelchair interlock system.
E	Wheelchair Lift Location	Rear of passenger entry door on right side of the vehicle

<p style="text-align: center;">Item 4 Ten (10) Passenger Van; Mid Roof; Two (2) Wheelchair Positions Lift Located Rear of Vehicle</p>		
Seating Capacity	10 Ambulatory (includes driver); 2 Wheelchairs	
Vehicle Classification:	Light Duty Motor Vehicle	
Delivery Information:	<p style="text-align: center;">Hawaii Island Adult Care 34 Rainbow Drive Hilo, Hawaii 96720</p>	
	Description	Specifications
1 CHASSIS		
A	Vehicle Dimensions	Wheelbase: 130" (maximum) Overall length: 220" (maximum) Overall height: 98" (minimum) to 100" (maximum) Overall width: 81" (minimum)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum, 3.5L V6 engine
D	Transmission	OEM automatic 10 speed with overdrive, minimum
E	Tilt Wheel / Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature and ammeter or voltmeter Audio - Bluetooth capable AM/FM stereo radio with USB port and factory installed front and rear speakers
G	Alternator	Equipped with the heaviest duty alternator available from manufacturer
H	Battery	Dual (2) heavy duty, maintenance free OEM batteries
I	Brakes	Power assisted hydraulic front and rear disc with ABS anti-lock brakes Transmission mounted parking brake with hand activated
J	Fuel Tank	25 gallon (minimum) Fuel tank shall be full at time of delivery
K	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front - Independent Macpherson-strut & stabilizer bar or approved equal Rear - Leaf spring and heavy duty gas shock absorbers or approved equal
L	Wheels and Tires	All season radial tires and wheels. Shall meet manufacturer and Federal GAWR requirements for GVWR of the vehicle. Tires shall be 235/65R16 black sidewall (BSW) all season or approved equal. Full size spare tire and wheel mounted on vehicle, 4-ton jack and tool kit Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provide upon delivery.
M	Radiator	Heavy-duty OEM radiator available for maximum cooling
N	Windshield Wipers	Variable intermittent
2 BODY (EXTERIOR)		
A	Insulation	Insulation in sides, roof, and rear that meets or exceeds all FMVSS requirements
B	Doors	OEM driver and passenger front doors with power locks, windows and mirrors Full height sliding OEM passenger side entry door and rear dual doors
C	Running Board	Full length powder coated aluminum, galvanized, or high grade stainless steel running board that extends from the rear passenger sliding door to the front passenger door or approved equal. See Attachment A

D	Driver's Step	Powdered coated aluminum, galvanized, or high grade stainless steel driver step or approved equal. See Attachment A
E	Windows	OEM seamless solid pane windows and OEM chassis manufacturer provided privacy tinted windows. Must meet all applicable FMVSS requirements
F	Emergency Signs	Red "EXIT" signs placed at emergency exits to meet FMVSS
G	Bumpers	Front and rear bumpers must be OEM manufacturer standards
H	Color (Paint)	OEM white finish
3	BODY (INTERIOR)	
A	Seating	OEM recliner driver & co-pilot seats with retractable seatbelt and shoulder harness Foldaway black or gray vinyl seats that meet FMVSS 302 burn resistance requirements. Seating shall consist of three (3) foldaways on the street side and 2 single fixed seats on the curb side. All three (3) foldaway seats shall be equipped with aisle side arm rests, wheelchair securement storage equal to Freedman TOSS on the bottom of seat. Two sets of seat belt extensions shall be provided
B	Air Bags	Driver and co-pilot seat air bags. Shall have additional OEM side curtain air bags throughout.
C	Grab Rails	Stainless steel grab rails located on left and right side of passenger entry
D	Panels	Interior wall and ceiling panels are to be OEM chassis manufacturer
E	Flooring	Steel reinforced wood floor on steel OEM floor or approved equal
4	EQUIPMENT	
A	Lights	Meets all Federal Motor Vehicle Safety Standards (FMVSS) OEM interior and exterior lights Driver dome, passenger courtesy & step well lights Step well light operated by door opener and/or driver with override switch on control panel Light to illuminate wheelchair lift operated by opening of lift door
B	Air conditioning	Front and rear OEM dash and ducted rear air conditioning, defroster, and heat
C	Mirrors	Interior rear view: manufacturer standard Right and left exterior: power adjustable from driver's seat
D	Sun Visor	Driver/front-passenger sun visors-vinyl trimmed
E	Back-up Alarm	Reverse alarm and reverse sensing system
F	Reverse Camera	OEM Reverse camera and dash monitor
G	Spare Keys	Four (4) ignition keys are to be included with vehicle
5	SAFETY EQUIPMENT	
A	Emergency Reflectors	Mounted and removable kit containing three (3) reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body 2.5 lb., 2A10BC, dry chemical, mounted for easy access to driver but not impede the ingress and egress of passengers
6	WHEELCHAIR SECUREMENT AREA	
A	Wheelchair Position(s)	Two (2) wheelchair positions - See Attachment A
B	Wheelchair Securement System	Two (2) sets of wheelchair securement devices, Q-Straint model 8100 deluxe with L track or approved equal. See Attachment A
C	Lap and Shoulder Restraint	All lap and shoulder restraint shall match up with the Q-Straint model 8100 retractor or approved equal. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., Braun Century or approved equal. Located at the rear of vehicle - See Attachment A

Item 5		
Fourteen (14) Passenger; Three (3) Wheelchair Positions Lift Located Curbside Immediately Rear of Front Entrance		
Seating Capacity	14 Ambulatory; 3 Wheelchairs	
Vehicle Classification:	Light Duty Motor Vehicle	
Delivery Information:	The Arc of Maui County 140 N. Market St. Wailuku, Hawaii 96793	
	Description	Specifications
1	CHASSIS	
A	Vehicle dimensions	Wheelbase: 158" (min) Exterior width: 94" (min)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum 7.3L V-8 gasoline engine
D	Transmission	minimum 6-speed automatic transmission with overdrive and auxiliary cooler
E	Tilt Wheel/ Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator Intermotive or approved equal, wheelchair interlock and fast idle system with both automatic and manual fast idle functions
G	Sound System	Bluetooth capable AM/FM stereo radio with clock, USB port and factory installed front and rear speakers
H	Alternator	Equipped with the heaviest duty alternator available from manufacturer
I	Battery	Dual batteries, 600 CCA (min), in body compartment on slide out tray with stainless steel roller bearings
J	Brakes	Power dual hydraulic front and rear disc with ABS anti-lock brakes Parking brake with foot pedal apply
K	Fuel Tank	Fifty (55) gallon with key locking fuel door Fuel tank shall be full at time of delivery
L	Axle GAWR	Front: 5,000 lbs (min) or manufacturer's GAWR (whichever is greater) Rear: 8,500 lbs (min) or manufacturer's GAWR (whichever is greater) Axle ratio suitable for use in both city and highway driving
M	Drive Shaft	Protective metal guard(s) for the driveline shaft(s) installed
N	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front suspension shall be OEM with shock absorbers and stabilizer bar Heavy duty multi leaf spring rear suspension with shock absorbers and MORryde rear add-on rubber suspension or equal
O	Wheels and Tires	Six (6) radial tires, single front, dual rear, highway tread and rating suitable for GVWR No spare tire needed Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provided upon delivery
P	Radiator	OEM heavy-duty radiator available for maximum cooling
Q	Windshield Wipers	Two (2) speed with interval option and washer

2	BODY (EXTERIOR)	
A	Structure	Meets all applicable FMVSS
B	Insulation	Minimum 1" insulation in body sides, rear, and roof.
C	Doors	Curbside front entrance: Power operated door with a two (2) panel design. The entry door frame to be constructed with stainless steel. Control from the driver's seat. Rear emergency door: Glass in upper and lower sections Labeled "EMERGENCY DOOR" with 2" lettering inside and outside side Sliding bar latch with buzzer and door lock that disables starter and buzzes when door is locked Arrow indicating direction of door handle action inside and outside Decals or lettering indicating location and opening instructions
D	Step Wells	Individual step risers shall be a maximum of 9.5" in height with step tread a minimum of 8.5" deep Bottom step tread shall not exceed 12.5" from the the ground unloaded Equipped with LED stepwell light
E	Handrails	Stainless steel sloping grab rails located both sides of the entrance door
F	Windows	All tinted including shaded windshield Passenger windows: Horizontal sliding sash or "T type" Factory tinted Two (2) push out emergency windows per side with buzzers and lettering or decals to indicate location and opening instructions
G	Bumpers	Front OEM chrome and rear painted steel bump
H	Color (Paint)	OEM white finish
3	BODY (INTERIOR)	
A	Dimensions	Headroom: 75" (min) Interior width: 85" (min) Aisle width: 16" (min) for the entire length of passenger compartment
B	Seating	Driver's: High back, adjustable fore and aft with right armrest Retractable 3 point seat belt Level 4 upholstery (min.) With the following adjustments: Forward and back Backrest pitch All Passenger's: Forward facing foldaway seats with arm rests, contoured foam seat cushion and back. Seat cushion depth shall be a minimum of 15". All seats lock to secure in place when in use, integrated 3-point retractable seat belt system that meets or exceeds all FMVSS requirements, and two (2) padded grab/assist handles shall be mounted on top of seats. All seats shall be spaced on a minimum of 30" seat centers allowing 17.5" (min) leg space between the front of the bottom cushion and the back of the next forward seat. All seats shall be covered with Level 4 vinyl upholstery (min.). Two (2) seat belt extenders to be of same manufacturer as main belt.
C	Flooring	Shall be covered with a minimum of 5/8" marine grade plywood, treated to resist moisture and decomposition, over high grade steel subfloor. Altro Transfer Meta or Gerflor Sirius flooring or equal throughout the passenger compartment and on the stepreads. Cove flooring to sidewalls

4 EQUIPMENT		
A	Interior Lights	All interior lighting is to be LED type Driver dome, passenger courtesy and stepwell lights Light at emergency exit Light to illuminate wheelchair lift operated by opening of lift door
B	Exterior Lights	All exterior lighting is to be LED type Three (3) front amber identification lights Three (3) rear red identification lights Daytime running lights
C	Air conditioning	Front OEM with defroster and heater Separate rear air conditioning system, 60,000 BTU (min). The BTU rating of the rear <i>axle unit</i> is to be rated as a stand alone system and not be included in the BTU rating of the OEM dash <i>axle unit</i> . The <i>axle system</i> shall include the OEM compressor and an additional 13 cubic inch compressor for the passenger area axle. Separate controls located in the driver's area for front and rear unit
D	Mirrors	7" min. rear view mirror that switches into a reverse camera when reversing Exterior side view: dual mirrors with electric remote control functions for both lenses
E	Reverse Backup Sensor	Backup warning signal and sonar warning system that gives both an audible signal and a visual digital distance readout in the driver's area.
F	Reverse Camera	Backup camera with monitor built into the rear view mirror
5 SAFETY EQUIPMENT		
A	Emergency Reflectors	Mounted and removable kit containing 3 reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body fire extinguisher: Mounted for easy access to driver but not impede the ingress and egress of passengers 5 lb., 2A10BC, dry chemical
6 WHEELCHAIR SECUREMENT AREA		
A	Wheelchair Position(s)	Three (3) wheelchair positions - See Attachment A
B	Wheelchair Securement System	Three (3) sets of wheelchair securement system equal to the Q-Straint 8100 deluxe utilizing L track - See Attachment A Restraint system with retractable and adjustable shoulder harness. All foldaway seats shall have the tie down storage system for the w/c securements. Each w/c position shall include webbing loops.
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., a platform size of 34" x 54". Braun Century or approved equal. Vehicle shall be equipped with a wheelchair interlock system.
E	Wheelchair Lift Location	Rear of passenger entry door on right side of the vehicle

<p align="center">Item 6 Fourteen (14) Passenger; Three (3) Wheelchair Positions Lift Located Curbside Immediately Rear of Front Entrance</p>		
Seating Capacity		14 Ambulatory; 3 Wheelchairs
Vehicle Classification:		Light Duty Motor Vehicle
Delivery Information:		Kaunoa Senior Services, County of Maui 401 Alakapa Place Paia, Hawaii 96779
	Description	Specifications
1	CHASSIS	
A	Vehicle dimensions	Wheelbase: 158" (min) Exterior width: 94" (min)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum 7.3L V-8 gasoline engine
D	Transmission	minimum 6-speed automatic transmission with overdrive and auxiliary cooler
E	Tilt Wheel/ Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator Intermotive or approved equal, wheelchair interlock and fast idle system with both automatic and manual fast idle functions
G	Sound System	Bluetooth capable AM/FM stereo radio with clock, USB port and factory installed front and rear speakers
H	Alternator	Equipped with the heaviest duty alternator available from manufacturer
I	Battery	Dual batteries, 600 CCA (min), in body compartment on slide out tray with stainless steel roller bearings
J	Brakes	Power dual hydraulic front and rear disc with ABS anti-lock brakes Parking brake with foot pedal apply
K	Fuel Tank	Fifty (55) gallon with key locking fuel door Fuel tank shall be full at time of delivery
L	Axle GAWR	Front: 5,000 lbs (min) or manufacturer's GAWR (whichever is greater) Rear: 8,500 lbs (min) or manufacturer's GAWR (whichever is greater) Axle ratio suitable for use in both city and highway driving
M	Drive Shaft	Protective metal guard(s) for the driveline shaft(s) installed
N	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front suspension shall be OEM with shock absorbers and stabilizer bar Heavy duty multi leaf spring rear suspension with shock absorbers and MORryde rear add-on rubber suspension or equal
O	Wheels and Tires	Six (6) radial tires, single front, dual rear, highway tread and rating suitable for GVWR No spare tire needed Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provided upon delivery
P	Radiator	OEM heavy-duty radiator available for maximum cooling
Q	Windshield Wipers	Two (2) speed with interval option and washer

2	BODY (EXTERIOR)	
A	Structure	Meets all applicable FMVSS
B	Insulation	Minimum 1" insulation in body sides, rear, and roof.
C	Doors	Curbside front entrance: Power operated door with a two (2) panel design. The entry door frame to be constructed with stainless steel. Control from the driver's seat. Rear emergency door: Glass in upper and lower sections Labeled "EMERGENCY DOOR" with 2" lettering inside and outside side Sliding bar latch with buzzer and door lock that disables starter and buzzes when door is locked Arrow indicating direction of door handle action inside and outside Decals or lettering indicating location and opening instructions
D	Step Wells	Individual step risers shall be a maximum of 9.5" in height with step tread a minimum of 8.5" deep Bottom step tread shall not exceed 12.5" from the the ground unloaded Equipped with LED stepwell light
E	Handrails	Stainless steel sloping grab rails located both sides of the entrance door
F	Windows	All tinted including shaded windshield Passenger windows: Horizontal sliding sash or "T type" Factory tinted Two (2) push out emergency windows per side with buzzers and lettering or decals to indicate location and opening instructions
G	Bumpers	Front OEM chrome and rear painted steel bump
H	Color (Paint)	OEM white finish
3	BODY (INTERIOR)	
A	Dimensions	Headroom: 75" (min) Interior width: 85" (min) Aisle width: 16" (min) for the entire length of passenger compartment
B	Seating	Driver's: High back, adjustable fore and aft with right armrest Retractable 3 point seat belt Level 4 upholstery (min.) With the following adjustments: Forward and back Backrest pitch All Passenger's: Forward facing foldaway seats with arm rests, contoured foam seat cushion and back. Seat cushion depth shall be a minimum of 15". All seats lock to secure in place when in use, integrated 3-point retractable seat belt system that meets or exceeds all FMVSS requirements, and two (2) padded grab/assist handles shall be mounted on top of seats. All seats shall be spaced on a minimum of 30" seat centers allowing 17.5" (min) leg space between the front of the bottom cushion and the back of the next forward seat. All seats shall be covered with Level 4 vinyl upholstery (min.). Two (2) seat belt extenders to be of same manufacturer as main belt.
C	Flooring	Shall be covered with a minimum of 5/8" marine grade plywood, treated to resist moisture and decomposition, over high grade steel subfloor. Altro Transfer Meta or Gerflor Sirius flooring or equal throughout the passenger compartment and on the stepreads. Cove flooring to sidewalls

4 EQUIPMENT		
A	Interior Lights	All interior lighting is to be LED type Driver dome, passenger courtesy and stepwell lights Light at emergency exit Light to illuminate wheelchair lift operated by opening of lift door
B	Exterior Lights	All exterior lighting is to be LED type Three (3) front amber identification lights Three (3) rear red identification lights Daytime running lights
C	Air conditioning	Front OEM with defroster and heater Separate rear air conditioning system, 60,000 BTU (min). The BTU rating of the rear <i>axle unit</i> is to be rated as a stand alone system and not be included in the BTU rating of the OEM dash <i>axle unit</i> . The <i>axle system</i> shall include the OEM compressor and an additional 13 cubic inch compressor for the passenger area axle. Separate controls located in the driver's area for front and rear unit
D	Mirrors	7" min. rear view mirror that switches into a reverse camera when reversing Exterior side view: dual mirrors with electric remote control functions for both lenses
E	Reverse Backup Sensor	Backup warning signal and sonar warning system that gives both an audible signal and a visual digital distance readout in the driver's area.
F	Reverse Camera	Backup camera with monitor built into the rear view mirror
5 SAFETY EQUIPMENT		
A	Emergency Reflectors	Mounted and removable kit containing 3 reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body fire extinguisher: Mounted for easy access to driver but not impede the ingress and egress of passengers 5 lb., 2A10BC, dry chemical
6 WHEELCHAIR SECUREMENT AREA		
A	Wheelchair Position(s)	Three (3) wheelchair positions - See Attachment A
B	Wheelchair Securement System	Three (3) sets of wheelchair securement system equal to the Q-Strait 8100 deluxe utilizing L track - See Attachment A Restraint system with retractable and adjustable shoulder harness. All foldaway seats shall have the tie down storage system for the w/c securements. Each w/c position shall include webbing loops.
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., a platform size of 34" x 54". Braun Century or approved equal. Vehicle shall be equipped with a wheelchair interlock system.
E	Wheelchair Lift Location	Rear of passenger entry door on right side of the vehicle

Item 7		
Fourteen (14) Passenger; Three (3) Wheelchair Positions Lift Located Curbside Immediately Rear of Front Entrance		
Seating Capacity	14 Ambulatory; 3 Wheelchairs	
Vehicle Classification:	Light Duty Motor Vehicle	
Delivery Information:	Catholic Charities Hawaii 1822 Keeaumoku Street Honolulu, Hawaii 96822	
	Description	Specifications
1	CHASSIS	
A	Vehicle dimensions	Wheelbase: 158" (min) Exterior width: 94" (min)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum 7.3L V-8 gasoline engine
D	Transmission	minimum 6-speed automatic transmission with overdrive and auxiliary cooler
E	Tilt Wheel/ Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator Intermotive or approved equal, wheelchair interlock and fast idle system with both automatic and manual fast idle functions
G	Sound System	Bluetooth capable AM/FM stereo radio with clock, USB port and factory installed front and rear speakers
H	Alternator	Equipped with the heaviest duty alternator available from manufacturer
I	Battery	Dual batteries, 600 CCA (min), in body compartment on slide out tray with stainless steel roller bearings
J	Brakes	Power dual hydraulic front and rear disc with ABS anti-lock brakes Parking brake with foot pedal apply
K	Fuel Tank	Fifty (55) gallon with key locking fuel door Fuel tank shall be full at time of delivery
L	Axle GAWR	Front: 5,000 lbs (min) or manufacturer's GAWR (whichever is greater) Rear: 8,500 lbs (min) or manufacturer's GAWR (whichever is greater) Axle ratio suitable for use in both city and highway driving
M	Drive Shaft	Protective metal guard(s) for the driveline shaft(s) installed
N	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front suspension shall be OEM with shock absorbers and stabilizer bar Heavy duty multi leaf spring rear suspension with shock absorbers and MORryde rear add-on rubber suspension or equal
O	Wheels and Tires	Six (6) radial tires, single front, dual rear, highway tread and rating suitable for GVWR No spare tire needed Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provided upon delivery
P	Radiator	OEM heavy-duty radiator available for maximum cooling
Q	Windshield Wipers	Two (2) speed with interval option and washer

2	BODY (EXTERIOR)	
A	Structure	Meets all applicable FMVSS
B	Insulation	Minimum 1" insulation in body sides, rear, and roof.
C	Doors	Curbside front entrance: Power operated door with a two (2) panel design. The entry door frame to be constructed with stainless steel. Control from the driver's seat. Rear emergency door: Glass in upper and lower sections Labeled "EMERGENCY DOOR" with 2" lettering inside and outside side Sliding bar latch with buzzer and door lock that disables starter and buzzes when door is locked Arrow indicating direction of door handle action inside and outside Decals or lettering indicating location and opening instructions
D	Step Wells	Individual step risers shall be a maximum of 9.5" in height with step tread a minimum of 8.5" deep Bottom step tread shall not exceed 12.5" from the the ground unloaded Equipped with LED stepwell light
E	Handrails	Stainless steel sloping grab rails located both sides of the entrance door
F	Windows	All tinted including shaded windshield Passenger windows: Horizontal sliding sash or "T type" Factory tinted Two (2) push out emergency windows per side with buzzers and lettering or decals to indicate location and opening instructions
G	Bumpers	Front OEM chrome and rear painted steel bump
H	Color (Paint)	OEM white finish
3	BODY (INTERIOR)	
A	Dimensions	Headroom: 75" (min) Interior width: 85" (min) Aisle width: 16" (min) for the entire length of passenger compartment
B	Seating	Driver's: High back, adjustable fore and aft with right armrest Retractable 3 point seat belt Level 4 upholstery (min.) With the following adjustments: Forward and back Backrest pitch All Passenger's: Forward facing foldaway seats with arm rests, contoured foam seat cushion and back. Seat cushion depth shall be a minimum of 15". All seats lock to secure in place when in use, integrated 3-point retractable seat belt system that meets or exceeds all FMVSS requirements, and two (2) padded grab/assist handles shall be mounted on top of seats. All seats shall be spaced on a minimum of 30" seat centers allowing 17.5" (min) leg space between the front of the bottom cushion and the back of the next forward seat. All seats shall be covered with Level 4 vinyl upholstery (min.). Two (2) seat belt extenders to be of same manufacturer as main belt.
C	Flooring	Shall be covered with a minimum of 5/8" marine grade plywood, treated to resist moisture and decomposition, over high grade steel subfloor. Altro Transfer Meta or Gerflor Sirius flooring or equal throughout the passenger compartment and on the steptreads. Cove flooring to sidewalls

4 EQUIPMENT		
A	Interior Lights	All interior lighting is to be LED type Driver dome, passenger courtesy and stepwell lights Light at emergency exit Light to illuminate wheelchair lift operated by opening of lift door
B	Exterior Lights	All exterior lighting is to be LED type Three (3) front amber identification lights Three (3) rear red identification lights Daytime running lights
C	Air conditioning	Front OEM with defroster and heater Separate rear air conditioning system, 60,000 BTU (min). The BTU rating of the rear <i>axle unit</i> is to be rated as a stand alone system and not be included in the BTU rating of the OEM dash <i>axle unit</i> . The <i>axle system</i> shall include the OEM compressor and an additional 13 cubic inch compressor for the passenger area axle. Separate controls located in the driver's area for front and rear unit
D	Mirrors	7" min. rear view mirror that switches into a reverse camera when reversing Exterior side view: dual mirrors with electric remote control functions for both lenses
E	Reverse Backup Sensor	Backup warning signal and sonar warning system that gives both an audible signal and a visual digital distance readout in the driver's area.
F	Reverse Camera	Backup camera with monitor built into the rear view mirror
5 SAFETY EQUIPMENT		
A	Emergency Reflectors	Mounted and removable kit containing 3 reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body fire extinguisher: Mounted for easy access to driver but not impede the ingress and egress of passengers 5 lb., 2A10BC, dry chemical
6 WHEELCHAIR SECUREMENT AREA		
A	Wheelchair Position(s)	Three (3) wheelchair positions - See Attachment A
B	Wheelchair Securement System	Three (3) sets of wheelchair securement system equal to the Q-Strait 8100 deluxe utilizing L track - See Attachment A Restraint system with retractable and adjustable shoulder harness. All foldaway seats shall have the tie down storage system for the w/c securements. Each w/c position shall include webbing loops.
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., a platform size of 34" x 54". Braun Century or approved equal. Vehicle shall be equipped with a wheelchair interlock system.
E	Wheelchair Lift Location	Rear of passenger entry door on right side of the vehicle

<p align="center">Item 8 Fourteen (14) Passenger; Three (3) Wheelchair Positions Lift Located Curbside Immediately Rear of Front Entrance</p>		
Seating Capacity		14 Ambulatory; 3 Wheelchairs
Vehicle Classification:		Light Duty Motor Vehicle
Delivery Information:		Responsive Caregivers of Hawaii 91-1241 Saratoga Avenue Kapolei, Hawaii 96707
	Description	Specifications
1	CHASSIS	
A	Vehicle dimensions	Wheelbase: 158" (min) Exterior width: 94" (min)
8	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum 7.3L V-8 gasoline engine
D	Transmission	minimum 6-speed automatic transmission with overdrive and auxiliary cooler
E	Tilt Wheel/ Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator Intermotive or approved equal, wheelchair interlock and fast idle system with both automatic and manual fast idle functions
G	Sound System	Bluetooth capable AM/FM stereo radio with clock, USB port and factory installed front and rear speakers
H	Alternator	Equipped with the heaviest duty alternator available from manufacturer
I	Battery	Dual batteries, 600 CCA (min), in body compartment on slide out tray with stainless steel roller bearings
J	Brakes	Power dual hydraulic front and rear disc with ABS anti-lock brakes Parking brake with foot pedal apply
K	Fuel Tank	Fifty (55) gallon with key locking fuel door Fuel tank shall be full at time of delivery
L	Axle GAWR	Front: 5,000 lbs (min) or manufacturer's GAWR (whichever is greater) Rear: 8,500 lbs (min) or manufacturer's GAWR (whichever is greater) Axle ratio suitable for use in both city and highway driving
M	Drive Shaft	Protective metal guard(s) for the driveline shaft(s) installed
N	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front suspension shall be OEM with shock absorbers and stabilizer bar Heavy duty multi leaf spring rear suspension with shock absorbers and MORryde rear add-on rubber suspension or equal
O	Wheels and Tires	Six (6) radial tires, single front, dual rear, highway tread and rating suitable for GVWR No spare tire needed Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provided upon delivery
P	Radiator	OEM heavy-duty radiator available for maximum cooling
Q	Windshield Wipers	Two (2) speed with interval option and washer

2	BODY (EXTERIOR)	
A	Structure	Meets all applicable FMVSS
B	Insulation	Minimum 1" insulation in body sides, rear, and roof.
C	Doors	<p>Curbside front entrance: Power operated door with a two (2) panel design. The entry door frame to be constructed with stainless steel. Control from the driver's seat.</p> <p>Rear emergency door: Glass in upper and lower sections Labeled "EMERGENCY DOOR" with 2" lettering inside and outside side Sliding bar latch with buzzer and door lock that disables starter and buzzes when door is locked Arrow indicating direction of door handle action inside and outside Decals or lettering indicating location and opening instructions</p>
D	Step Wells	<p>Individual step risers shall be a maximum of 9.5" in height with step tread a minimum of 8.5" deep Bottom step tread shall not exceed 12.5" from the the ground unloaded Equipped with LED stepwell light</p>
E	Handrails	Stainless steel sloping grab rails located both sides of the entrance door
F	Windows	<p>All tinted including shaded windshield Passenger windows: Horizontal sliding sash or "T type" Factory tinted Two (2) push out emergency windows per side with buzzers and lettering or decals to indicate location and opening instructions</p>
G	'Bumpers	Front OEM chrome and rear painted steel bump
H	Color (Paint)	OEM white finish
3	BODY (INTERIOR)	
A	Dimensions	<p>Headroom: 75" (min) Interior width: 85" (min) Aisle width: 16" (min) for the entire length of passenger compartment</p>
B	Seating	<p>Driver's: High back, adjustable fore and aft with right armrest Retractable 3 point seat belt Level 4 upholstery (min.) With the following adjustments: Forward and back Backrest pitch</p> <p>All Passenger's: Forward facing foldaway seats with arm rests, contoured foam seat cushion and back. Seat cushion depth shall be a minimum of 15". All seats lock to secure in place when in use, integrated 3-point retractable seat belt system that meets or exceeds all FMVSS requirements, and two (2) padded grab/assist handles shall be mounted on top of seats. All seats shall be spaced on a minimum of 30" seat centers allowing 17.5" (min) leg space between the front of the bottom cushion and the back of the next forward seat. All seats shall be covered with Level 4 vinyl upholstery (min.). Two (2) seat belt extenders to be of same manufacturer as main belt.</p>
C	Flooring	<p>Shall be covered with a minimum of 5/8" marine grade plywood, treated to resist moisture and decomposition, over high grade steel subfloor. Altro Transfer Meta or Gerflor Sirius flooring or equal throughout the passenger compartment and on the steptreads. Cove flooring to sidewalls</p>

4 EQUIPMENT		
A	Interior Lights	All interior lighting is to be LED type Driver dome, passenger courtesy and stepwell lights Light at emergency exit Light to illuminate wheelchair lift operated by opening of lift door
B	Exterior Lights	All exterior lighting is to be LED type Three (3) front amber identification lights Three (3) rear red identification lights Daytime running lights
C	Air conditioning	Front OEM with defroster and heater Separate rear air conditioning system, 60,000 BTU (min). The BTU rating of the rear <i>axle unit</i> is to be rated as a stand alone system and not be included in the BTU rating of the OEM dash <i>axle unit</i> . The <i>axle system</i> shall include the OEM compressor and an additional 13 cubic inch compressor for the passenger area axle. Separate controls located in the driver's area for front and rear unit
D	Mirrors	7" min. rear view mirror that switches into a reverse camera when reversing Exterior side view: dual mirrors with electric remote control functions for both lenses
E	Reverse Backup Sensor	Backup warning signal and sonar warning system that gives both an audible signal and a visual digital distance readout in the driver's area.
F	Reverse Camera	Backup camera with monitor built into the rear view mirror
5 SAFETY EQUIPMENT		
A	Emergency Reflectors	Mounted and removable kit containing 3 reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body fire extinguisher: Mounted for easy access to driver but not impede the ingress and egress of passengers 5 lb., 2A10BC, dry chemical
6 WHEELCHAIR SECUREMENT AREA		
A	Wheelchair Position(s)	Three (3) wheelchair positions - See Attachment A
B	Wheelchair Securement System	Three (3) sets of wheelchair securement system equal to the Q-Straint 8100 deluxe utilizing L track - See Attachment A Restraint system with retractable and adjustable shoulder harness. All foldaway seats shall have the tie down storage system for the w/c securements. Each w/c position shall include webbing loops.
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., a platform size of 34" x 54". Braun Century or approved equal. Vehicle shall be equipped with a wheelchair interlock system.
E	Wheelchair Lift Location	Rear of passenger entry door on right side of the vehicle

Item 9		
Fourteen (14) Passenger; Three (3) Wheelchair Positions Lift Located Curbside Immediately Rear of Front Entrance		
Seating Capacity	14 Ambulatory; 3 Wheelchairs	
Vehicle Classification:	Light Duty Motor Vehicle	
Delivery Information:	Responsive Caregivers of Hawaii 91-1241 Saratoga Avenue Kapolei, Hawaii 96707	
	Description	Specifications
1	CHASSIS	
A	Vehicle dimensions	Wheelbase: 158" (min) Exterior width: 94" (min)
8	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum 7.3L V-8 gasoline engine
D	Transmission	minimum 6-speed automatic transmission with overdrive and auxiliary cooler
E	Tilt Wheel/ Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator Intermotive or approved equal, wheelchair interlock and fast idle system with both automatic and manual fast idle functions
G	Sound System	Bluetooth capable AM/FM stereo radio with clock, USB port and factory installed front and rear speakers
H	Alternator	Equipped with the heaviest duty alternator available from manufacturer
I	Battery	Dual batteries, 600 CCA (min), in body compartment on slide out tray with stainless steel roller bearings
J	Brakes	Power dual hydraulic front and rear disc with ABS anti-lock brakes Parking brake with foot pedal apply
K	Fuel Tank	Fifty (55) gallon with key locking fuel door Fuel tank shall be full at time of delivery
L	Axle GAWR	Front: 5,000 lbs (min) or manufacturer's GAWR (whichever is greater) Rear: 8,500 lbs (min) or manufacturer's GAWR (whichever is greater) Axle ratio suitable for use in both city and highway driving
M	Drive Shaft	Protective metal guard(s) for the driveline shaft(s) installed
N	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front suspension shall be OEM with shock absorbers and stabilizer bar Heavy duty multi leaf spring rear suspension with shock absorbers and MORryde rear add-on rubber suspension or equal
O	Wheels and Tires	Six (6) radial tires, single front, dual rear, highway tread and rating suitable for GVWR No spare tire needed Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provided upon delivery
P	Radiator	OEM heavy-duty radiator available for maximum cooling
Q	Windshield Wipers	Two (2) speed with interval option and washer

2 BODY (EXTERIOR)		
A	Structure	Meets all applicable FMVSS
B	Insulation	Minimum 1" insulation in body sides, rear, and roof.
C	Doors	Curbside front entrance: Power operated door with a two (2) panel design. The entry door frame to be constructed with stainless steel. Control from the driver's seat. Rear emergency door: Glass in upper and lower sections Labeled "EMERGENCY DOOR" with 2" lettering inside and outside side Sliding bar latch with buzzer and door lock that disables starter and buzzes when door is locked Arrow indicating direction of door handle action inside and outside Decals or lettering indicating location and opening instructions
D	Step Wells	Individual step risers shall be a maximum of 9.5" in height with step tread a minimum of 8.5" deep Bottom step tread shall not exceed 12.5" from the the ground unloaded Equipped with LED stepwell light
E	Handrails	Stainless steel sloping grab rails located both sides of the entrance door
F	Windows	All tinted including shaded windshield Passenger windows: Horizontal sliding sash or "T type" Factory tinted Two (2) push out emergency windows per side with buzzers and lettering or decals to indicate location and opening instructions
G	'Bumpers	Front OEM chrome and rear painted steel bump
H	Color (Paint)	OEM white finish
3 BODY (INTERIOR)		
A	Dimensions	Headroom: 75" (min) Interior width: 85" (min) Aisle width: 16" (min) for the entire length of passenger compartment
B	Seating	Driver's: High back, adjustable fore and aft with right armrest Retractable 3 point seat belt Level 4 upholstery (min.) With the following adjustments: Forward and back Backrest pitch All Passenger's: Forward facing foldaway seats with arm rests, contoured foam seat cushion and back. Seat cushion depth shall be a minimum of 15". All seats lock to secure in place when in use, integrated 3-point retractable seat belt system that meets or exceeds all FMVSS requirements, and two (2) padded grab/assist handles shall be mounted on top of seats. All seats shall be spaced on a minimum of 30" seat centers allowing 17.5" (min) leg space between the front of the bottom cushion and the back of the next forward seat. All seats shall be covered with Level 4 vinyl upholstery (min.). Two (2) seat belt extenders to be of same manufacturer as main belt.
C	Flooring	Shall be covered with a minimum of 5/8" marine grade plywood, treated to resist moisture and decomposition, over high grade steel subfloor. Altro Transfer Meta or Gerflor Sirius flooring or equal throughout the passenger compartment and on the stoptreads. Cove flooring to sidewalls

4	EQUIPMENT	
A	Interior Lights	All interior lighting is to be LED type Driver dome, passenger courtesy and stepwell lights Light at emergency exit Light to illuminate wheelchair lift operated by opening of lift door
B	Exterior Lights	All exterior lighting is to be LED type Three (3) front amber identification lights Three (3) rear red identification lights Daytime running lights
C	Air conditioning	Front OEM with defroster and heater Separate rear air conditioning system, 60,000 BTU (min). The BTU rating of the rear <i>axle unit</i> is to be rated as a stand alone system and not be included in the BTU rating of the OEM dash <i>axle unit</i> . The <i>axle system</i> shall include the OEM compressor and an additional 13 cubic inch compressor for the passenger area axle. Separate controls located in the driver's area for front and rear unit
D	Mirrors	7" min. rear view mirror that switches into a reverse camera when reversing Exterior side view: dual mirrors with electric remote control functions for both lenses
E	Reverse Backup Sensor	Backup warning signal and sonar warning system that gives both an audible signal and a visual digital distance readout in the driver's area.
F	Reverse Camera	Backup camera with monitor built into the rear view mirror
5	SAFETY EQUIPMENT	
A	Emergency Reflectors	Mounted and removable kit containing 3 reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body fire extinguisher: Mounted for easy access to driver but not impede the ingress and egress of passengers 5 lb., 2A10BC, dry chemical
6	WHEELCHAIR SECUREMENT AREA	
A	Wheelchair Position(s)	Three (3) wheelchair positions - See Attachment A
B	Wheelchair Securement System	Three (3) sets of wheelchair securement system equal to the Q-Straint 8100 deluxe utilizing L track - See Attachment A Restraint system with retractable and adjustable shoulder harness. All foldaway seats shall have the tie down storage system for the w/c securements. Each w/c position shall include webbing loops.
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., a platform size of 34" x 54". Braun Century or approved equal. Vehicle shall be equipped with a wheelchair interlock system.
E	Wheelchair Lift Location	Rear of passenger entry door on right side of the vehicle

<p align="center">Item 10 Fourteen (14) Passenger; Three (3) Wheelchair Positions Lift Located Curbside Immediately Rear of Front Entrance</p>		
Seating Capacity	14 Ambulatory; 3 Wheelchairs	
Vehicle Classification:	Light Duty Motor Vehicle	
Delivery Information:	<p align="center">Kilohana Senior Enrichment Center 5829 Mahimahi St Honolulu, Hawaii 96821</p>	
	Description	Specifications
1	CHASSIS	
A	Vehicle dimensions	Wheelbase: 158" (min) Exterior width: 94" (min)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum 7.3L V-8 gasoline engine
D	Transmission	minimum 6-speed automatic transmission with overdrive and auxiliary cooler
E	Tilt Wheel/ Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator Intermotive or approved equal, wheelchair interlock and fast idle system with both automatic and manual fast idle functions
G	Sound System	Bluetooth capable AM/FM stereo radio with clock, USB port and factory installed front and rear speakers
H	Alternator	Equipped with the heaviest duty alternator available from manufacturer
I	Battery	Dual batteries, 600 CCA (min), in body compartment on slide out tray with stainless steel roller bearings
J	Brakes	Power dual hydraulic front and rear disc with ABS anti-lock brakes Parking brake with foot pedal apply
K	Fuel Tank	Fifty (55) gallon with key locking fuel door Fuel tank shall be full at time of delivery
L	Axle GAWR	Front: 5,000 lbs (min) or manufacturer's GAWR (whichever is greater) Rear: 8,500 lbs (min) or manufacturer's GAWR (whichever is greater) Axle ratio suitable for use in both city and highway driving
M	Drive Shaft	Protective metal guard(s) for the driveline shaft(s) installed
N	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front suspension shall be OEM with shock absorbers and stabilizer bar Heavy duty multi leaf spring rear suspension with shock absorbers and MORryde rear add-on rubber suspension or equal
O	Wheels and Tires	Six (6) radial tires, single front, dual rear, highway tread and rating suitable for GVWR No spare tire needed Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provided upon delivery
P	Radiator	OEM heavy-duty radiator available for maximum cooling
Q	Windshield Wipers	Two (2) speed with interval option and washer

2	BODY (EXTERIOR)	
A	Structure	Meets all applicable FMVSS
B	Insulation	Minimum 1" insulation in body sides, rear, and roof.
C	Doors	Curbside front entrance: Power operated door with a two (2) panel design. The entry door frame to be constructed with stainless steel. Control from the driver's seat. Rear emergency door: Glass in upper and lower sections Labeled "EMERGENCY DOOR" with 2" lettering inside and outside side Sliding bar latch with buzzer and door lock that disables starter and buzzes when door is locked Arrow indicating direction of door handle action inside and outside Decals or lettering indicating location and opening instructions
D	Step Wells	Individual step risers shall be a maximum of 9.5" in height with step tread a minimum of 8.5" deep Bottom step tread shall not exceed 12.5" from the the ground unloaded Equipped with LED stepwell light
E	Handrails	Stainless steel sloping grab rails located both sides of the entrance door
F	Windows	All tinted including shaded windshield Passenger windows: Horizontal sliding sash or "T type" Factory tinted Two (2) push out emergency windows per side with buzzers and lettering or decals to indicate location and opening instructions
G	Bumpers	Front OEM chrome and rear painted steel bump
H	Color (Paint)	OEM white finish
3	BODY (INTERIOR)	
A	Dimensions	Headroom: 75" (min) Interior width: 85" (min) Aisle width: 16" (min) for the entire length of passenger compartment
B	Seating	Driver's: High back, adjustable fore and aft with right armrest Retractable 3 point seat belt Level 4 upholstery (min.) With the following adjustments: Forward and back Backrest pitch All Passenger's: Forward facing foldaway seats with arm rests, contoured foam seat cushion and back. Seat cushion depth shall be a minimum of 15". All seats lock to secure in place when in use, integrated 3-point retractable seat belt system that meets or exceeds all FMVSS requirements, and two (2) padded grab/assist handles shall be mounted on top of seats. All seats shall be spaced on a minimum of 30" seat centers allowing 17.5" (min) leg space between the front of the bottom cushion and the back of the next forward seat. All seats shall be covered with Level 4 vinyl upholstery (min.). Two (2) seat belt extenders to be of same manufacturer as main belt.
C	Flooring	Shall be covered with a minimum of 5/8" marine grade plywood, treated to resist moisture and decomposition, over high grade steel subfloor. Altro Transfer Meta or Gerflor Sirius flooring or equal throughout the passenger compartment and on the stepreads. Cove flooring to sidewalls

4	EQUIPMENT	
A	Interior Lights	All interior lighting is to be LED type Driver dome, passenger courtesy and stepwell lights Light at emergency exit Light to illuminate wheelchair lift operated by opening of lift door
B	Exterior Lights	All exterior lighting is to be LED type Three (3) front amber identification lights Three (3) rear red identification lights Daytime running lights
C	Air conditioning	Front OEM with defroster and heater Separate rear air conditioning system, 60,000 BTU (min). The BTU rating of the rear axle unit is to be rated as a stand alone system and not be included in the BTU rating of the OEM dash axle unit. The axle system shall include the OEM compressor and an additional 13 cubic inch compressor for the passenger area axle. Separate controls located in the driver's area for front and rear unit
D	Mirrors	7" min. rear view mirror that switches into a reverse camera when reversing Exterior side view: dual mirrors with electric remote control functions for both lenses
E	Reverse Backup Sensor	Backup warning signal and sonar warning system that gives both an audible signal and a visual digital distance readout in the driver's area.
F	Reverse Camera	Backup camera with monitor built into the rear view mirror
5	SAFETY EQUIPMENT	
A	Emergency Reflectors	Mounted and removable kit containing 3 reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body fire extinguisher: Mounted for easy access to driver but not impede the ingress and egress of passengers 5 lb., 2A10BC, dry chemical
6	WHEELCHAIR SECUREMENT AREA	
A	Wheelchair Position(s)	Three (3) wheelchair positions - See Attachment A
B	Wheelchair Securement System	Three (3) sets of wheelchair securement system equal to the Q-Straint 8100 deluxe utilizing L track - See Attachment A Restraint system with retractable and adjustable shoulder harness. All foldaway seats shall have the tie down storage system for the w/c securements. Each w/c position shall include webbing loops.
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., a platform size of 34" x 54". Braun Century or approved equal. Vehicle shall be equipped with a wheelchair interlock system.
E	Wheelchair Lift Location	Rear of passenger entry door on right side of the vehicle

<p align="center">Item 11 Ten (10) Passenger Van; Mid Roof; Two (2) Wheelchair Positions Lift Located Rear of Vehicle</p>		
Seating Capacity		10 Ambulatory (includes driver); 2 Wheelchairs
Vehicle Classification:		Light Duty Motor Vehicle
Delivery Information:		Hawaii County Economic Opportunity Council 47 Rainbow Drive Hilo, Hawaii 96720
	Description	Specifications
1	CHASSIS	
A	Vehicle Dimensions	Wheelbase: 130" (maximum) Overall length: 220" (maximum) Overall height: 98" (minimum) to 100" (maximum) Overall width: 81" (minimum)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum, 3.5L V6 engine
D	Transmission	OEM automatic 10 speed with overdrive, minimum
E	Tilt Wheel / Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature and ammeter or voltmeter Audio - Bluetooth capable AM/FM stereo radio with USB port and factory installed front and rear speakers
G	Alternator	Equipped with the heaviest duty alternator available from manufacturer
H	Battery	Dual (2) heavy duty, maintenance free OEM batteries
I	Brakes	Power assisted hydraulic front and rear disc with ABS anti-lock brakes Transmission mounted Parking brake with hand activated
J	Fuel Tank	25 gallon (minimum) Fuel tank shall be full at time of delivery
K	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GVWR requirements for GVWR of the vehicle Front - Independent Macpherson-strut & stabilizer bar or approved equal Rear - Leaf spring and heavy duty gas shock absorbers or approved equal
L	Wheels and Tires	All season radial tires and wheels. Shall meet manufacturer and Federal GVWR requirements for GVWR of the vehicle. Tires shall be 235/65R16 black sidewall (BSW) all season or approved equal. Full size spare tire and wheel mounted on vehicle, 4-ton jack and tool kit Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provide upon delivery.
M	Radiator	Heavy-duty OEM radiator available for maximum cooling
N	Windshield Wipers	Variable intermittent
2	BODY (EXTERIOR)	
A	Insulation	Insulation in sides, roof, and rear that meets or exceeds all FMVSS requirements
B	Doors	OEM driver and passenger front doors with power locks, windows and mirrors Full height sliding OEM passenger side entry door and rear dual doors
C	Running Board	Full length powder coated aluminum, galvanized, or high grade stainless steel running board that extends from the rear passenger sliding door to the front passenger door or approved equal. See Attachment A

D	Driver's Step	Powdered coated aluminum, galvanized, or high grade stainless steel driver step or approved equal. See Attachment A
E	Windows	OEM seamless solid pane windows and OEM chassis manufacturer provided privacy tinted windows. Must meet all applicable FMVSS requirements
F	Emergency Signs	Red "EXIT" signs placed at emergency exits to meet FMVSS
G	Bumpers	Front and rear bumpers must be OEM manufacturer standards
H	Color (Paint)	OEM white finish
3	BODY (INTERIOR)	
A	Seating	OEM recliner driver & co-pilot seats with retractable seatbelt and shoulder harness Foldaway black or gray vinyl seats that meet FMVSS 302 burn resistance requirements. Seating shall consist of three (3) foldaways on the street side and 2 single fixed seats on the curb side. All three (3) foldaway seats shall be equipped with aisle side arm rests, wheelchair securement storage equal to Freedman TOSS on the bottom of seat. Two sets of seat belt extensions shall be provided
B	Air Bags	Driver and co-pilot seat air bags. Shall have additional OEM side curtain air bags throughout.
C	Grab Rails	Stainless steel grab rails located on left and right side of passenger entry
D	Panels	Interior wall and ceiling panels are to be OEM chassis manufacturer
E	Flooring	Steel reinforced wood floor on steel OEM floor or approved equal
4	EQUIPMENT	
A	Lights	Meets all Federal Motor Vehicle Safety Standards (FMVSS) OEM interior and exterior lights Driver dome, passenger courtesy & step well lights Step well light operated by door opener and/or driver with override switch on control panel Light to illuminate wheelchair lift operated by opening of lift door
B	Air conditioning	Front and rear OEM dash and ducted rear air conditioning, defroster, and heat
C	Mirrors	Interior rear view: manufacturer standard Right and left exterior: power adjustable from driver's seat
D	Sun Visor	Driver/front-passenger sun visors-vinyl trimmed
E	Back-up Alarm	Reverse alarm and reverse sensing system
F	Reverse Camera	OEM Reverse camera and dash monitor
G	Spare Keys	Four (4) ignition keys are to be included with vehicle
5	SAFETY EQUIPMENT	
A	Emergency Reflectors	Mounted and removable kit containing three (3) reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body 2.5 lb., 2A10BC, dry chemical, mounted for easy access to driver but not impede the ingress and egress of passengers
6	WHEELCHAIR SECUREMENT AREA	
A	Wheelchair Position(s)	Two (2) wheelchair positions - See Attachment A
B	Wheelchair Securement System	Two (2) sets of wheelchair securement devices, Q-Straint model 8100 deluxe with L track or approved equal. See Attachment A
C	Lap and Shoulder Restraint	All lap and shoulder restraint shall match up with the Q-Straint model 8100 retractor or approved equal. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., Braun Century or approved equal. Located at the rear of vehicle - See Attachment A

<p style="text-align: center;">Item 12 Ten (10) Passenger Van; Mid Roof; Two (2) Wheelchair Positions Lift Located Rear of Vehicle</p>		
Seating Capacity		10 Ambulatory (includes driver); 2 Wheelchairs
Vehicle Classification:		Light Duty Motor Vehicle
Delivery Information:		Hawaii County Economic Opportunity Council 47 Rainbow Drive Hilo, Hawaii 96720
	Description	Specifications
1	CHASSIS	
A	Vehicle Dimensions	Wheelbase: 130" (maximum) Overall length: 220" (maximum) Overall height: 98" (minimum) to 100" (maximum) Overall width: 81" (minimum)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum, 3.5L V6 engine
D	Transmission	OEM automatic 10 speed with overdrive, minimum
E	Tilt Wheel / Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature and ammeter or voltmeter Audio - Bluetooth capable AM/FM stereo radio with USB port and factory installed front and rear speakers
G	Alternator	Equipped with the heaviest duty alternator available from manufacturer
H	Battery	Dual (2) heavy duty, maintenance free OEM batteries
I	Brakes	Power assisted hydraulic front and rear disc with ABS anti-lock brakes Transmission mounted Parking brake with hand activated
J	Fuel Tank	25 gallon (minimum) Fuel tank shall be full at time of delivery
K	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front - Independent Macpherson-strut & stabilizer bar or approved equal Rear - Leaf spring and heavy duty gas shock absorbers or approved equal
L	Wheels and Tires	All season radial tires and wheels. Shall meet manufacturer and Federal GAWR requirements for GVWR of the vehicle. Tires shall be 235/65R16 black sidewall (BSW) all season or approved equal. Full size spare tire and wheel mounted on vehicle, 4-ton jack and tool kit Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provide upon delivery.
M	Radiator	Heavy-duty OEM radiator available for maximum cooling
N	Windshield Wipers	Variable intermittent
2	BODY (EXTERIOR)	
A	Insulation	Insulation in sides, roof, and rear that meets or exceeds all FMVSS requirements
B	Doors	OEM driver and passenger front doors with power locks, windows and mirrors Full height sliding OEM passenger side entry door and rear dual doors
C	Running Board	Full length powder coated aluminum, galvanized, or high grade stainless steel running board that extends from the rear passenger sliding door to the front passenger door or approved equal. See Attachment A

D	Driver's Step	Powdered coated aluminum, galvanized, or high grade stainless steel driver step or approved equal. See Attachment A
E	Windows	OEM seamless solid pane windows and OEM chassis manufacturer provided privacy tinted windows. Must meet all applicable FMVSS requirements
F	Emergency Signs	Red "EXIT" signs placed at emergency exits to meet FMVSS
G	Bumpers	Front and rear bumpers must be OEM manufacturer standards
H	Color (Paint)	OEM white finish
3	BODY (INTERIOR)	
A	Seating	OEM recliner driver & co-pilot seats with retractable seatbelt and shoulder harness Foldaway black or gray vinyl seats that meet FMVSS 302 burn resistance requirements. Seating shall consist of three (3) foldaways on the street side and 2 single fixed seats on the curb side. All three (3) foldaway seats shall be equipped with aisle side arm rests, wheelchair securement storage equal to Freedman TOSS on the bottom of seat. Two sets of seat belt extensions shall be provided
B	Air Bags	Driver and co-pilot seat air bags. Shall have additional OEM side curtain air bags throughout.
C	Grab Rails	Stainless steel grab rails located on left and right side of passenger entry
D	Panels	Interior wall and ceiling panels are to be OEM chassis manufacturer
E	Flooring	Steel reinforced wood floor on steel OEM floor or approved equal
4	EQUIPMENT	
A	Lights	Meets all Federal Motor Vehicle Safety Standards (FMVSS) OEM interior and exterior lights Driver dome, passenger courtesy & step well lights Step well light operated by door opener and/or driver with override switch on control panel Light to illuminate wheelchair lift operated by opening of lift door
B	Air conditioning	Front and rear OEM dash and ducted rear air conditioning, defroster, and heat
C	Mirrors	Interior rear view: manufacturer standard Right and left exterior: power adjustable from driver's seat
D	Sun Visor	Driver/front-passenger sun visors-vinyl trimmed
E	Back-up Alarm	Reverse alarm and reverse sensing system
F	Reverse Camera	OEM Reverse camera and dash monitor
G	Spare Keys	Four (4) ignition keys are to be included with vehicle
5	SAFETY EQUIPMENT	
A	Emergency Reflectors	Mounted and removable kit containing three (3) reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body 2.5 lb., 2A10BC, dry chemical, mounted for easy access to driver but not impede the ingress and egress of passengers
6	WHEELCHAIR SECUREMENT AREA	
A	Wheelchair Position(s)	Two (2) wheelchair positions - See Attachment A
B	Wheelchair Securement System	Two (2) sets of wheelchair securement devices, Q-Strait model 8100 deluxe with L track or approved equal. See Attachment A
C	Lap and Shoulder Restraint	All lap and shoulder restraint shall match up with the Q-Strait model 8100 retractor or approved equal. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., Braun Century or approved equal. Located at the rear of vehicle - See Attachment A

<p align="center">Item 13 Ten (10) Passenger Van; Mid Roof; Two (2) Wheelchair Positions Lift Located Rear of Vehicle</p>		
Seating Capacity	10 Ambulatory (includes driver); 2 Wheelchairs	
Vehicle Classification:	Light Duty Motor Vehicle	
Delivery Information:	<p align="center">Arc of Maui County 140 N. Market St. Wailuku, Hawaii 96793</p>	
	Description	Specifications
1	CHASSIS	
A	Vehicle Dimensions	Wheelbase: 130" (maximum) Overall length: 220" (maximum) Overall height: 98" (minimum) to 100" (maximum) Overall width: 81" (minimum)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum, 3.5L V6 engine
D	Transmission	OEM automatic 10 speed with overdrive, minimum
E	Tilt Wheel / Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature and ammeter or voltmeter Audio - Bluetooth capable AM/FM stereo radio with USB port and factory installed front and rear speakers
G	Alternator	Equipped with the heaviest duty alternator available from manufacturer
H	Battery	Dual (2) heavy duty, maintenance free OEM batteries
I	Brakes	Power assisted hydraulic front and rear disc with ABS anti-lock brakes Transmission mounted Parking brake with hand activated
J	Fuel Tank	25 gallon (minimum) Fuel tank shall be full at time of delivery
K	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front - Independent Macpherson-strut & stabilizer bar or approved equal Rear - Leaf spring and heavy duty gas shock absorbers or approved equal
L	Wheels and Tires	All season radial tires and wheels. Shall meet manufacturer and Federal GAWR requirements for GVWR of the vehicle. Tires shall be 235/65R16 black sidewall (BSW) all season or approved equal. Full size spare tire and wheel mounted on vehicle, 4-ton jack and tool kit Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provide upon delivery.
M	Radiator	Heavy-duty OEM radiator available for maximum cooling
N	Windshield Wipers	Variable intermittent
2	BODY (EXTERIOR)	
A	Insulation	Insulation in sides, roof, and rear that meets or exceeds all FMVSS requirements
B	Doors	OEM driver and passenger front doors with power locks, windows and mirrors Full height sliding OEM passenger side entry door and rear dual doors
C	Running Board	Full length powder coated aluminum, galvanized, or high grade stainless steel running board that extends from the rear passenger sliding door to the front passenger door or approved equal. See Attachment A

D	Driver's Step	Powdered coated aluminum, galvanized, or high grade stainless steel driver step or approved equal. See Attachment A
E	Windows	OEM seamless solid pane windows and OEM chassis manufacturer provided privacy tinted windows. Must meet all applicable FMVSS requirements
F	Emergency Signs	Red "EXIT" signs placed at emergency exits to meet FMVSS
G	Bumpers	Front and rear bumpers must be OEM manufacturer standards
H	Color (Paint)	OEM white finish
3	BODY {INTERIOR}	
A	Seating	OEM recliner driver & co-pilot seats with retractable seatbelt and shoulder harness Foldaway black or gray vinyl seats that meet FMVSS 302 burn resistance requirements. Seating shall consist of three (3) foldaways on the street side and 2 single fixed seats on the curb side. All three (3) foldaway seats shall be equipped with aisle side arm rests, wheelchair securement storage equal to Freedman TOSS on the bottom of seat. Two sets of seat belt extensions shall be provided
B	Air Bags	Driver and co-pilot seat air bags. Shall have additional OEM side curtain air bags throughout.
C	Grab Rails	Stainless steel grab rails located on left and right side of passenger entry
D	Panels	Interior wall and ceiling panels are to be OEM chassis manufacturer
E	Flooring	Steel reinforced wood floor on steel OEM floor or approved equal
4	EQUIPMENT	
A	Lights	Meets all Federal Motor Vehicle Safety Standards (FMVSS) OEM interior and exterior lights Driver dome, passenger courtesy & step well lights Step well light operated by door opener and/or driver with override switch on control panel Light to illuminate wheelchair lift operated by opening of lift door
B	Air conditioning	Front and rear OEM dash and ducted rear air conditioning, defroster, and heat
C	Mirrors	Interior rear view: manufacturer standard Right and left exterior: power adjustable from driver's seat
D	Sun Visor	Driver/front-passenger sun visors-vinyl trimmed
E	Back-up Alarm	Reverse alarm and reverse sensing system
F	Reverse Camera	OEM Reverse camera and dash monitor
G	Spare Keys	Four (4) ignition keys are to be included with vehicle
5	SAFETY EQUIPMENT	
A	Emergency Reflectors	Mounted and removable kit containing three (3) reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body 2.5 lb., 2A10BC, dry chemical, mounted for easy access to driver but not impede the ingress and egress of passengers
6	WHEELCHAIR SECUREMENT AREA	
A	Wheelchair Position(s)	Two (2) wheelchair positions - See Attachment A
B	Wheelchair Securement System	Two (2) sets of wheelchair securement devices, Q-Straint model 8100 deluxe with L track or approved equal. See Attachment A
C	Lap and Shoulder Restraint	All lap and shoulder restraint shall match up with the Q-Straint model 8100 retractor or approved equal. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., Braun Century or approved equal. Located at the rear of vehicle - See Attachment A

<p align="center">Item 14 Fourteen (14) Passenger; Three (3) Wheelchair Positions Lift Located Curbside Immediately Rear of Front Entrance</p>		
Seating Capacity		14 Ambulatory; 3 Wheelchairs
Vehicle Classification:		Light Duty Motor Vehicle
Delivery Information:		Hale Makua Health Services 472 Kaulana Street Kahului, Hawaii 96732
	Description	Specifications
1	CHASSIS	
A	Vehicle dimensions	Wheelbase: 158" (min) Exterior width: 94" (min)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum 7.3L V-8 gasoline engine
D	Transmission	minimum 6-speed automatic transmission with overdrive and auxiliary cooler
E	Tilt Wheel/ Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator Intermotive or approved equal, wheelchair interlock and fast idle system with both automatic and manual fast idle functions
G	Sound System	Bluetooth capable AM/FM stereo radio with clock, USB port and factory installed front and rear speakers
H	Alternator	Equipped with the heaviest duty alternator available from manufacturer
I	Battery	Dual batteries, 600 CCA (min), in body compartment on slide out tray with stainless steel roller bearings
J	Brakes	Power dual hydraulic front and rear disc with ABS anti-lock brakes Parking brake with foot pedal apply
K	Fuel Tank	Fifty (55) gallon with key locking fuel door Fuel tank shall be full at time of delivery
L	Axle GAWR	Front: 5,000 lbs (min) or manufacturer's GAWR (whichever is greater) Rear: 8,500 lbs (min) or manufacturer's GAWR (whichever is greater) Axle ratio suitable for use in both city and highway driving
M	Drive Shaft	Protective metal guard(s) for the driveline shaft(s) installed
N	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front suspension shall be OEM with shock absorbers and stabilizer bar Heavy duty multi leaf spring rear suspension with shock absorbers and MORryde rear add-on rubber suspension or equal
O	Wheels and Tires	Six (6) radial tires, single front, dual rear, highway tread and rating suitable for GVWR No spare tire needed Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provided upon delivery
P	Radiator	OEM heavy-duty radiator available for maximum cooling
Q	Windshield Wipers	Two (2) speed with interval option and washer

2	BODY (EXTERIOR)	
A	Structure	Meets all applicable FMVSS
B	Insulation	Minimum 1" insulation in body sides, rear, and roof.
C	Doors	Curbside front entrance: Power operated door with a two (2) panel design. The entry door frame to be constructed with stainless steel. Control from the driver's seat. Rear emergency door: Glass in upper and lower sections Labeled "EMERGENCY DOOR" with 2" lettering inside and outside side Sliding bar latch with buzzer and door lock that disables starter and buzzes when door is locked Arrow indicating direction of door handle action inside and outside Decals or lettering indicating location and opening instructions
D	Step Wells	Individual step risers shall be a maximum of 9.5" in height with step tread a minimum of 8.5" deep Bottom step tread shall not exceed 12.5" from the the ground unloaded Equipped with LED stepwell light
E	Handrails	Stainless steel sloping grab rails located both sides of the entrance door
F	Windows	All tinted including shaded windshield Passenger windows: Horizontal sliding sash or "T type" Factory tinted Two (2) push out emergency windows per side with buzzers and lettering or decals to indicate location and opening instructions
G	Bumpers	Front OEM chrome and rear painted steel bump
H	Color (Paint)	OEM white finish
3	BODY (INTERIOR)	
A	Dimensions	Headroom: 75" (min) Interior width: 85" (min) Aisle width: 16" (min) for the entire length of passenger compartment
B	Seating	Driver's: High back, adjustable fore and aft with right armrest Retractable 3 point seat belt Level 4 upholstery (min.) With the following adjustments: Forward and back Backrest pitch All Passenger's: Forward facing foldaway seats with arm rests, contoured foam seat cushion and back. Seat cushion depth shall be a minimum of 15". All seats lock to secure in place when in use, integrated 3-point retractable seat belt system that meets or exceeds all FMVSS requirements, and two (2) padded grab/assist handles shall be mounted on top of seats. All seats shall be spaced on a minimum of 30" seat centers allowing 17.5" (min) leg space between the front of the bottom cushion and the back of the next forward seat. All seats shall be covered with Level 4 vinyl upholstery (min.). Two (2) seat belt extenders to be of same manufacturer as main belt.
C	Flooring	Shall be covered with a minimum of 5/8" marine grade plywood, treated to resist moisture and decomposition, over high grade steel subfloor. Altro Transfer Meta or Gerflor Sirius flooring or equal throughout the passenger compartment and on the stepreads. Cove flooring to sidewalls

4	EQUIPMENT	
A	Interior Lights	All interior lighting is to be LED type Driver dome, passenger courtesy and stepwell lights Light at emergency exit Light to illuminate wheelchair lift operated by opening of lift door
B	Exterior Lights	All exterior lighting is to be LED type Three (3) front amber identification lights Three (3) rear red identification lights Daytime running lights
C	Air conditioning	Front OEM with defroster and heater Separate rear air conditioning system, 60,000 BTU (min). The BTU rating of the rear axle unit is to be rated as a stand alone system and not be included in the BTU rating of the OEM dash axle unit. The axle system shall include the OEM compressor and an additional 13 cubic inch compressor for the passenger area axle. Separate controls located in the driver's area for front and rear unit
D	Mirrors	7" min. rear view mirror that switches into a reverse camera when reversing Exterior side view: dual mirrors with electric remote control functions for both lenses
E	Reverse Backup Sensor	Backup warning signal and sonar warning system that gives both an audible signal and a visual digital distance readout in the driver's area.
F	Reverse Camera	Backup camera with monitor built into the rear view mirror
5	SAFETY EQUIPMENT	
A	Emergency Reflectors	Mounted and removable kit containing 3 reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body fire extinguisher: Mounted for easy access to driver but not impede the ingress and egress of passengers 5 lb., 2A10BC, dry chemical
6	WHEELCHAIR SECUREMENT AREA	
A	Wheelchair Position(s)	Three (3) wheelchair positions - See Attachment A
B	Wheelchair Securement System	Three (3) sets of wheelchair securement system equal to the Q-Strait 8100 deluxe utilizing L track - See Attachment A Restraint system with retractable and adjustable shoulder harness. All foldaway seats shall have the tie down storage system for the w/c securements. Each w/c position shall include webbing loops.
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., a platform size of 34" x 54". Braun Century or approved equal. Vehicle shall be equipped with a wheelchair interlock system.
E	Wheelchair Lift Location	Rear of passenger entry door on right side of the vehicle

<p align="center">Item 15 Fourteen (14) Passenger; Three (3) Wheelchair Positions Lift Located Curbside Immediately Rear of Front Entrance</p>		
Seating Capacity	14 Ambulatory; 3 Wheelchairs	
Vehicle Classification:	Light Duty Motor Vehicle	
Delivery Information:	<p align="center">Maui Economic Opportunity, Inc. 99 Mahalani Street Wailuku, Hawaii 96793</p>	
	Description	Specifications
1	CHASSIS	
A	Vehicle dimensions	Wheelbase: 158" (min) Exterior width: 94" (min)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum 7.3L V-8 gasoline engine
D	Transmission	minimum 6-speed automatic transmission with overdrive and auxiliary cooler
E	Tilt Wheel/ Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator Intermotive or approved equal, wheelchair interlock and fast idle system with both automatic and manual fast idle functions
G	Sound System	Bluetooth capable AM/FM stereo radio with clock, USB port and factory installed front and rear speakers
H	Alternator	Equipped with the heaviest duty alternator available from manufacturer
I	Battery	Dual batteries, 600 CCA (min), in body compartment on slide out tray with stainless steel roller bearings
J	Brakes	Power dual hydraulic front and rear disc with ABS anti-lock brakes Parking brake with foot pedal apply
K	Fuel Tank	Fifty (55) gallon with key locking fuel door Fuel tank shall be full at time of delivery
L	Axle GAWR	Front: 5,000 lbs (min) or manufacturer's GAWR (whichever is greater) Rear: 8,500 lbs (min) or manufacturer's GAWR (whichever is greater) Axle ratio suitable for use in both city and highway driving
M	Drive Shaft	Protective metal guard(s) for the driveline shaft(s) installed
N	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front suspension shall be OEM with shock absorbers and stabilizer bar Heavy duty multi leaf spring rear suspension with shock absorbers and MORryde rear add-on rubber suspension or equal
O	Wheels and Tires	Six (6) radial tires, single front, dual rear, highway tread and rating suitable for GVWR No spare tire needed Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provided upon delivery
P	Radiator	OEM heavy-duty radiator available for maximum cooling
Q	Windshield Wipers	Two (2) speed with interval option and washer

2	BODY (EXTERIOR)	
A	Structure	Meets all applicable FMVSS
B	Insulation	Minimum 1" insulation in body sides, rear, and roof.
C	Doors	Curbside front entrance: Power operated door with a two (2) panel design. The entry door frame to be constructed with stainless steel. Control from the driver's seat. Rear emergency door: Glass in upper and lower sections Labeled "EMERGENCY DOOR" with 2" lettering inside and outside side Sliding bar latch with buzzer and door lock that disables starter and buzzes when door is locked Arrow indicating direction of door handle action inside and outside Decals or lettering indicating location and opening instructions
D	Step Wells	Individual step risers shall be a maximum of 9.5" in height with step tread a minimum of 8.5" deep Bottom step tread shall not exceed 12.5" from the the ground unloaded Equipped with LED stepwell light
E	Handrails	Stainless steel sloping grab rails located both sides of the entrance door
F	Windows	All tinted including shaded windshield Passenger windows: Horizontal sliding sash or "T type" Factory tinted Two (2) push out emergency windows per side with buzzers and lettering or decals to indicate location and opening instructions
G	Bumpers	Front OEM chrome and rear painted steel bump
H	Color (Paint)	OEM white finish
3	BODY (INTERIOR)	
A	Dimensions	Headroom: 75" (min) Interior width: 85" (min) Aisle width: 16" (min) for the entire length of passenger compartment
B	Seating	Driver's: High back, adjustable fore and aft with right armrest Retractable 3 point seat belt Level 4 upholstery (min.) With the following adjustments: Forward and back Backrest pitch All Passenger's: Forward facing foldaway seats with arm rests, contoured foam seat cushion and back. Seat cushion depth shall be a minimum of 15". All seats lock to secure in place when in use, integrated 3-point retractable seat belt system that meets or exceeds all FMVSS requirements, and two (2) padded grab/assist handles shall be mounted on top of seats. All seats shall be spaced on a minimum of 30" seat centers allowing 17.5" (min) leg space between the front of the bottom cushion and the back of the next forward seat. All seats shall be covered with Level 4 vinyl upholstery (min.). Two (2) seat belt extenders to be of same manufacturer as main belt.
C	Flooring	Shall be covered with a minimum of 5/8" marine grade plywood, treated to resist moisture and decomposition, over high grade steel subfloor. Altro Transfer Meta or Gerflor Sirius flooring or equal throughout the passenger compartment and on the stepreads. Cove flooring to sidewalls

4 EQUIPMENT		
A	Interior Lights	All interior lighting is to be LED type Driver dome, passenger courtesy and stepwell lights Light at emergency exit Light to illuminate wheelchair lift operated by opening of lift door
B	Exterior Lights	All exterior lighting is to be LED type Three (3) front amber identification lights Three (3) rear red identification lights Daytime running lights
C	Air conditioning	Front OEM with defroster and heater Separate rear air conditioning system, 60,000 BTU (min). The BTU rating of the rear axle unit is to be rated as a stand alone system and not be included in the BTU rating of the OEM dash axle unit. The axle system shall include the OEM compressor and an additional 13 cubic inch compressor for the passenger area axle. Separate controls located in the driver's area for front and rear unit
D	Mirrors	7" min. rear view mirror that switches into a reverse camera when reversing Exterior side view: dual mirrors with electric remote control functions for both lenses
E	Reverse Backup Sensor	Backup warning signal and sonar warning system that gives both an audible signal and a visual digital distance readout in the driver's area.
F	Reverse Camera	Backup camera with monitor built into the rear view mirror
5 SAFETY EQUIPMENT		
A	Emergency Reflectors	Mounted and removable kit containing 3 reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body fire extinguisher: Mounted for easy access to driver but not impede the ingress and egress of passengers 5 lb., 2A10BC, dry chemical
6 WHEELCHAIR SECUREMENT AREA		
A	Wheelchair Position(s)	Three (3) wheelchair positions - See Attachment A
B	Wheelchair Securement System	Three (3) sets of wheelchair securement system equal to the Q-Strait 8100 deluxe utilizing L track - See Attachment A Restraint system with retractable and adjustable shoulder harness. All foldaway seats shall have the tie down storage system for the w/c securements. Each w/c position shall include webbing loops.
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., a platform size of 34" x 54". Braun Century or approved equal. Vehicle shall be equipped with a wheelchair interlock system.
E	Wheelchair Lift Location	Rear of passenger entry door on right side of the vehicle

Item 16		
Fourteen (14) Passenger; Three (3) Wheelchair Positions Lift Located Curbside Immediately Rear of Front Entrance		
Seating Capacity	14 Ambulatory; 3 Wheelchairs	
Vehicle Classification:	Light Duty Motor Vehicle	
Delivery Information:	Catholic Charities Hawaii 1822 Keeaumoku St. Honolulu, Hawaii 96822	
	Description	Specifications
1	CHASSIS	
A	Vehicle dimensions	Wheelbase: 158" (min) Exterior width: 94" (min)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum 7.3L V-8 gasoline engine
D	Transmission	minimum 6-speed automatic transmission with overdrive and auxiliary cooler
E	Tilt Wheel/ Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator Intermotive or approved equal, wheelchair interlock and fast idle system with both automatic and manual fast idle functions
G	Sound System	Bluetooth capable AM/FM stereo radio with clock, USB port and factory installed front and rear speakers
H	Alternator	Equipped with the heaviest duty alternator available from manufacturer
I	Battery	Dual batteries, 600 CCA (min), in body compartment on slide out tray with stainless steel roller bearings
J	Brakes	Power dual hydraulic front and rear disc with ABS anti-lock brakes Parking brake with foot pedal apply
K	Fuel Tank	Fifty (55) gallon with key locking fuel door Fuel tank shall be full at time of delivery
L	Axle GAWR	Front: 5,000 lbs (min) or manufacturer's GAWR (whichever is greater) Rear: 8,500 lbs (min) or manufacturer's GAWR (whichever is greater) Axle ratio suitable for use in both city and highway driving
M	Drive Shaft	Protective metal guard(s) for the driveline shaft(s) installed
N	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front suspension shall be OEM with shock absorbers and stabilizer bar Heavy duty multi leaf spring rear suspension with shock absorbers and MORryde rear add-on rubber suspension or equal
O	Wheels and Tires	Six (6) radial tires, single front, dual rear, highway tread and rating suitable for GVWR No spare tire needed Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provided upon delivery
P	Radiator	OEM heavy-duty radiator available for maximum cooling
Q	Windshield Wipers	Two (2) speed with interval option and washer

2	BODY (EXTERIOR)	
A	Structure	Meets all applicable FMVSS
B	Insulation	Minimum 1" insulation in body sides, rear, and roof.
C	Doors	Curbside front entrance: Power operated door with a two (2) panel design. The entry door frame to be constructed with stainless steel. Control from the driver's seat. Rear emergency door: Glass in upper and lower sections Labeled "EMERGENCY DOOR" with 2" lettering inside and outside side Sliding bar latch with buzzer and door lock that disables starter and buzzes when door is locked Arrow indicating direction of door handle action inside and outside Decals or lettering indicating location and opening instructions
D	Step Wells	Individual step risers shall be a maximum of 9.5" in height with step tread a minimum of 8.5" deep Bottom step tread shall not exceed 12.5" from the the ground unloaded Equipped with LED stepwell light
E	Handrails	Stainless steel sloping grab rails located both sides of the entrance door
F	Windows	All tinted including shaded windshield Passenger windows: Horizontal sliding sash or "T type" Factory tinted Two (2) push out emergency windows per side with buzzers and lettering or decals to indicate location and opening instructions
G	Bumpers	Front OEM chrome and rear painted steel bump
H	Color (Paint)	OEM white finish
3	BODY (INTERIOR)	
A	Dimensions	Headroom: 75" (min) Interior width: 85" (min) Aisle width: 16" (min) for the entire length of passenger compartment
B	Seating	Driver's: High back, adjustable fore and aft with right armrest Retractable 3 point seat belt Level 4 upholstery (min.) With the following adjustments: Forward and back Backrest pitch All Passenger's: Forward facing foldaway seats with arm rests, contoured foam seat cushion and back. Seat cushion depth shall be a minimum of 15". All seats lock to secure in place when in use, integrated 3-point retractable seat belt system that meets or exceeds all FMVSS requirements, and two (2) padded grab/assist handles shall be mounted on top of seats. All seats shall be spaced on a minimum of 30" seat centers allowing 17.5" (min) leg space between the front of the bottom cushion and the back of the next forward seat. All seats shall be covered with Level 4 vinyl upholstery (min.). Two (2) seat belt extenders to be of same manufacturer as main belt.
C	Flooring	Shall be covered with a minimum of 5/8" marine grade plywood, treated to resist moisture and decomposition, over high grade steel subfloor. Altro Transfor Meta or Gerflor Sirius flooring or equal throughout the passenger compartment and on the stoptreads. Cove flooring to sidewalls

4	EQUIPMENT	
A	Interior Lights	All interior lighting is to be LED type Driver dome, passenger courtesy and stepwell lights Light at emergency exit Light to illuminate wheelchair lift operated by opening of lift door
B	Exterior Lights	All exterior lighting is to be LED type Three (3) front amber identification lights Three (3) rear red identification lights Daytime running lights
C	Air conditioning	Front OEM with defroster and heater Separate rear air conditioning system, 60,000 BTU (min). The BTU rating of the rear <i>axle unit</i> is to be rated as a stand alone system and not be included in the BTU rating of the OEM dash <i>axle unit</i> . The <i>axle system</i> shall include the OEM compressor and an additional 13 cubic inch compressor for the passenger area axle. Separate controls located in the driver's area for front and rear unit
D	Mirrors	7" min. rear view mirror that switches into a reverse camera when reversing Exterior side view: dual mirrors with electric remote control functions for both lenses
E	Reverse Backup Sensor	Backup warning signal and sonar warning system that gives both an audible signal and a visual digital distance readout in the driver's area.
F	Reverse Camera	Backup camera with monitor built into the rear view mirror
5	SAFETY EQUIPMENT	
A	Emergency Reflectors	Mounted and removable kit containing 3 reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body fire extinguisher: Mounted for easy access to driver but not impede the ingress and egress of passengers 5 lb., 2A10BC, dry chemical
6	WHEELCHAIR SECUREMENT AREA	
A	Wheelchair Position(s)	Three (3) wheelchair positions - See Attachment A
B	Wheelchair Securement System	Three (3) sets of wheelchair securement system equal to the Q-Strait 8100 deluxe utilizing L track - See Attachment A Restraint system with retractable and adjustable shoulder harness. All foldaway seats shall have the tie down storage system for the w/c securements. Each w/c position shall include webbing loops.
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., a platform size of 34" x 54". Braun Century or approved equal. Vehicle shall be equipped with a wheelchair interlock system.
E	Wheelchair Lift Location	Rear of passenger entry door on right side of the vehicle

<p align="center">Item 17 Low Floor Minivan; One (1) Wheelchair Position Manual Bi-Fold Swing-Away Ramp</p>		
Seating Capacity		6 Ambulatory (includes driver); 1 Wheelchair
Vehicle Classification:		Light Duty Motor Vehicle
Delivery Information:		Opportunities and Resources, Inc. 64-1510 Kamehameha Hwy Wahiawa, Hawaii 96786
	Description	Specifications
1	CHASSIS	
A	Vehicle Dimensions	Wheelbase: 121" (min) Overall length: 202" (min) Overall height: 68" (min) Overall width: 78" (min)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	minimum 3.6 L, V-6, gasoline engine with electronic fuel injection
D	Transmission	minimum 6-speed automatic, electronically controlled with overdrive
E	Tilt Wheel/ Power Steering	Equipped with power steering and a tilt steering column, adjustable for various up and down positions.
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator light. OEM tilt steering wheel and cruise control Audio - Bluetooth capable AM/FM stereo with USB port and factory installed speakers
G	Back-up Alarm	Reverse alarm and reverse sensing system
H	Reverse Camera	OEM reverse camera and dash monitor
I	Alternator	Equipped with heaviest duty alternator available from manufacturer
J	Battery	Equipped with heaviest duty battery available from manufacturer
K	Brakes	Shall be power-assisted 4-wheel disc type, anti-lock braking system. OEM parking brake assemblies and dash warning light
L	Fuel Tank	Equipped with largest available from manufacturer. Tank, fuel lines and hardware must meet all current FMVSS and EPA requirements. Fuel tank shall be full at time of delivery
M	Suspension	Front: OEM suspension and components with heavy duty shock absorbers Rear: Heavy duty load-leveling air suspension with heavy duty shock absorbers Substitution: Spacers added to the front and rear OEM suspension Shall maintain ground clearance and meet all ADA requirements for entry when a ramp is utilized

N	Wheels and Tires	All tires shall be from the same manufacturer and all season, tubeless, steel radial blackwall. Shall be the largest size available from the vehicle manufacturer to meet the GVWR rating. Aluminum wheels required, if wheel covers are not provided. Tire pressure monitoring sensor. OEM spare tire, includes jack and tool kit.
O	Radiator	OEM radiator, heaviest duty available for maximum cooling
P	Windshield Wipers	Front: 2 speed with interval option and washer Rear: wiper/washer
Q	Alignment	Shall have a four (4) wheel alignment at final point of inspection, just prior to delivery
2	BODY AND EQUIPMENT	
A	Bumpers	Front and rear bumper shall be OEM
B	Doors	OEM driver and passenger front doors with power locks Manual driver and passenger side (mobility ramp) sliding doors Rear door emergency exit with quick release, manual override for opening the locked door from inside the vehicle. Shall provide decal showing operating instructions.
C	Windows	Equipped with power windows and OEM standard tinted windows
D	Color (Paint)	OEM white exterior paint
E	Seating	All seats shall be covered with vinyl and must comply with FMVSS. Seat colors shall match the OEM seats color of beige or grey. Driver seat: OEM power and fixed Front passenger seat: OEM and removable to roll out for mobility aid access/securement. 2nd row seat: forward facing 2-passenger fold-away seat with seat belts and shall be positioned in the wheelchair securement area. 3rd row rear bench seat to accommodate 2 passengers with foot rest
F	Grab Handles	Factory installed OEM
G	Mobility Aid Ramp	Side or rear entry, fold-out manual wheelchair ramp Shall have minimum usable width of 30" and a slope meeting the requirements of ADA, 49 CFR Surface shall be continuous and made skid resistant through powder coating and a rated capacity of 800 lb. or greater.
H	Lighting	All vehicle lighting shall conform to ADA 49 CFR, Part 38, Subpart B OEM interior and exterior lights Daytime running lights
I	Air conditioning	OEM heating/defrosting and air conditioning system with vents front and rear
J	Flooring	Anti-slip ADA flooring. Gray Altro or equivalent.
K	Mirrors	Interior rear view: manufacturer standard OEM left and right exterior manual folding mirror
L	Sun Visor	Driver/front-passenger sun visors-vinyl trimmed

3	SAFETY EQUIPMENT	
A	Emergency Reflectors	Mounted and removable kit containing three reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 10 unit conforms to DOT and OSHA requirements
C	Fire Extinguishers	Metal body 2.5 lb., 2A10BC, dry chemical, mounted for easy access to driver but not impede the ingress and egress of passengers
4	WHEELCHAIR SECUREMENT AREA	
A	Wheelchair Position(s)	One (1) Wheelchair Position
B	Wheelchair Securement System	Shall be installed according to ADA requirements. Securement location shall be located in one (1) position; wheelchair position shall be in the center of the vehicle behind the driver and passenger seats. Q'Straint wheelchair restraint track system or approved equal Provide storage method for tie downs when not in use
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A.

<p align="center">Item 18 Low Floor Minivan; One (1) Wheelchair Position Manual Bi-Fold Swing-Away Ramp</p>		
Seating Capacity		6 Ambulatory (includes driver); 1 Wheelchair
Vehicle Classification:		Light Duty Motor Vehicle
Delivery Information:		ORI Anuenue Hale, Inc. 64-1488 Kamehameha Hwy Wahiawa, Hawaii 96786
	Description	Specifications
1	CHASSIS	
A	Vehicle Dimensions	Wheelbase: 121" (min) Overall length: 202" (min) Overall height: 68" (min) Overall width: 78" (min)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	minimum 3.6 L, V-6, gasoline engine with electronic fuel injection
D	Transmission	minimum 6-speed automatic, electronically controlled with overdrive
E	Tilt Wheel/ Power Steering	Equipped with power steering and a tilt steering column, adjustable for various up and down positions.
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator light. OEM tilt steering wheel and cruise control Audio - Bluetooth capable AM/FM stereo with USB port and factory installed speakers
G	Back-up Alarm	Reverse alarm and reverse sensing system
H	Reverse Camera	OEM reverse camera and dash monitor
I	Alternator	Equipped with heaviest duty alternator available from manufacturer
J	Battery	Equipped with heaviest duty battery available from manufacturer
K	Brakes	Shall be power-assisted 4-wheel disc type, anti-lock braking system. OEM parking brake assemblies and dash warning light
L	Fuel Tank	Equipped with largest available from manufacturer. Tank, fuel lines and hardware must meet all current FMVSS and EPA requirements. Fuel tank shall be full at time of delivery
M	Suspension	Front: OEM suspension and components with heavy duty shock absorbers Rear: Heavy duty load-leveling air suspension with heavy duty shock absorbers Substitution: Spacers added to the front and rear OEM suspension Shall maintain ground clearance and meet all ADA requirements for entry when a ramp is utilized

N	Wheels and Tires	All tires shall be from the same manufacturer and all season, tubeless, steel radial blackwall. Shall be the largest size available from the vehicle manufacturer to meet the GVWR rating. Aluminum wheels required, if wheel covers are not provided. Tire pressure monitoring sensor. OEM spare tire, includes jack and tool kit.
O	Radiator	OEM radiator, heaviest duty available for maximum cooling
P	Windshield Wipers	Front: 2 speed with interval option and washer Rear: wiper/washer
Q	Alignment	Shall have a four (4) wheel alignment at final point of inspection, just prior to delivery
2	BODY AND EQUIPMENT	
A	Bumpers	Front and rear bumper shall be OEM
B	Doors	OEM driver and passenger front doors with power locks Manual driver and passenger side (mobility ramp) sliding doors Rear door emergency exit with quick release, manual override for opening the locked door from inside the vehicle. Shall provide decal showing operating instructions.
C	Windows	Equipped with power windows and OEM standard tinted windows
D	Color (Paint)	OEM white exterior paint
E	Seating	All seats shall be covered with vinyl and must comply with FMVSS. Seat colors shall match the OEM seats color of beige or grey. Driver seat: OEM power and fixed Front passenger seat: OEM and removable to roll out for mobility aid access/securement. 2nd row seat: forward facing 2-passenger fold-away seat with seat belts and shall be positioned in the wheelchair securement area. 3rd row rear bench seat to accommodate 2 passengers with foot rest
F	Grab Handles	Factory installed OEM
G	Mobility Aid Ramp	Side or rear entry, fold-out manual wheelchair ramp Shall have minimum usable width of 30" and a slope meeting the requirements of ADA, 49 CFR Surface shall be continuous and made skid resistant through powder coating and a rated capacity of 800 lb. or greater.
H	Lighting	All vehicle lighting shall conform to ADA 49 CFR, Part 38, Subpart B OEM interior and exterior lights Daytime running lights
I	Air conditioning	OEM heating/defrosting and air conditioning system with vents front and rear
J	Flooring	Anti-slip ADA flooring. Gray Altro or equivalent.
K	Mirrors	Interior rear view: manufacturer standard OEM left and right exterior manual folding mirror
L	Sun Visor	Driver/front-passenger sun visors-vinyl trimmed

3	SAFETY EQUIPMENT	
A	Emergency Reflectors	Mounted and removable kit containing three reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 10 unit conforms to DOT and OSHA requirements
C	Fire Extinguishers	Metal body 2.5 lb., 2A10BC, dry chemical, mounted for easy access to driver but not impede the ingress and egress of passengers
4	WHEELCHAIR SECUREMENT AREA	
A	Wheelchair Position(s)	One (1) Wheelchair Position
B	Wheelchair Securement System	Shall be installed according to ADA requirements. Securement location shall be located in one (1) position; wheelchair position shall be in the center of the vehicle behind the driver and passenger seats. Q'Straint wheelchair restraint track system or approved equal Provide storage method for tie downs when not in use
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A.

<p style="text-align: center;">Item 19 Ten (10) Passenger Van; Mid Roof; Two (2) Wheelchair Positions Lift Located Rear of Vehicle</p>		
Seating Capacity		10 Ambulatory (includes driver); 2 Wheelchairs
Vehicle Classification:		Light Duty Motor Vehicle
Delivery Information:		Responsive Caregivers of Hawaii 91-1241 Saratoga Avenue Kapolei, Hawaii 96707
	Description	Specifications
1	CHASSIS	
A	Vehicle Dimensions	Wheelbase: 130" (maximum) Overall length: 220" (maximum) Overall height: 98" (minimum) to 100" (maximum) Overall width: 81" (minimum)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum, 3.5L V6 engine
D	Transmission	OEM automatic 10 speed with overdrive, minimum
E	Tilt Wheel / Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature and ammeter or voltmeter Audio - Bluetooth capable AM/FM stereo radio with USB port and factory installed front and rear speakers
G	Alternator	Equipped with the heaviest duty alternator available from manufacturer
H	Battery	Dual (2) heavy duty, maintenance free OEM batteries
I	Brakes	Power assisted hydraulic front and rear disc with ABS anti-lock brakes Transmission mounted Parking brake with hand activated
J	Fuel Tank	25 gallon (minimum) Fuel tank shall be full at time of delivery
K	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front - Independent Macpherson-strut & stabilizer bar or approved equal Rear - Leaf spring and heavy duty gas shock absorbers or approved equal
L	Wheels and Tires	All season radial tires and wheels. Shall meet manufacturer and Federal GAWR requirements for GVWR of the vehicle. Tires shall be 235/65R16 black sidewall (BSW) all season or approved equal. Full size spare tire and wheel mounted on vehicle, 4-ton jack and tool kit Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provide upon delivery.
M	Radiator	Heavy-duty OEM radiator available for maximum cooling
N	Windshield Wipers	Variable intermittent
2	BODY (EXTERIOR)	
A	Insulation	Insulation in sides, roof, and rear that meets or exceeds all FMVSS requirements
B	Doors	OEM driver and passenger front doors with power locks, windows and mirrors Full height sliding OEM passenger side entry door and rear dual doors
C	Running Board	Full length powder coated aluminum, galvanized, or high grade stainless steel running board that extends from the rear passenger sliding door to the front passenger door or approved equal. See Attachment A

D	Driver's Step	Powdered coated aluminum, galvanized, or high grade stainless steel driver step or approved equal. See Attachment A
E	Windows	OEM seamless solid pane windows and OEM chassis manufacturer provided privacy tinted windows. Must meet all applicable FMVSS requirements
F	Emergency Signs	Red "EXIT" signs placed at emergency exits to meet FMVSS
G	Bumpers	Front and rear bumpers must be OEM manufacturer standards
H	Color (Paint)	OEM white finish
3	BODY (INTERIOR)	
A	Seating	OEM recliner driver & co-pilot seats with retractable seatbelt and shoulder harness Foldaway black or gray vinyl seats that meet FMVSS 302 burn resistance requirements. Seating shall consist of three (3) foldaways on the street side and 2 single fixed seats on the curb side. All three (3) foldaway seats shall be equipped with aisle side arm rests, wheelchair securement storage equal to Freedman TOSS on the bottom of seat. Two sets of seat belt extensions shall be provided
B	Air Bags	Driver and co-pilot seat air bags. Shall have additional OEM side curtain air bags throughout.
C	Grab Rails	Stainless steel grab rails located on left and right side of passenger entry
D	Panels	Interior wall and ceiling panels are to be OEM chassis manufacturer
E	Flooring	Steel reinforced wood floor on steel OEM floor or approved equal
4	EQUIPMENT	
A	Lights	Meets all Federal Motor Vehicle Safety Standards (FMVSS) OEM interior and exterior lights Driver dome, passenger courtesy & step well lights Step well light operated by door opener and/or driver with override switch on control panel Light to illuminate wheelchair lift operated by opening of lift door
B	Air conditioning	Front and rear OEM dash and ducted rear air conditioning, defroster, and heat
C	Mirrors	Interior rear view: manufacturer standard Right and left exterior: power adjustable from driver's seat
D	Sun Visor	Driver/front-passenger sun visors-vinyl trimmed
E	Back-up Alarm	Reverse alarm and reverse sensing system
F	Reverse Camera	OEM Reverse camera and dash monitor
G	Spare Keys	Four (4) ignition keys are to be included with vehicle
5	SAFETY EQUIPMENT	
A	Emergency Reflectors	Mounted and removable kit containing three (3) reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body 2.5 lb., 2A10BC, dry chemical, mounted for easy access to driver but not impede the ingress and egress of passengers
6	WHEELCHAIR SECUREMENT AREA	
A	Wheelchair Position(s)	Two (2) wheelchair positions - See Attachment A
B	Wheelchair Securement System	Two (2) sets of wheelchair securement devices, Q-Straint model 8100 deluxe with L track or approved equal. See Attachment A
C	Lap and Shoulder Restraint	All lap and shoulder restraint shall match up with the Q-Straint model 8100 retractor or approved equal. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., Braun Century or approved equal. Located at the rear of vehicle - See Attachment A

<p align="center">Item 20 Ten (10) Passenger Van; Mid Roof; Two (2) Wheelchair Positions Lift Located Rear of Vehicle</p>		
Seating Capacity		10 Ambulatory (includes driver); 2 Wheelchairs
Vehicle Classification:		Light Duty Motor Vehicle
Delivery Information:		Responsive Caregivers of Hawaii 91-1241 Saratoga Avenue Kapolei, Hawaii 96707
	Description	Specifications
1	CHASSIS	
A	Vehicle Dimensions	Wheelbase: 130" (maximum) Overall length: 220" (maximum) Overall height: 98" (minimum) to 100" (maximum) Overall width: 81" (minimum)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum, 3.5L V6 engine
D	Transmission	OEM automatic 10 speed with overdrive, minimum
E	Tilt Wheel / Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature and ammeter or voltmeter Audio - Bluetooth capable AM/FM stereo radio with USB port and factory installed front and rear speakers
G	Alternator	Equipped with the heaviest duty alternator available from manufacturer
H	Battery	Dual (2) heavy duty, maintenance free OEM batteries
I	Brakes	Power assisted hydraulic front and rear disc with ABS anti-lock brakes Transmission mounted Parking brake with hand activated
j	Fuel Tank	25 gallon (minimum) Fuel tank shall be full at time of delivery
K	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front - Independent Macpherson-strut & stabilizer bar or approved equal Rear - Leaf spring and heavy duty gas shock absorbers or approved equal
L	Wheels and Tires	All season radial tires and wheels. Shall meet manufacturer and Federal GAWR requirements for GVWR of the vehicle. Tires shall be 235/65R16 black sidewall (BSW) all season or approved equal. Full size spare tire and wheel mounted on vehicle, 4-ton jack and tool kit Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provide upon delivery.
M	Radiator	Heavy-duty OEM radiator available for maximum cooling
N	Windshield Wipers	Variable intermittent
2	BODY (EXTERIOR)	
A	Insulation	Insulation in sides, roof, and rear that meets or exceeds all FMVSS requirements
B	Doors	OEM driver and passenger front doors with power locks, windows and mirrors Full height sliding OEM passenger side entry door and rear dual doors
C	Running Board	Full length powder coated aluminum, galvanized, or high grade stainless steel running board that extends from the rear passenger sliding door to the front passenger door or approved equal. See Attachment A

D	Driver's Step	Powdered coated aluminum, galvanized, or high grade stainless steel driver step or approved equal. See Attachment A
E	Windows	OEM seamless solid pane windows and OEM chassis manufacturer provided privacy tinted windows. Must meet all applicable FMVSS requirements
F	Emergency Signs	Red "EXIT" signs placed at emergency exits to meet FMVSS
G	Bumpers	Front and rear bumpers must be OEM manufacturer standards
H	Color (Paint)	OEM white finish
3	BODY (INTERIOR)	
A	Seating	OEM recliner driver & co-pilot seats with retractable seatbelt and shoulder harness Foldaway black or gray vinyl seats that meet FMVSS 302 burn resistance requirements. Seating shall consist of three (3) foldaways on the street side and 2 single fixed seats on the curb side. All three (3) foldaway seats shall be equipped with aisle side arm rests, wheelchair securement storage equal to Freedman TOSS on the bottom of seat. Two sets of seat belt extensions shall be provided
B	Air Bags	Driver and co-pilot seat air bags. Shall have additional OEM side curtain air bags throughout.
C	Grab Rails	Stainless steel grab rails located on left and right side of passenger entry
D	Panels	Interior wall and ceiling panels are to be OEM chassis manufacturer
E	Flooring	Steel reinforced wood floor on steel OEM floor or approved equal
4	EQUIPMENT	
A	Lights	Meets all Federal Motor Vehicle Safety Standards (FMVSS) OEM interior and exterior lights Driver dome, passenger courtesy & step well lights Step well light operated by door opener and/or driver with override switch on control panel Light to illuminate wheelchair lift operated by opening of lift door
B	Air conditioning	Front and rear OEM dash and ducted rear air conditioning, defroster, and heat
C	Mirrors	Interior rear view: manufacturer standard Right and left exterior: power adjustable from driver's seat
D	Sun Visor	Driver/front-passenger sun visors-vinyl trimmed
E	Back-up Alarm	Reverse alarm and reverse sensing system
F	Reverse Camera	OEM Reverse camera and dash monitor
G	Spare Keys	Four (4) ignition keys are to be included with vehicle
5	SAFETY EQUIPMENT	
A	Emergency Reflectors	Mounted and removable kit containing three (3) reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body 2.5 lb., 2A10BC, dry chemical, mounted for easy access to driver but not impede the ingress and egress of passengers
6	WHEELCHAIR SECUREMENT AREA	
A	Wheelchair Position(s)	Two (2) wheelchair positions - See Attachment A
B	Wheelchair Securement System	Two (2) sets of wheelchair securement devices, Q-Straint model 8100 deluxe with L track or approved equal. See Attachment A
C	Lap and Shoulder Restraint	All lap and shoulder restraint shall match up with the Q-Straint model 8100 retractor or approved equal. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., Braun Century or approved equal. Located at the rear of vehicle - See Attachment A

<p align="center">Item 21 Fourteen (14) Passenger; Three (3) Wheelchair Positions Lift Located Curbside Immediately Rear of Front Entrance</p>		
Seating Capacity		14 Ambulatory; 3 Wheelchairs
Vehicle Classification:		Light Duty Motor Vehicle
Delivery Information:		Kona Association for Retarded Citizens dba The Arc of Kona 81-1065 Konawaena School Road Kealahou, Hawaii 96750
	Description	Specifications
1	CHASSIS	
A	Vehicle dimensions	Wheelbase: 158" (min) Exterior width: 94" (min)
8	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum 7.3L V-8 gasoline engine
D	Transmission	minimum 6-speed automatic transmission with overdrive and auxiliary cooler
E	Tilt Wheel/ Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator Intermotive or approved equal, wheelchair interlock and fast idle system with both automatic and manual fast idle functions
G	Sound System	Bluetooth capable AM/FM stereo radio with clock, USB port and factory installed front and rear speakers
H	Alternator	Equipped with the heaviest duty alternator available from manufacturer
I	Battery	Dual batteries, 600 CCA (min), in body compartment on slide out tray with stainless steel roller bearings
J	Brakes	Power dual hydraulic front and rear disc with ABS anti-lock brakes Parking brake with foot pedal apply
K	Fuel Tank	Fifty (55) gallon with key locking fuel door Fuel tank shall be full at time of delivery
L	AxleGAWR	Front: 5,000 lbs (min) or manufacturer's GAWR (whichever is greater) Rear: 8,500 lbs (min) or manufacturer's GAWR (whichever is greater) Axle ratio suitable for use in both city and highway driving
M	Drive Shaft	Protective metal guard(s) for the driveline shaft(s) installed
N	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front suspension shall be OEM with shock absorbers and stabilizer bar Heavy duty multi leaf spring rear suspension with shock absorbers and MORryde rear add-on rubber suspension or equal
O	Wheels and Tires	Six (6) radial tires, single front, dual rear, highway tread and rating suitable for GVWR No spare tire needed Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provided upon delivery
P	Radiator	OEM heavy-duty radiator available for maximum cooling
Q	Windshield Wipers	Two (2) speed with interval option and washer

2 BODY (EXTERIOR)		
A	Structure	Meets all applicable FMVSS
B	Insulation	Minimum 1" insulation in body sides, rear, and roof.
C	Doors	Curbside front entrance: Power operated door with a two (2) panel design. The entry door frame to be constructed with stainless steel. Control from the driver's seat. Rear emergency door: Glass in upper and lower sections Labeled "EMERGENCY DOOR" with 2" lettering inside and outside side Sliding bar latch with buzzer and door lock that disables starter and buzzes when door is locked Arrow indicating direction of door handle action inside and outside Decals or lettering indicating location and opening instructions
D	Step Wells	Individual step risers shall be a maximum of 9.5" in height with step tread a minimum of 8.5" deep Bottom step tread shall not exceed 12.5" from the the ground unloaded Equipped with LED stepwell light
E	Handrails	Stainless steel sloping grab rails located both sides of the entrance door
F	Windows	All tinted including shaded windshield Passenger windows: Horizontal sliding sash or "T type" Factory tinted Two (2) push out emergency windows per side with buzzers and lettering or decals to indicate location and opening instructions
G	'Bumpers	Front OEM chrome and rear painted steel bump
H	Color (Paint)	OEM white finish
3 BODY (INTERIOR)		
A	Dimensions	Headroom: 75" (min) Interior width: 85" (min) Aisle width: 16" (min) for the entire length of passenger compartment
B	Seating	Driver's: High back, adjustable fore and aft with right armrest Retractable 3 point seat belt Level 4 upholstery (min.) With the following adjustments: Forward and back Backrest pitch All Passenger's: Forward facing foldaway seats with arm rests, contoured foam seat cushion and back. Seat cushion depth shall be a minimum of 15". All seats lock to secure in place when in use, integrated 3-point retractable seat belt system that meets or exceeds all FMVSS requirements, and two (2) padded grab/assist handles shall be mounted on top of seats. All seats shall be spaced on a minimum of 30" seat centers allowing 17.5" (min) leg space between the front of the bottom cushion and the back of the next forward seat. All seats shall be covered with Level 4 vinyl upholstery (min.). Two (2) seat belt extenders to be of same manufacturer as main belt.
C	Flooring	Shall be covered with a minimum of 5/8" marine grade plywood, treated to resist moisture and decomposition, over high grade steel subfloor. Altro Transfer Meta or Gerflor Sirius flooring or equal throughout the passenger compartment and on the stepreads. Cove flooring to sidewalls

4	EQUIPMENT	
A	Interior Lights	All interior lighting is to be LED type Driver dome, passenger courtesy and stepwell lights Light at emergency exit Light to illuminate wheelchair lift operated by opening of lift door
B	Exterior Lights	All exterior lighting is to be LED type Three (3) front amber identification lights Three (3) rear red identification lights Daytime running lights
C	Air conditioning	Front OEM with defroster and heater Separate rear air conditioning system, 60,000 BTU (min). The BTU rating of the rear <i>axle unit</i> is to be rated as a stand alone system and not be included in the BTU rating of the OEM dash <i>axle unit</i> . The <i>axle system</i> shall include the OEM compressor and an additional 13 cubic inch compressor for the passenger area axle. Separate controls located in the driver's area for front and rear unit
D	Mirrors	7" min. rear view mirror that switches into a reverse camera when reversing Exterior side view: dual mirrors with electric remote control functions for both lenses
E	Reverse Backup Sensor	Backup warning signal and sonar warning system that gives both an audible signal and a visual digital distance readout in the driver's area.
F	Reverse Camera	Backup camera with monitor built into the rear view mirror
5	SAFETY EQUIPMENT	
A	Emergency Reflectors	Mounted and removable kit containing 3 reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body fire extinguisher: Mounted for easy access to driver but not impede the ingress and egress of passengers 5 lb., 2A10BC, dry chemical
6	WHEELCHAIR SECUREMENT AREA	
A	Wheelchair Position(s)	Three (3) wheelchair positions - See Attachment A
B	Wheelchair Securement System	Three (3) sets of wheelchair securement system equal to the Q-Straint 8100 deluxe utilizing L track - See Attachment A Restraint system with retractable and adjustable shoulder harness. All foldaway seats shall have the tie down storage system for the w/c securements. Each w/c position shall include webbing loops.
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., a platform size of 34" x 54". Braun Century or approved equal. Vehicle shall be equipped with a wheelchair interlock system.
E	Wheelchair Lift Location	Rear of passenger entry door on right side of the vehicle

Item 22		
Fourteen (14) Passenger; Three (3) Wheelchair Positions Lift Located Curbside Immediately Rear of Front Entrance		
Seating Capacity	14 Ambulatory; 3 Wheelchairs	
Vehicle Classification:	Light Duty Motor Vehicle	
Delivery Information:	County of Kauai Transportation Agency 3220 Hoolako St. Lihue, Hawaii 96766	
	Description	Specifications
1	CHASSIS	
A	Vehicle dimensions	Wheelbase: 158" (min) Exterior width: 94" (min)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum 7.3L V-8 gasoline engine
D	Transmission	minimum 6-speed automatic transmission with overdrive and auxiliary cooler
E	Tilt Wheel/ Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator Intermotive or approved equal, wheelchair interlock and fast idle system with both automatic and manual fast idle functions
G	Sound System	Bluetooth capable AM/FM stereo radio with clock, USB port and factory installed front and rear speakers
H	Alternator	Equipped with the heaviest duty alternator available from manufacturer
I	Battery	Dual batteries, 600 CCA (min), in body compartment on slide out tray with stainless steel roller bearings
J	Brakes	Power dual hydraulic front and rear disc with ABS anti-lock brakes Parking brake with foot pedal apply
K	Fuel Tank	Fifty (55) gallon with key locking fuel door Fuel tank shall be full at time of delivery
L	Axle GAWR	Front: 5,000 lbs (min) or manufacturer's GAWR (whichever is greater) Rear: 8,500 lbs (min) or manufacturer's GAWR (whichever is greater) Axle ratio suitable for use in both city and highway driving
M	Drive Shaft	Protective metal guard(s) for the driveline shaft(s) installed
N	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front suspension shall be OEM with shock absorbers and stabilizer bar Heavy duty multi leaf spring rear suspension with shock absorbers and MORryde rear add-on rubber suspension or equal
O	Wheels and Tires	Six (6) radial tires, single front, dual rear, highway tread and rating suitable for GVWR No spare tire needed Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provided upon delivery
P	Radiator	OEM heavy-duty radiator available for maximum cooling
Q	Windshield Wipers	Two (2) speed with interval option and washer

2	BODY (EXTERIOR)	
A	Structure	Meets all applicable FMVSS
B	Insulation	Minimum 1" insulation in body sides, rear, and roof.
C	Doors	Curbside front entrance: Power operated door with a two (2) panel design. The entry door frame to be constructed with stainless steel. Control from the driver's seat. Rear emergency door: Glass in upper and lower sections Labeled "EMERGENCY DOOR" with 2" lettering inside and outside side Sliding bar latch with buzzer and door lock that disables starter and buzzes when door is locked Arrow indicating direction of door handle action inside and outside Decals or lettering indicating location and opening instructions
D	Step Wells	Individual step risers shall be a maximum of 9.5" in height with step tread a minimum of 8.5" deep Bottom step tread shall not exceed 12.5" from the the ground unloaded Equipped with LED stepwell light
E	Handrails	Stainless steel sloping grab rails located both sides of the entrance door
F	Windows	All tinted including shaded windshield Passenger windows: Horizontal sliding sash or "T type" Factory tinted Two (2) push out emergency windows per side with buzzers and lettering or decals to indicate location and opening instructions
G	'Bumpers	Front OEM chrome and rear painted steel bump
H	Color (Paint)	OEM white finish
3	BODY (INTERIOR)	
A	Dimensions	Headroom: 75" (min) Interior width: 85" (min) Aisle width: 16" (min) for the entire length of passenger compartment
B	Seating	Driver's: High back, adjustable fore and aft with right armrest Retractable 3 point seat belt Level 4 upholstery (min.) With the following adjustments: Forward and back Backrest pitch All Passengers: Forward facing foldaway seats with arm rests, contoured foam seat cushion and back. Seat cushion depth shall be a minimum of 15". All seats lock to secure in place when in use, integrated 3-point retractable seat belt system that meets or exceeds all FMVSS requirements, and two (2) padded grab/assist handles shall be mounted on top of seats. All seats shall be spaced on a minimum of 30" seat centers allowing 17.5" (min) leg space between the front of the bottom cushion and the back of the next forward seat. All seats shall be covered with Level 4 vinyl upholstery (min.). Two (2) seat belt extenders to be of same manufacturer as main belt.
C	Flooring	Shall be covered with a minimum of 5/8" marine grade plywood, treated to resist moisture and decomposition, over high grade steel subfloor. Altro Transfer Meta or Gerflor Sirius flooring or equal throughout the passenger compartment and on the stepreads. Cove flooring to sidewalls

4	EQUIPMENT	
A	Interior Lights	All interior lighting is to be LED type Driver dome, passenger courtesy and stepwell lights Light at emergency exit Light to illuminate wheelchair lift operated by opening of lift door
B	Exterior Lights	All exterior lighting is to be LED type Three (3) front amber identification lights Three (3) rear red identification lights Daytime running lights
C	Air conditioning	Front OEM with defroster and heater Separate rear air conditioning system, 60,000 BTU (min). The BTU rating of the rear <i>axle unit</i> is to be rated as a stand alone system and not be included in the BTU rating of the OEM dash <i>axle unit</i> . The <i>axle system</i> shall include the OEM compressor and an additional 13 cubic inch compressor for the passenger area axle. Separate controls located in the driver's area for front and rear unit
D	Mirrors	7" min. rear view mirror that switches into a reverse camera when reversing Exterior side view: dual mirrors with electric remote control functions for both lenses
E	Reverse Backup Sensor	Backup warning signal and sonar warning system that gives both an audible signal and a visual digital distance readout in the driver's area.
F	Reverse Camera	Backup camera with monitor built into the rear view mirror
5	SAFETY EQUIPMENT	
A	Emergency Reflectors	Mounted and removable kit containing 3 reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body fire extinguisher: Mounted for easy access to driver but not impede the ingress and egress of passengers 5 lb., 2A10BC, dry chemical
6	WHEELCHAIR SECUREMENT AREA	
A	Wheelchair Position(s)	Three (3) wheelchair positions - See Attachment A
B	Wheelchair Securement System	Three (3) sets of wheelchair securement system equal to the Q-Strait 8100 deluxe utilizing L track - See Attachment A Restraint system with retractable and adjustable shoulder harness. All foldaway seats shall have the tie down storage system for the w/c securements. Each w/c position shall include webbing loops.
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., a platform size of 34" x 54". Braun Century or approved equal. Vehicle shall be equipped with a wheelchair interlock system.
E	Wheelchair Lift Location	Rear of passenger entry door on right side of the vehicle

<p align="center">Item 23 Ten (10) Passenger Van; Mid Roof; Two (2) Wheelchair Positions Lift Located Rear of Vehicle</p>		
Seating Capacity	10 Ambulatory (includes driver); 2 Wheelchairs	
Vehicle Classification:	Light Duty Motor Vehicle	
Delivery Information:	<p align="center">Maui Adult Day Care Centers 11 Mahaolu St Ste B Kahului, Hawaii 96732</p>	
	Description	Specifications
1	CHASSIS	
A	Vehicle Dimensions	Wheelbase: 130" (maximum) Overall length: 220" (maximum) Overall height: 98" (minimum) to 100" (maximum) Overall width: 81" (minimum)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum, 3.5L V6 engine
D	Transmission	OEM automatic 10 speed with overdrive, minimum
E	Tilt Wheel / Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature and ammeter or voltmeter Audio - Bluetooth capable AM/FM stereo radio with USB port and factory installed front and rear speakers
G	Alternator	Equipped with the heaviest duty alternator available from manufacturer
H	Battery	Dual (2) heavy duty, maintenance free OEM batteries
I	Brakes	Power assisted hydraulic front and rear disc with ABS anti-lock brakes Transmission mounted Parking brake with hand activated
J	Fuel Tank	25 gallon (minimum) Fuel tank shall be full at time of delivery
K	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front - Independent Macpherson-strut & stabilizer bar or approved equal Rear - Leaf spring and heavy duty gas shock absorbers or approved equal
L	Wheels and Tires	All season radial tires and wheels. Shall meet manufacturer and Federal GAWR requirements for GVWR of the vehicle. Tires shall be 235/65R16 black sidewall (BSW) all season or approved equal. Full size spare tire and wheel mounted on vehicle, 4-ton jack and tool kit Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provide upon delivery.
M	Radiator	Heavy-duty OEM radiator available for maximum cooling
N	Windshield Wipers	Variable intermittent
2	BODY (EXTERIOR)	
A	Insulation	Insulation in sides, roof, and rear that meets or exceeds all FMVSS requirements
B	Doors	OEM driver and passenger front doors with power locks, windows and mirrors Full height sliding OEM passenger side entry door and rear dual doors
C	Running Board	Full length powder coated aluminum, galvanized, or high grade stainless steel running board that extends from the rear passenger sliding door to the front passenger door or approved equal. See Attachment A

D	Driver's Step	Powdered coated aluminum, galvanized, or high grade stainless steel driver step or approved equal. See Attachment A
E	Windows	OEM seamless solid pane windows and OEM chassis manufacturer provided privacy tinted windows. Must meet all applicable FMVSS requirements
F	Emergency Signs	Red "EXIT" signs placed at emergency exits to meet FMVSS
G	Bumpers	Front and rear bumpers must be OEM manufacturer standards
H	Color (Paint)	OEM white finish
3	BODY (INTERIOR)	
A	Seating	OEM recliner driver & co-pilot seats with retractable seatbelt and shoulder harness Foldaway black or gray vinyl seats that meet FMVSS 302 burn resistance requirements. Seating shall consist of three (3) foldaways on the street side and 2 single fixed seats on the curb side. All three (3) foldaway seats shall be equipped with aisle side arm rests, wheelchair securement storage equal to Freedman TOSS on the bottom of seat. Two sets of seat belt extensions shall be provided
B	Air Bags	Driver and co-pilot seat air bags. Shall have additional OEM side curtain air bags throughout.
C	Grab Rails	Stainless steel grab rails located on left and right side of passenger entry
D	Panels	Interior wall and ceiling panels are to be OEM chassis manufacturer
E	Flooring	Steel reinforced wood floor on steel OEM floor or approved equal
4	EQUIPMENT	
A	Lights	Meets all Federal Motor Vehicle Safety Standards (FMVSS) OEM interior and exterior lights Driver dome, passenger courtesy & step well lights Step well light operated by door opener and/or driver with override switch on control panel. Light to illuminate wheelchair lift operated by opening of lift door
B	Air conditioning	Front and rear OEM dash and ducted rear air conditioning, defroster, and heat
C	Mirrors	Interior rear view: manufacturer standard Right and left exterior: power adjustable from driver's seat
D	Sun Visor	Driver/front-passenger sun visors-vinyl trimmed
E	Back-up Alarm	Reverse alarm and reverse sensing system
F	Reverse Camera	OEM Reverse camera and dash monitor
G	Spare Keys	Four (4) ignition keys are to be included with vehicle
5	SAFETY EQUIPMENT	
A	Emergency Reflectors	Mounted and removable kit containing three (3) reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body 2.5 lb., 2A10BC, dry chemical, mounted for easy access to driver but not impede the ingress and egress of passengers
6	WHEELCHAIR SECUREMENT AREA	
A	Wheelchair Position(s)	Two (2) wheelchair positions - See Attachment A.
B	Wheelchair Securement System	Two (2) sets of wheelchair securement devices, Q-Straint model 8100 deluxe with L track or approved equal. See Attachment A.
C	Lap and Shoulder Restraint	All lap and shoulder restraint shall match up with the Q-Straint model 8100 retractor or approved equal. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., Braun Century or approved equal. Located at the rear of vehicle - See Attachment A.

<p align="center">Item 24 Low Floor Minivan; One (1) Wheelchair Position Manual Bi-Fold Swing-Away Ramp</p>		
Seating Capacity		6 Ambulatory (includes driver); 1 Wheelchair
Vehicle Classification:		Light Duty Motor Vehicle
Delivery Information:		Arc of Maui County 140 N. Market St. Wailuku, Hawaii 96793
Description		Specifications
1	CHASSIS	
A	Vehicle Dimensions	Wheelbase: 121" (min) Overall length: 202" (min) Overall height: 68" (min) Overall width: 78" (min)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	minimum 3.6 L, V-6, gasoline engine with electronic fuel injection
D	Transmission	minimum 6-speed automatic, electronically controlled with overdrive
E	Tilt Wheel/ Power Steering	Equipped with power steering and a tilt steering column, adjustable for various up and down positions.
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator light. OEM tilt steering wheel and cruise control Audio - Bluetooth capable AM/FM stereo with USB port and factory installed speakers
G	Back-up Alarm	Reverse alarm and reverse sensing system
H	Reverse Camera	OEM reverse camera and dash monitor
I	Alternator	Equipped with heaviest duty alternator available from manufacturer
J	Battery	Equipped with heaviest duty battery available from manufacturer
K	Brakes	Shall be power-assisted 4-wheel disc type, anti-lock braking system. OEM parking brake assemblies and dash warning light
L	Fuel Tank	Equipped with largest available from manufacturer. Tank, fuel lines and hardware must meet all current FMVSS and EPA requirements. Fuel tank shall be full at time of delivery
M	Suspension	Front: OEM suspension and components with heavy duty shock absorbers Rear: Heavy duty load-leveling air suspension with heavy duty shock absorbers Substitution: Spacers added to the front and rear OEM suspension Shall maintain ground clearance and meet all ADA requirements for entry when a ramp is utilized

N	Wheels and Tires	All tires shall be from the same manufacturer and all season, tubeless, steel radial blackwall. Shall be the largest size available from the vehicle manufacturer to meet the GVWR rating. Aluminum wheels required, if wheel covers are not provided. Tire pressure monitoring sensor. OEM spare tire, includes jack and tool kit.
O	Radiator	OEM radiator, heaviest duty available for maximum cooling
P	Windshield Wipers	Front: 2 speed with interval option and washer Rear: wiper/washer
Q	Alignment	Shall have a four (4) wheel alignment at final point of inspection, just prior to delivery
2 BODY AND EQUIPMENT		
A	Bumpers	Front and rear bumper shall be OEM
B	Doors	OEM driver and passenger front doors with power locks Manual driver and passenger side (mobility ramp) sliding doors Rear door emergency exit with quick release, manual override for opening the locked door from inside the vehicle. Shall provide decal showing operating instructions.
C	Windows	Equipped with power windows and OEM standard tinted windows
D	Color (Paint)	OEM white exterior paint
E	Seating	All seats shall be covered with vinyl and must comply with FMVSS. Seat colors shall match the OEM seats color of beige or grey. Driver seat: OEM power and fixed Front passenger seat: OEM and removable to roll out for mobility aid access/securement. 2nd row seat: forward facing 2-passenger fold-away seat with seat belts and shall be positioned in the wheelchair securement area. 3rd row rear bench seat to accommodate 2 passengers with foot rest
F	Grab Handles	Factory installed OEM
G	Mobility Aid Ramp	Side or rear entry, fold-out manual wheelchair ramp Shall have minimum usable width of 30" and a slope meeting the requirements of ADA, 49 CFR Surface shall be continuous and made skid resistant through powder coating and a rated capacity of 800 lb. or greater.
H	Lighting	All vehicle lighting shall conform to ADA 49 CFR, Part 38, Subpart B OEM interior and exterior lights Daytime running lights
I	Air conditioning	OEM heating/defrosting and air conditioning system with vents front and rear
J	Flooring	Anti-slip ADA flooring. Gray Altro or equivalent.
K	Mirrors	Interior rear view: manufacturer standard OEM left and right exterior manual folding mirror
L	Sun Visor	Driver/front-passenger sun visors-vinyl trimmed

3	SAFETY EQUIPMENT	
A	Emergency Reflectors	Mounted and removable kit containing three reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 10 unit conforms to DOT and OSHA requirements
C	Fire Extinguishers	Metal body 2.5 lb., 2A10BC, dry chemical, mounted for easy access to driver but not impede the ingress and egress of passengers
4	WHEELCHAIR SECUREMENT AREA	
A	Wheelchair Position(s)	One (1) Wheelchair Position
B	Wheelchair Securement System	Shall be installed according to ADA requirements. Securement location shall be located in one (1) position; wheelchair position shall be in the center of the vehicle behind the driver and passenger seats. Q'Straint wheelchair restraint track system or approved equal Provide storage method for tie downs when not in use
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A.

<p align="center">Item 25 Ten (10) Passenger Van; Mid Roof; Two (2) Wheelchair Positions Lift Located Rear of Vehicle</p>		
Seating Capacity		10 Ambulatory (includes driver); 2 Wheelchairs
Vehicle Classification:		Light Duty Motor Vehicle
Delivery Information:		Hale Makua Health Services 472 Kaulana Street Kahului, Hawaii 96732
	Description	Specifications
1	CHASSIS	
A	Vehicle Dimensions	Wheelbase: 130" (maximum) Overall length: 220" (maximum) Overall height: 98" (minimum) to 100" (maximum) Overall width: 81" (minimum)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum, 3.5L V6 engine
D	Transmission	OEM automatic 10 speed with overdrive, minimum
E	Tilt Wheel / Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature and ammeter or voltmeter Audio - Bluetooth capable AM/FM stereo radio with USB port and factory installed front and rear speakers
G	Alternator	Equipped with the heaviest duty alternator available from manufacturer
H	Battery	Dual (2) heavy duty, maintenance free OEM batteries
I	Brakes	Power assisted hydraulic front and rear disc with ABS anti-lock brakes Transmission mounted Parking brake with hand activated
J	Fuel Tank	25 gallon (minimum) Fuel tank shall be full at time of delivery
K	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front - Independent Macpherson-strut & stabilizer bar or approved equal Rear - Leaf spring and heavy duty gas shock absorbers or approved equal
L	Wheels and Tires	All season radial tires and wheels. Shall meet manufacturer and Federal GAWR requirements for GVWR of the vehicle. Tires shall be 235/65R16 black sidewall (BSW) all season or approved equal. Full size spare tire and wheel mounted on vehicle, 4-ton jack and tool kit Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provide upon delivery.
M	Radiator	Heavy-duty OEM radiator available for maximum cooling
N	Windshield Wipers	Variable intermittent
2	BODY (EXTERIOR)	
A	Insulation	Insulation in sides, roof, and rear that meets or exceeds all FMVSS requirements
B	Doors	OEM driver and passenger front doors with power locks, windows and mirrors Full height sliding OEM passenger side entry door and rear dual doors
C	Running Board	Full length powder coated aluminum, galvanized, or high grade stainless steel running board that extends from the rear passenger sliding door to the front passenger door or approved equal. See Attachment A

D	Driver's Step	Powdered coated aluminum, galvanized, or high grade stainless steel driver step or approved equal. See Attachment A
E	Windows	OEM seamless solid pane windows and OEM chassis manufacturer provided privacy tinted windows. Must meet all applicable FMVSS requirements
F	Emergency Signs	Red "EXIT" signs placed at emergency exits to meet FMVSS
G	Bumpers	Front and rear bumpers must be OEM manufacturer standards
H	Color (Paint)	OEM white finish
3	BODY (INTERIOR)	
A	Seating	OEM recliner driver & co-pilot seats with retractable seatbelt and shoulder harness Foldaway black or gray vinyl seats that meet FMVSS 302 burn resistance requirements. Seating shall consist of three (3) foldaways on the street side and 2 single fixed seats on the curb side. All three (3) foldaway seats shall be equipped with aisle side arm rests, wheelchair securement storage equal to Freedman TOSS on the bottom of seat. Two sets of seat belt extensions shall be provided
B	Air Bags	Driver and co-pilot seat air bags. Shall have additional OEM side curtain air bags throughout.
C	Grab Rails	Stainless steel grab rails located on left and right side of passenger entry
D	Panels	Interior wall and ceiling panels are to be OEM chassis manufacturer
E	Flooring	Steel reinforced wood floor on steel OEM floor or approved equal
4	EQUIPMENT	
A	Lights	Meets all Federal Motor Vehicle Safety Standards (FMVSS) OEM interior and exterior lights Driver dome, passenger courtesy & step well lights Step well light operated by door opener and/or driver with override switch on control panel. Light to illuminate wheelchair lift operated by opening of lift door
B	Air conditioning	Front and rear OEM dash and ducted rear air conditioning, defroster, and heat
C	Mirrors	Interior rear view: manufacturer standard Right and left exterior: power adjustable from driver's seat
D	Sun Visor	Driver/front-passenger sun visors-vinyl trimmed
E	Back-up Alarm	Reverse alarm and reverse sensing system
F	Reverse Camera	OEM Reverse camera and dash monitor
G	Spare Keys	Four (4) ignition keys are to be included with vehicle
5	SAFETY EQUIPMENT	
A	Emergency Reflectors	Mounted and removable kit containing three (3) reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body 2.5 lb., 2A10BC, dry chemical, mounted for easy access to driver but not impede the ingress and egress of passengers
6	WHEELCHAIR SECUREMENT AREA	
A	Wheelchair Position(s)	Two (2) wheelchair positions - See Attachment A
B	Wheelchair Securement System	Two (2) sets of wheelchair securement devices, Q-Straint model 8100 deluxe with L track or approved equal. See Attachment A
C	Lap and Shoulder Restraint	All lap and shoulder restraint shall match up with the Q-Straint model 8100 retractor or approved equal. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., Braun Century or approved equal. Located at the rear of vehicle - See Attachment A

Item 26 Fourteen (14) Passenger; Three (3) Wheelchair Positions Lift Located Curbside Immediately Rear of Front Entrance		
Seating Capacity	14 Ambulatory; 3 Wheelchairs	
Vehicle Classification:	Light Duty Motor Vehicle	
Delivery Information:	Maui Adult Care Centers 11 Mahaolu St Ste B Kahului, Hawaii 96732	
	Description	Specifications
1	CHASSIS	
A	Vehicle dimensions	Wheelbase: 158" (min) Exterior width: 94" (min)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum 7.3L V-8 gasoline engine
D	Transmission	minimum 6-speed automatic transmission with overdrive and auxiliary cooler
E	Tilt Wheel / Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator Intermotive or approved equal, wheelchair interlock and fast idle system with both automatic and manual fast idle functions
G	Sound System	Bluetooth capable AM/FM stereo radio with clock, USB port and factory installed front and rear speakers
H	Alternator	Equipped with the heaviest duty alternator available from manufacturer
I	Battery	Dual batteries, 600 CCA (min), in body compartment on slide out tray with stainless steel roller bearings
J	Brakes	Power dual hydraulic front and rear disc with ABS anti-lock brakes Parking brake with foot pedal apply
K	Fuel Tank	Fifty (55) gallon with key locking fuel door Fuel tank shall be full at time of delivery
L	Axle GAWR	Front: 5,000 lbs (min) or manufacturer's GAWR (whichever is greater) Rear: 8,500 lbs (min) or manufacturer's GAWR (whichever is greater) Axle ratio suitable for use in both city and highway driving
M	Drive Shaft	Protective metal guard(s) for the driveline shaft(s) installed
N	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front suspension shall be OEM with shock absorbers and stabilizer bar Heavy duty multi leaf spring rear suspension with shock absorbers and MORryde rear add-on rubber suspension or equal
O	Wheels and Tires	Six (6) radial tires, single front, dual rear, highway tread and rating suitable for GVWR No spare tire needed Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provided upon delivery
P	Radiator	OEM heavy-duty radiator available for maximum cooling
Q	Windshield Wipers	Two (2) speed with interval option and washer

2	BODY (EXTERIOR)	
A	Structure	Meets all applicable FMVSS
B	Insulation	Minimum 1" insulation in body sides, rear, and roof.
C	Doors	Curbside front entrance: Power operated door with a two (2) panel design. The entry door frame to be constructed with stainless steel. Control from the driver's seat. Rear emergency door: Glass in upper and lower sections Labeled "EMERGENCY DOOR" with 2" lettering inside and outside side Sliding bar latch with buzzer and door lock that disables starter and buzzes when door is locked Arrow indicating direction of door handle action inside and outside Decals or lettering indicating location and opening instructions
D	Step Wells	Individual step risers shall be a maximum of 9.5" in height with step tread a minimum of 8.5" deep Bottom step tread shall not exceed 12.5" from the the ground unloaded Equipped with LED stepwell Light
E	Handrails	Stainless steel sloping grab rails located both sides of the entrance door
F	Windows	All tinted including shaded windshield Passenger windows: Horizontal sliding sash or "T type" Factory tinted Two (2) push out emergency windows per side with buzzers and lettering or decals to indicate location and opening instructions
G	Bumpers	Front OEM chrome and rear painted steel bump
H	Color (Paint)	OEM white finish
3	BODY (INTERIOR)	
A	Dimensions	Headroom: 75" (min) Interior width: 85" (min) Aisle width: 16" (min) for the entire length of passenger compartment
B	Seating	Driver's: High back, adjustable fore and aft with right armrest Retractable 3 point seat belt Level 4 upholstery (min.) With the following adjustments: Forward and back Backrest pitch All Passenger's: Forward facing foldaway seats with arm rests, contoured foam seat cushion and back. Seat cushion depth shall be a minimum of 15". All seats lock to secure in place when in use, integrated 3-point retractable seat belt system that meets or exceeds all FMVSS requirements, and two (2) padded grab/assist handles shall be mounted on top of seats. All seats shall be spaced on a minimum of 30" seat centers allowing 17.5" (min) leg space between the front of the bottom cushion and the back of the next forward seat. All seats shall be covered with Level 4 vinyl upholstery (min.). Two (2) seat belt extenders to be of same manufacturer as main belt.
C	Flooring	Shall be covered with a minimum of 5/8" marine grade plywood, treated to resist moisture and decomposition, over high grade steel subfloor. Altro Transfer Meta or Gerflor Sirius flooring or equal throughout the passenger compartment and on the stepreads. Cove flooring to sidewalls

4 EQUIPMENT		
A	Interior Lights	All interior lighting is to be LED type Driver dome, passenger courtesy and stepwell lights Light at emergency exit Light to illuminate wheelchair lift operated by opening of lift door
B	Exterior Lights	All exterior lighting is to be LED type Three (3) front amber identification lights Three (3) rear red identification lights Daytime running lights
C	Air conditioning	Front OEM with defroster and heater Separate rear air conditioning system, 60,000 BTU (min). The BTU rating of the rear <i>axle unit</i> is to be rated as a stand alone system and not be included in the BTU rating of the OEM dash <i>axle unit</i> . The <i>axle system</i> shall include the OEM compressor and an additional 13 cubic inch compressor for the passenger area axle. Separate controls located in the driver's area for front and rear unit
D	Mirrors	7" min. rear view mirror that switches into a reverse camera when reversing Exterior side view: dual mirrors with electric remote control functions for both lenses
E	Reverse Backup Sensor	Backup warning signal and sonar warning system that gives both an audible signal and a visual digital distance readout in the driver's area.
F	Reverse Camera	Backup camera with monitor built into the rear view mirror
5 SAFETY EQUIPMENT		
A	Emergency Reflectors	Mounted and removable kit containing 3 reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body fire extinguisher: Mounted for easy access to driver but not impede the ingress and egress of passengers 5 lb., 2A10BC, dry chemical
6 WHEELCHAIR SECUREMENT AREA		
A	Wheelchair Positions	Three (3) wheelchair positions - See Attachment A.
B	Wheelchair Securement System	Three (3) sets of wheelchair securement system equal to the Q-Straint 8100 deluxe utilizing L track - See Attachment A. Restraint system with retractable and adjustable shoulder harness. All foldaway seats shall have the tie down storage system for the w/c securements. Each w/c position shall include webbing loops.
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., a platform size of 34" x 54". Braun Century or approved equal. Vehicle shall be equipped with a wheelchair interlock system.
E	Wheelchair Lift Location	Rear of passenger entry door on right side of the vehicle

Item 27		
Fourteen (14) Passenger; Three (3) Wheelchair Positions Lift Located Curbside Immediately Rear of Front Entrance		
Seating Capacity	14 Ambulatory; 3 Wheelchairs	
Vehicle Classification:	Light Duty Motor Vehicle	
Delivery Information:	Maui Economic Opportunity, Inc. 99 Mahalani Street Wailuku, Hawaii 96793	
	Description	Specifications
1	CHASSIS	
A	Vehicle dimensions	Wheelbase: 158" (min) Exterior width: 94" (min)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum 7.3L V-8 gasoline engine
D	Transmission	minimum 6-speed automatic transmission with overdrive and auxiliary cooler
E	Tilt Wheel / Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator Intermotive or approved equal, wheelchair interlock and fast idle system with both automatic and manual fast idle functions
G	Sound System	Bluetooth capable AM/FM stereo radio with clock, USB port and factory installed front and rear speakers
H	Alternator	Equipped with the heaviest duty alternator available from manufacturer
I	Battery	Dual batteries, 600 CCA (min), in body compartment on slide out tray with stainless steel roller bearings
J	Brakes	Power dual hydraulic front and rear disc with ABS anti-lock brakes Parking brake with foot pedal apply
K	Fuel Tank	Fifty (55) gallon with key locking fuel door Fuel tank shall be full at time of delivery
L	Axle GAWR	Front: 5,000 lbs (min) or manufacturer's GAWR (whichever is greater) Rear: 8,500 lbs (min) or manufacturer's GAWR (whichever is greater) Axle ratio suitable for use in both city and highway driving
M	Drive Shaft	Protective metal guard(s) for the driveline shaft(s) installed
N	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front suspension shall be OEM with shock absorbers and stabilizer bar Heavy duty multi leaf spring rear suspension with shock absorbers and MORryde rear add-on rubber suspension or equal
O	Wheels and Tires	Six (6) radial tires, single front, dual rear, highway tread and rating suitable for GVWR No spare tire needed Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provided upon delivery
P	Radiator	OEM heavy-duty radiator available for maximum cooling
Q	Windshield Wipers	Two (2) speed with interval option and washer

2	BODY (EXTERIOR)	
A	Structure	Meets all applicable FMVSS
B	Insulation	Minimum 1" insulation in body sides, rear, and roof.
C	Doors	Curbside front entrance: Power operated door with a two (2) panel design. The entry door frame to be constructed with stainless steel. Control from the driver's seat. Rear emergency door: Glass in upper and lower sections Labeled "EMERGENCY DOOR" with 2" lettering inside and outside side Sliding bar latch with buzzer and door lock that disables starter and buzzes when door is locked Arrow indicating direction of door handle action inside and outside Decals or lettering indicating location and opening instructions
D	Step Wells	Individual step risers shall be a maximum of 9.5" in height with step tread a minimum of 8.5" deep Bottom step tread shall not exceed 12.5" from the the ground unloaded Equipped with LED stepwell Light
E	Handrails	Stainless steel sloping grab rails located both sides of the entrance door
F	Windows	All tinted including shaded windshield Passenger windows: Horizontal sliding sash or "T type" Factory tinted Two (2) push out emergency windows per side with buzzers and lettering or decals to indicate location and opening instructions
G	Bumpers	Front OEM chrome and rear painted steel bump
H	Color (Paint)	OEM white finish
3	BODY (INTERIOR)	
A	Dimensions	Headroom: 75" (min) Interior width: 85" (min) Aisle width: 16" (min) for the entire length of passenger compartment
B	Seating	Driver's: High back, adjustable fore and aft with right armrest Retractable 3 point seat belt Level 4 upholstery (min.) With the following adjustments: Forward and back Backrest pitch All Passenger's: Forward facing foldaway seats with arm rests, contoured foam seat cushion and back. Seat cushion depth shall be a minimum of 15". All seats lock to secure in place when in use, integrated 3-point retractable seat belt system that meets or exceeds all FMVSS requirements, and two (2) padded grab/assist handles shall be mounted on top of seats. All seats shall be spaced on a minimum of 30" seat centers allowing 17.5" (min) leg space between the front of the bottom cushion and the back of the next forward seat. All seats shall be covered with Level 4 vinyl upholstery (min.). Two (2) seat belt extenders to be of same manufacturer as main belt.
C	Flooring	Shall be covered with a minimum of 5/8" marine grade plywood, treated to resist moisture and decomposition, over high grade steel subfloor. Altro Transfer Meta or Gerflor Sirius flooring or equal throughout the passenger compartment and on the stoptreads. Cove flooring to sidewalls

4 EQUIPMENT		
A	Interior Lights	All interior lighting is to be LED type Driver dome, passenger courtesy and stepwell lights Light at emergency exit Light to illuminate wheelchair lift operated by opening of lift door
B	Exterior Lights	All exterior lighting is to be LED type Three (3) front amber identification lights Three (3) rear red identification lights Daytime running lights
C	Air conditioning	Front OEM with defroster and heater Separate rear air conditioning system, 60,000 BTU (min). The BTU rating of the rear <i>axle unit</i> is to be rated as a stand alone system and not be included in the BTU rating of the OEM dash <i>axle unit</i> . The <i>axle system</i> shall include the OEM compressor and an additional 13 cubic inch compressor for the passenger area axle. Separate controls located in the driver's area for front and rear unit
D	Mirrors	7" min. rear view mirror that switches into a reverse camera when reversing Exterior side view: dual mirrors with electric remote control functions for both lenses
E	Reverse Backup Sensor	Backup warning signal and sonar warning system that gives both an audible signal and a visual digital distance readout in the driver's area.
F	Reverse Camera	Backup camera with monitor built into the rear view mirror
5 SAFETY EQUIPMENT		
A	Emergency Reflectors	Mounted and removable kit containing 3 reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body fire extinguisher: Mounted for easy access to driver but not impede the ingress and egress of passengers 5 lb., 2A10BC, dry chemical
6 WHEELCHAIR SECUREMENT AREA		
A	Wheelchair Positions	Three (3) wheelchair positions - See Attachment A
B	Wheelchair Securement System	Three (3) sets of wheelchair securement system equal to the Q-Strait 8100 deluxe utilizing L track - See Attachment A Restraint system with retractable and adjustable shoulder harness. All foldaway seats shall have the tie down storage system for the w/c securements. Each w/c position shall include webbing loops.
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., a platform size of 34" x 54". Braun Century or approved equal. Vehicle shall be equipped with a wheelchair interlock system.
E	Wheelchair Lift Location	Rear of passenger entry door on right side of the vehicle

<p align="center">Item 28 Fourteen (14) Passenger; Three (3) Wheelchair Positions Lift Located Curbside Immediately Rear of Front Entrance</p>		
Seating Capacity	14 Ambulatory; 3 Wheelchairs	
Vehicle Classification:	Light Duty Motor Vehicle	
Delivery Information:	<p align="center">Catholic Charities Hawaii 1822 Keeaumoku Street Honolulu, Hawaii 96822</p>	
	Description	Specifications
1	CHASSIS	
A	Vehicle dimensions	Wheelbase: 158" (min) Exterior width: 94" (min)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum 7.3L V-8 gasoline engine
D	Transmission	minimum 6-speed automatic transmission with overdrive and auxiliary cooler
E	Tilt Wheel / Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator Intermotive or approved equal, wheelchair interlock and fast idle system with both automatic and manual fast idle functions
G	Sound System	Bluetooth capable AM/FM stereo radio with clock, USB port and factory installed front and rear speakers
H	Alternator	Equipped with the heaviest duty alternator available from manufacturer
I	Battery	Dual batteries, 600 CCA (min), in body compartment on slide out tray with stainless steel roller bearings
J	Brakes	Power dual hydraulic front and rear disc with ABS anti-lock brakes Parking brake with foot pedal apply
K	Fuel Tank	Fifty (55) gallon with key locking fuel door Fuel tank shall be full at time of delivery
L	Axle GAWR	Front: 5,000 lbs (min) or manufacturer's GAWR (whichever is greater) Rear: 8,500 lbs (min) or manufacturer's GAWR (whichever is greater) Axle ratio suitable for use in both city and highway driving
M	Drive Shaft	Protective metal guard(s) for the driveline shaft(s) installed
N	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front suspension shall be OEM with shock absorbers and stabilizer bar Heavy duty multi leaf spring rear suspension with shock absorbers and MORryde rear add-on rubber suspension or equal
O	Wheels and Tires	Six (6) radial tires, single front, dual rear, highway tread and rating suitable for GVWR No spare tire needed Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provided upon delivery
P	Radiator	OEM heavy-duty radiator available for maximum cooling
Q	Windshield Wipers	Two (2) speed with interval option and washer

2	BODY (EXTERIOR)	
A	Structure	Meets all applicable FMVSS
B	Insulation	Minimum 1" insulation in body sides, rear, and roof.
C	Doors	<p>Curbside front entrance: Power operated door with a two (2) panel design. The entry door frame to be constructed with stainless steel. Control from the driver's seat.</p> <p>Rear emergency door: Glass in upper and lower sections Labeled "EMERGENCY DOOR" with 2" lettering inside and outside side Sliding bar latch with buzzer and door lock that disables starter and buzzes when door is locked Arrow indicating direction of door handle action inside and outside Decals or lettering indicating location and opening instructions</p>
D	Step Wells	<p>Individual step risers shall be a maximum of 9.5" in height with step tread a minimum of 8.5" deep Bottom step tread shall not exceed 12.5" from the the ground unloaded Equipped with LED stepwell Light</p>
E	Handrails	Stainless steel sloping grab rails located both sides of the entrance door
F	Windows	<p>All tinted including shaded windshield Passenger windows: Horizontal sliding sash or "T type" Factory tinted Two (2) push out emergency windows per side with buzzers and lettering or decals to indicate location and opening instructions</p>
G	Bumpers	Front OEM chrome and rear painted steel bump
H	Color (Paint)	OEM white finish
3	BODY (INTERIOR)	
A	Dimensions	<p>Headroom: 75" (min) Interior width: 85" (min) Aisle width: 16" (min) for the entire length of passenger compartment</p>
B	Seating	<p>Driver's: High back, adjustable fore and aft with right armrest Retractable 3 point seat belt Level 4 upholstery (min.) With the following adjustments: Forward and back Backrest pitch</p> <p>All Passenger's: Forward facing foldaway seats with arm rests, contoured foam seat cushion and back. Seat cushion depth shall be a minimum of 15". All seats lock to secure in place when in use, integrated 3-point retractable seat belt system that meets or exceeds all FMVSS requirements, and two (2) padded grab/assist handles shall be mounted on top of seats. All seats shall be spaced on a minimum of 30" seat centers allowing 17.5" (min) leg space between the front of the bottom cushion and the back of the next forward seat. All seats shall be covered with Level 4 vinyl upholstery (min.). Two (2) seat belt extenders to be of same manufacturer as main belt.</p>
C	Flooring	<p>Shall be covered with a minimum of 5/8" marine grade plywood, treated to resist moisture and decomposition, over high grade steel subfloor. Altro Transfer Meta or Gerflor Sirius flooring or equal throughout the passenger compartment and on the stoptreads. Cove flooring to sidewalls</p>

4 EQUIPMENT		
A	Interior Lights	All interior lighting is to be LED type Driver dome, passenger courtesy and stepwell lights Light at emergency exit Light to illuminate wheelchair lift operated by opening of lift door
B	Exterior Lights	All exterior lighting is to be LED type Three (3) front amber identification lights Three (3) rear red identification lights Daytime running lights
C	Air conditioning	Front OEM with defroster and heater Separate rear air conditioning system, 60,000 BTU (min). The BTU rating of the rear <i>axle unit</i> is to be rated as a stand alone system and not be included in the BTU rating of the OEM dash <i>axle unit</i> . The <i>axle system</i> shall include the OEM compressor and an additional 13 cubic inch compressor for the passenger area axle. Separate controls located in the driver's area for front and rear unit
D	Mirrors	7" min. rear view mirror that switches into a reverse camera when reversing Exterior side view: dual mirrors with electric remote control functions for both lenses
E	Reverse Backup Sensor	Backup warning signal and sonar warning system that gives both an audible signal and a visual digital distance readout in the driver's area.
F	Reverse Camera	Backup camera with monitor built into the rear view mirror
5 SAFETY EQUIPMENT		
A	Emergency Reflectors	Mounted and removable kit containing 3 reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body fire extinguisher: Mounted for easy access to driver but not impede the ingress and egress of passengers 5 lb., 2A10BC, dry chemical
6 WHEELCHAIR SECUREMENT AREA		
A	Wheelchair Positions	Three (3) wheelchair positions - See Attachment A.
B	Wheelchair Securement System	Three (3) sets of wheelchair securement system equal to the Q-Strait 8100 deluxe utilizing L track - See Attachment A Restraint system with retractable and adjustable shoulder harness. All foldaway seats shall have the tie down storage system for the w/c securements. Each w/c position shall include webbing loops.
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., a platform size of 34" x 54". Braun Century or approved equal. Vehicle shall be equipped with a wheelchair interlock system.
E	Wheelchair Lift Location	Rear of passenger entry door on right side of the vehicle

<p align="center">Item 29 Low Floor Minivan; One (1) Wheelchair Position Manual Bi-Fold Swing-Away Ramp</p>		
Seating Capacity		6 Ambulatory (includes driver); 1 Wheelchair
Vehicle Classification:		Light Duty Motor Vehicle
Delivery Information:		Opportunities and Resources, Inc. 64-1510 Kamehameha Hwy Wahiawa, Hawaii 96786
	Description	Specifications
1	CHASSIS	
A	Vehicle Dimensions	Wheelbase: 121" (min) Overall length: 202" (min) Overall height: 68" (min) Overall width: 78" (min)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	minimum 3.6 L, V-6, gasoline engine with electronic fuel injection
D	Transmission	minimum 6-speed automatic, electronically controlled with overdrive
E	Tilt Wheel/ Power Steering	Equipped with power steering and a tilt steering column, adjustable for various up and down positions.
F	Electrical	Dash-board instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator light. OEM tilt steering wheel and cruise control Audio - Bluetooth capable AM/FM stereo with USB port and factory installed speakers
G	Back-up Alarm	Reverse alarm and reverse sensing system
H	Reverse Camera	OEM reverse camera and dash monitor
I	Alternator	Equipped with heaviest duty alternator available from manufacturer
J	Battery	Equipped with heaviest duty battery available from manufacturer
K	Brakes	Shall be power-assisted 4-wheel disc type, anti-lock braking system. OEM parking brake assemblies and dash warning light
L	Fuel Tank	Equipped with largest available from manufacturer. Tank, fuel lines and hardware must meet all current FMVSS and EPA requirements. Fuel tank shall be full at time of delivery
M	Suspension	Front: OEM suspension and components with heavy duty shock absorbers Rear: Heavy duty load-leveling air suspension with heavy duty shock absorbers Substitution: Spacers added to the front and rear OEM suspension Shall maintain ground clearance and meet all ADA requirements for entry when a ramp is utilized

N	Wheels and Tires	All tires shall be from the same manufacturer and all season, tubeless, steel radial blackwall. Shall be the largest size available from the vehicle manufacturer to meet the GVWR rating. Aluminum wheels required, if wheel covers are not provided. Tire pressure monitoring sensor. OEM spare tire, includes jack and tool kit.
O	Radiator	OEM radiator, heaviest duty available for maximum cooling
P	Windshield Wipers	Front: 2 speed with interval option and washer Rear: wiper/washer
Q	Alignment	Shall have a four (4) wheel alignment at final point of inspection, just prior to delivery
2 BODY AND EQUIPMENT		
A	Bumpers	Front and rear bumper shall be OEM
B	Doors	OEM driver and passenger front doors with power locks Manual driver and passenger side (mobility ramp) sliding doors Rear door emergency exit with quick release, manual override for opening the locked door from inside the vehicle. Shall provide decal showing operating instructions.
C	Windows	Equipped with power windows and OEM standard tinted windows
D	Color (Paint)	OEM white exterior paint
E	Seating	All seats shall be covered with viny and must comply with FMVSS. Seat colors shall match the OEM seats color of beige or grey. Driver seat: OEM power and fixed Front passenger seat: OEM and removable to roll out for mobility aid access/securement. 2nd row seat: forward facing 2-passenger fold-away seat with seat belts and shall be positioned in the wheelchair securement area. 3rd row rear bench seat to accommodate 2 passengers with foot rest
F	Grab Handles	Factory installed OEM
G	Mobility Aid Ramp	Side or rear entry, fold-out manual wheelchair ramp Shall have minimum usable width of 30" and a slope meeting the requirements of ADA, 49 CFR Surface shall be continuous and made skid resistant through powder coating and a rated capacity of 800 lb. or greater.
H	Lighting	All vehicle lighting shall conform to ADA 49 CFR, Part 38, Subpart B OEM interior and exterior lights Daytime running lights
I	Air conditioning	OEM heating/defrosting and air conditioning system with vents front and rear
J	Flooring	Anti-slip ADA flooring. Gray Altro or equivalent.
K	Mirrors	Interior rear view: manufacturer standard OEM left and right exterior manual folding mirror
L	Sun Visor	Driver/front-passenger sun visors-vinyl trimmed

3	SAFETY EQUIPMENT	
A	Emergency Reflectors	Mounted and removable kit containing three reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 10 unit conforms to DOT and OSHA requirements
C	Fire Extinguishers	Metal body 2.5 lb., 2A10BC, dry chemical, mounted for easy access to driver but not impede the ingress and egress of passengers
4	WHEELCHAIR SECUREMENT AREA	
A	Wheelchair Position(s)	One (1) Wheelchair Position
B	Wheelchair Securement System	Shall be installed according to ADA requirements. Securement location shall be located in one (1) position; wheelchair position shall be in the center of the vehicle behind the driver and passenger seats. Q'Straint wheelchair restraint track system or approved equal Provide storage method for tie downs when not in use
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A.

<p align="center">Item 30 Fourteen (14) Passenger; Three (3) Wheelchair Positions Lift Located Curbside Immediately Rear of Front Entrance</p>		
Seating Capacity	<p align="center">14 Ambulatory; 3 Wheelchairs</p>	
Vehicle Classification:	<p align="center">Light Duty Motor Vehicle</p>	
Delivery Information:	<p align="center">ORI Anuenue Hale, Inc. 64-1488 Kamehameha Hwy Wahiawa, Hawaii 96786</p>	
	Description	Specifications
1	CHASSIS	
A	Vehicle dimensions	Wheelbase: 158" (min) Exterior width: 94" (min)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum 7.3L V-8 gasoline engine
D	Transmission	minimum 6-speed automatic transmission with overdrive and auxiliary cooler
E	Tilt Wheel/ Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator Intermotive or approved equal, wheelchair interlock and fast idle system with both automatic and manual fast idle functions
G	Sound System	Bluetooth capable AM/FM stereo radio with clock, USB port and factory installed front and rear speakers
H	Alternator	Equipped with the heaviest duty alternator available from manufacturer
I	Battery	Dual batteries, 600 CCA (min), in body compartment on slide out tray with stainless steel roller bearings
J	Brakes	Power dual hydraulic front and rear disc with ABS anti-lock brakes Parking brake with foot pedal apply
K	Fuel Tank	Fifty (55) gallon with key locking fuel door Fuel tank shall be full at time of delivery
L	Axle GAWR	Front: 5,000 lbs (min) or manufacturer's GAWR (whichever is greater) Rear: 8,500 lbs (min) or manufacturer's GAWR (whichever is greater) Axle ratio suitable for use in both city and highway driving
M	Drive Shaft	Protective metal guard(s) for the driveline shaft(s) installed
N	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front suspension shall be OEM with shock absorbers and stabilizer bar Heavy duty multi leaf spring rear suspension with shock absorbers and MORryde rear add-on rubber suspension or equal
O	Wheels and Tires	Six (6) radial tires, single front, dual rear, highway tread and rating suitable for GVWR. No spare tire needed. Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provided upon delivery.
P	Radiator	OEM heavy-duty radiator available for maximum cooling
Q	Windshield Wipers	Two (2) speed with interval option and washer

2	BODY (EXTERIOR)	
A	Structure	Meets all applicable FMVSS
B	Insulation	Minimum 1" insulation in body sides, rear, and roof.
C	Doors	Curbside front entrance: Power operated door with a two (2) panel design. The entry door frame to be constructed with stainless steel. Control from the driver's seat. Rear emergency door: Glass in upper and lower sections Labeled "EMERGENCY DOOR" with 2" lettering inside and outside side Sliding bar latch with buzzer and door lock that disables starter and buzzes when door is locked Arrow indicating direction of door handle action inside and outside Decals or lettering indicating location and opening instructions
D	Step Wells	Individual step risers shall be a maximum of 9.5" in height with step tread a minimum of 8.5" deep Bottom step tread shall not exceed 12.5" from the the ground unloaded Equipped with LED stepwell light
E	Handrails	Stainless steel sloping grab rails located both sides of the entrance door
F	Windows	All tinted including shaded windshield Passenger windows: Horizontal sliding sash or "T type" Factory tinted Two (2) push out emergency windows per side with buzzers and lettering or decals to indicate location and opening instructions
G	Bumpers	Front OEM chrome and rear painted steel bump
H	Color (Paint)	OEM white finish
3	BODY (INTERIOR)	
A	Dimensions	Headroom: 75" (min) Interior width: 85" (min) Aisle width: 16" (min) for the entire length of passenger compartment
B	Seating	Driver's: High back, adjustable fore and aft with right armrest Retractable 3 point seat belt Level 4 upholstery (min.) With the following adjustments: Forward and back Backrest pitch All Passenger's: Forward facing foldaway seats with arm rests, contoured foam seat cushion and back. Seat cushion depth shall be a minimum of 15". All seats lock to secure in place when in use, integrated 3-point retractable seat belt system that meets or exceeds all FMVSS requirements, and two (2) padded grab/assist handles shall be mounted on top of seats. All seats shall be spaced on a minimum of 30" seat centers allowing 17.5" (min) leg space between the front of the bottom cushion and the back of the next forward seat. All seats shall be covered with Level 4 vinyl upholstery (min.). Two (2) seat belt extenders to be of same manufacturer as main belt.
C	Flooring	Shall be covered with a minimum of 5/8" marine grade plywood, treated to resist moisture and decomposition, over high grade steel subfloor. Altro Transfor Meta or Gerflor Sirius flooring or equal throughout the passenger compartment and on the stepreads. Cove flooring to sidewalls

4	EQUIPMENT	
A	Interior Lights	All interior lighting is to be LED type Driver dome, passenger courtesy and stepwell lights Light at emergency exit Light to illuminate wheelchair lift operated by opening of lift door
B	Exterior Lights	All exterior lighting is to be LED type Three (3) front amber identification lights Three (3) rear red identification lights Daytime running lights
C	Air conditioning	Front OEM with defroster and heater Separate rear air conditioning system, 60,000 BTU (min). The BTU rating of the rear <i>axle unit</i> is to be rated as a stand alone system and not be included in the BTU rating of the OEM dash <i>axle unit</i> . The <i>axle system</i> shall include the OEM compressor and an additional 13 cubic inch compressor for the passenger area axle. Separate controls located in the driver's area for front and rear unit
D	Mirrors	7" min. rear view mirror that switches into a reverse camera when reversing Exterior side view: dual mirrors with electric remote control functions for both lenses
E	Reverse Backup Sensor	Backup warning signal and sonar warning system that gives both an audible signal and a visual digital distance readout in the driver's area.
F	Reverse Camera	Backup camera with monitor built into the rear view mirror
5	SAFETY EQUIPMENT	
A	Emergency Reflectors	Mounted and removable kit containing 3 reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body fire extinguisher: Mounted for easy access to driver but not impede the ingress and egress of passengers 5 lb., 2A10BC, dry chemical
6	WHEELCHAIR SECUREMENT AREA	
A	Wheelchair Position(s)	Three (3) wheelchair positions - See Attachment A.
B	Wheelchair Securement System	Three (3) sets of wheelchair securement system equal to the Q-Strait 8100 deluxe utilizing L track - See Attachment A Restraint system with retractable and adjustable shoulder harness. All foldaway seats shall have the tie down storage system for the w/c securements. Each w/c position shall include webbing loops.
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., a platform size of 34" x 54". Braun Century or approved equal. Vehicle shall be equipped with a wheelchair interlock system.
E	Wheelchair Lift Location	Rear of passenger entry door on right side of the vehicle

<p style="text-align: center;">Item 31 Ten (10) Passenger; Two (2) Wheelchairs Positions Manual Bi-Fold Swing-Away Ramp</p>		
Seating Capacity		10 Ambulatory (includes driver); 2 Wheelchairs
Vehicle Classification:		Light Duty Motor Vehicle
Delivery Information:		<p style="text-align: center;">Responsive Caregivers of Hawaii 91-1241 Saratoga Avenue Kapolei, Hawaii 96707</p>
	Description	Specifications
1	CHASSIS	
A	Vehicle Dimensions	Wheelbase: 121" (min) Overall length: 202" (min) Overall height: 68" (min) Overall width: 78" (min)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	minimum 3.6 L, V-6, gasoline engine with electronic fuel injection
D	Transmission	minimum 6-speed automatic, electronically controlled with overdrive
E	Tilt Wheel/ Power Steering	Equipped with power steering and a tilt steering column, adjustable for various up and down positions.
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator light. OEM tilt steering wheel and cruise control Audio - Bluetooth capable AM/FM stereo with USB port and factory installed speakers
G	Back-up Alarm	Reverse alarm and reverse sensing system
H	Reverse Camera	OEM reverse camera and dash monitor
I	Alternator	Equipped with heaviest duty alternator available from manufacturer
J	Battery	Equipped with heaviest duty battery available from manufacturer
K	Brakes	Shall be power-assisted 4-wheel disc type, anti-lock braking system. OEM parking brake assemblies and dash warning light
L	Fuel Tank	Equipped with largest available from manufacturer. Tank, fuel lines and hardware must meet all current FMVSS and EPA requirements. Fuel tank shall be full at time of delivery
M	Suspension	Front: OEM suspension and components with heavy duty shock absorbers Rear: Heavy duty load-leveling air suspension with heavy duty shock absorbers Shall maintain ground clearance and meet all ADA requirements for entry when a ramp is utilized

N	Wheels and Tires	All tires shall be from the same manufacturer and all season, tubeless, steel radial blackwall. Shall be the largest size available from the vehicle manufacturer to meet the GVWR rating and equipped with wheel covers Tire pressure monitoring sensor OEM spare tire, includes jack and tool kit
O	Radiator	OEM radiator, heaviest duty available for maximum cooling
P	Windshield Wipers	Front: 2 speed with interval option and washer Rear: wiper/washer
Q	Alignment	Shall have a four (4) wheel alignment at final point of inspection, just prior to delivery
2 BODY AND EQUIPMENT		
A	Bumpers	Front and rear bumper shall be OEM
B	Doors	OEM driver and passenger front doors with power locks Manual driver and passenger side (mobility ramp) sliding doors Rear door emergency exit with quick release, manual override for opening the locked door from inside the vehicle. Shall provide decal showing operating instructions.
C	Windows	Equipped with power windows and OEM standard tinted windows
D	Color (Paint)	OEM white exterior paint
E	Seating	All seats shall be covered with viny and must comply with FMVSS. Seat colors shall match the OEM seats color of beige or grey. Driver seat: OEM power and fixed Front passenger seat: OEM and removable to roll out for mobility aid access/securement. 2nd row seat: forward facing 2-passenger fold-away seat with seat belts and shall be positioned in the wheelchair securement area. 3rd row rear bench seat to accommodate 2 passengers with foot rest
F	Grab Handles	Factory installed OEM
G	Mobility Aid Ramp	Side or rear entry, fold-out manual wheelchair ramp Shall have minimum usable width of 30" and a slope meeting the requirements of ADA, 49 CFR Surface shall be continuous and made skid resistant through powder coating and a rated capacity of 800 lb. or greater.
H	Lighting	All vehicle lighting shall conform to ADA 49 CFR, Part 38, Subpart B OEM interior and exterior lights Daytime running lights
I	Air conditioning	OEM heating/defrosting and air conditioning system with vents front and rear
J	Flooring	Anti-slip ADA flooring. Gray Altro or equivalent.
K	Mirrors	Interior rear view: manufacturer standard OEM left and right exterior manual folding mirror
L	Sun Visor	Driver/front-passenger sun visors-vinyl trimmed

3	SAFETY EQUIPMENT	
A	Emergency Reflectors	Mounted and removable kit containing three reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 10 unit conforms to DOT and OSHA requirements
C	Fire Extinguishers	Metal body 2.5 lb., 2A10BC, dry chemical, mounted for easy access to driver but not impede the ingress and egress of passengers
4	WHEELCHAIR SECUREMENT AREA	
A	Wheelchair Position(s)	Two (2) Wheelchair Positions. See Attachment A.
B	Wheelchair Securement System	Shall be installed according to ADA requirements. See Attachment A Securement location shall be located in two (2) positions: one (1) position shall be next to the driver and the second (2nd) position shall be in the center of the vehicle behind the driver and passenger seats. Q'Straint wheelchair restraint track system or approved equal Provide storage method for tie downs when not in use
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A

<p align="center">Item 32 Ten (10) Passenger; Two (2) Wheelchair Positions Manual Bi-Fold Swing-Away Ramp</p>		
Seating Capacity		10 Ambulatory (includes driver); 2 Wheelchairs
Vehicle Classification:		Light Duty Motor Vehicle
Delivery Information:		Responsive Caregivers of Hawaii 91-1241 Saratoga Avenue Kapolei, Hawaii 96707
	Description	Specifications
I	CHASSIS	
A	Vehicle Dimensions	Wheelbase: 121" (min) Overall length: 202" (min) Overall height: 68" (min) Overall width: 78" (min)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	minimum 3.6 L, V-6, gasoline engine with electronic fuel injection
D	Transmission	minimum 6-speed automatic, electronically controlled with overdrive
E	Tilt Wheel/ Power Steering	Equipped with power steering and a tilt steering column, adjustable for various up and down positions.
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator light. OEM tilt steering wheel and cruise control Audio - Bluetooth capable AM/FM stereo with USB port and factory installed speakers
G	Back-up Alarm	Reverse alarm and reverse sensing system
H	Reverse Camera	OEM reverse camera and dash monitor
I	Alternator	Equipped with heaviest duty alternator available from manufacturer
J	Battery	Equipped with heaviest duty battery available from manufacturer
K	Brakes	Shall be power-assisted 4-wheel disc type, anti-lock braking system. OEM parking brake assemblies and dash warning light
L	Fuel Tank	Equipped with largest available from manufacturer. Tank, fuel lines and hardware must meet all current FMVSS and EPA requirements. Fuel tank shall be full at time of delivery
M	Suspension	Front: OEM suspension and components with heavy duty shock absorbers Rear: Heavy duty load-leveling air suspension with heavy duty shock absorbers Shall maintain ground clearance and meet all ADA requirements for entry when a ramp is utilized

N	Wheels and Tires	All tires shall be from the same manufacturer and all season, tubeless, steel radial blackwall. Shall be the largest size available from the vehicle manufacturer to meet the GVWR rating and equipped with wheel covers Tire pressure monitoring sensor OEM spare tire, includes jack and tool kit
O	Radiator	OEM radiator, heaviest duty available for maximum cooling
P	Windshield Wipers	Front: 2 speed with interval option and washer Rear: wiper/washer
Q	Alignment	Shall have a four (4) wheel alignment at final point of inspection, just prior to delivery
2	BODY AND EQUIPMENT	
A	Bumpers	Front and rear bumper shall be OEM
B	Doors	OEM driver and passenger front doors with power locks Manual driver and passenger side (mobility ramp) sliding doors Rear door emergency exit with quick release, manual override for opening the locked door from inside the vehicle. Shall provide decal showing operating instructions.
C	Windows	Equipped with power windows and OEM standard tinted windows
D	Color (Paint)	OEM white exterior paint
E	Seating	All seats shall be covered with viny and must comply with FMVSS. Seat colors shall match the OEM seats color of beige or grey. Driver seat: OEM power and fixed Front passenger seat: OEM and removable to roll out for mobility aid access/securement. 2nd row seat: forward facing 2-passenger fold-away seat with seat belts and shall be positioned in the wheelchair securement area. 3rd row rear bench seat to accommodate 2 passengers with foot rest
F	Grab Handles	Factory installed OEM
G	Mobility Aid Ramp	Side or rear entry, fold-out manual wheelchair ramp Shall have minimum usable width of 30" and a slope meeting the requirements of ADA, 49 CFR Surface shall be continuous and made skid resistant through powder coating and a rated capacity of 800 lb. or greater.
H	Lighting	All vehicle lighting shall conform to ADA 49 CFR, Part 38, Subpart B OEM interior and exterior lights Daytime running lights
I	Air conditioning	OEM heating/defrosting and air conditioning system with vents front and rear
J	Flooring	Anti-slip ADA flooring. Gray Altro or equivalent.
K	Mirrors	Interior rear view: manufacturer standard OEM left and right exterior manual folding mirror
L	Sun Visor	Driver/front-passenger sun visors-vinyl trimmed

3	SAFETY EQUIPMENT	
A	Emergency Reflectors	Mounted and removable kit containing three reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 10 unit conforms to DOT and OSHA requirements
C	Fire Extinguishers	Metal body 2.5 lb., 2A10BC, dry chemical, mounted for easy access to driver but not impede the ingress and egress of passengers
4	WHEELCHAIR SECUREMENT AREA	
A	Wheelchair Position(s)	Two (2) Wheelchair Positions. See Attachment A.
B	Wheelchair Securement System	Shall be installed according to ADA requirements. See Attachment A Securement location shall be located in two (2) positions: one (1) position shall be next to the driver and the second (2nd) position shall be in the center of the vehicle behind the driver and passenger seats. Q'Straint wheelchair restraint track system or approved equal Provide storage method for tie downs when not in use
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A

<p align="center">Item 33 Low Floor Minivan; One (1) Wheelchair Position Manual Bi-Fold Swing-Away Ramp</p>		
Seating Capacity		6 Ambulatory (includes driver); 1 Wheelchair
Vehicle Classification:		Light Duty Motor Vehicle
Delivery Information:		The Arc of Hilo 1099 Waianuenue Avenue Hilo, Hawaii 96720
	Description	Specifications
1	CHASSIS	
A	Vehicle Dimensions	Wheelbase: 121" (min) Overall length: 202" (min) Overall height: 68" (min) Overall width: 78" (min)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	minimum 3.6 L, V-6, gasoline engine with electronic fuel injection
D	Transmission	minimum 6-speed automatic, electronically controlled with overdrive
E	Tilt Wheel/ Power Steering	Equipped with power steering and a tilt steering column, adjustable for various up and down positions.
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator light. OEM tilt steering wheel and cruise control Audio - Bluetooth capable AM/FM stereo with USB port and factory installed speakers
G	Back-up Alarm	Reverse alarm and reverse sensing system
H	Reverse Camera	OEM reverse camera and dash monitor
I	Alternator	Equipped with heaviest duty alternator available from manufacturer
J	Battery	Equipped with heaviest duty battery available from manufacturer
K	Brakes	Shall be power-assisted 4-wheel disc type, anti-lock braking system. OEM parking brake assemblies and dash warning light
L	Fuel Tank	Equipped with largest available from manufacturer. Tank, fuel lines and hardware must meet all current FMVSS and EPA requirements. Fuel tank shall be full at time of delivery
M	Suspension	Front: OEM suspension and components with heavy duty shock absorbers Rear: Heavy duty load-leveling air suspension with heavy duty shock absorbers Substitution: Spacers added to the front and rear OEM suspension Shall maintain ground clearance and meet all ADA requirements for entry when a ramp is utilized

N	Wheels and Tires	All tires shall be from the same manufacturer and all season, tubeless, steel radial blackwall. Shall be the largest size available from the vehicle manufacturer to meet the GVWR rating. Aluminum wheels required, if wheel covers are not provided. Tire pressure monitoring sensor. OEM spare tire, includes jack and tool kit.
O	Radiator	OEM radiator, heaviest duty available for maximum cooling
P	Windshield Wipers	Front: 2 speed with interval option and washer Rear: wiper/washer
Q	Alignment	Shall have a four (4) wheel alignment at final point of inspection, just prior to delivery
2	BODY AND EQUIPMENT	
A	Bumpers	Front and rear bumper shall be OEM
B	Doors	OEM driver and passenger front doors with power locks Manual driver and passenger side (mobility ramp) sliding doors Rear door emergency exit with quick release, manual override for opening the locked door from inside the vehicle. Shall provide decal showing operating instructions.
C	Windows	Equipped with power windows and OEM standard tinted windows
D	Color (Paint)	OEM white exterior paint
E	Seating	All seats shall be covered with viny and must comply with FMVSS. Seat colors shall match the OEM seats color of beige or grey. Driver seat: OEM power and fixed Front passenger seat: OEM and removable to roll out for mobility aid access/securement. 2nd row seat: forward facing 2-passenger fold-away seat with seat belts and shall be positioned in the wheelchair securement area. 3rd row rear bench seat to accommodate 2 passengers with foot rest
F	Grab Handles	Factory installed OEM
G	Mobility Aid Ramp	Side or rear entry, fold-out manual wheelchair ramp Shall have minimum usable width of 30" and a slope meeting the requirements of ADA, 49 CFR Surface shall be continuous and made skid resistant through powder coating and a rated capacity of 800 lb. or greater.
H	Lighting	All vehicle lighting shall conform to ADA 49 CFR, Part 38, Subpart B OEM interior and exterior lights Daytime running lights
I	Air conditioning	OEM heating/defrosting and air conditioning system with vents front and rear
J	Flooring	Anti-slip ADA flooring. Gray Altro or equivalent.
K	Mirrors	Interior rear view: manufacturer standard OEM left and right exterior manual folding mirror
L	Sun Visor	Driver/front-passenger sun visors-vinyl trimmed

3	SAFETY EQUIPMENT	
A	Emergency Reflectors	Mounted and removable kit containing three reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 10 unit conforms to DOT and OSHA requirements
C	Fire Extinguishers	Metal body 2.5 lb., 2A10BC, dry chemical, mounted for easy access to driver but not impede the ingress and egress of passengers
4	WHEELCHAIR SECUREMENT AREA	
A	Wheelchair Position(s)	One (1) Wheelchair Position
B	Wheelchair Securement System	Shall be installed according to ADA requirements. Securement location shall be located in one (1) position; wheelchair position shall be in the center of the vehicle behind the driver and passenger seats. Q'Straint wheelchair restraint track system or approved equal Provide storage method for tie downs when not in use
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A.

Item 34		
Fourteen (14) Passenger; Three (3) Wheelchair Positions Lift Located Curbside Immediately Rear of Front Entrance		
Seating Capacity	14 Ambulatory; 3 Wheelchairs	
Vehicle Classification:	Light Duty Motor Vehicle	
Delivery Information:	Arc of Maui County (Lahaina, Maui Program) 140 N. Market St. Suite 202B Wailuku, Hawaii 96793	
	Description	Specifications
1	CHASSIS	
A	Vehicle dimensions	Wheelbase: 158" (min) Exterior width: 94" (min)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum 7.3L V-8 gasoline engine
D	Transmission	minimum 6-speed automatic transmission with overdrive and auxiliary cooler
E	Tilt Wheel / Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator Intermotive or approved equal, wheelchair interlock and fast idle system with both automatic and manual fast idle functions
G	Sound System	Bluetooth capable AM/FM stereo radio with clock, USB port and factory installed front and rear speakers
H	Alternator	Equipped with the heaviest duty alternator available from manufacturer
I	Battery	Dual batteries, 600 CCA (min), in body compartment on slide out tray with stainless steel roller bearings
J	Brakes	Power dual hydraulic front and rear disc with ABS anti-lock brakes Parking brake with foot pedal apply
K	Fuel Tank	Fifty (55) gallon with key locking fuel door Fuel tank shall be full at time of delivery
L	Axle GAWR	Front: 5,000 lbs (min) or manufacturer's GAWR (whichever is greater) Rear: 8,500 lbs (min) or manufacturer's GAWR (whichever is greater) Axle ratio suitable for use in both city and highway driving
M	Drive Shaft	Protective metal guard(s) for the driveline shaft(s) installed
N	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front suspension shall be OEM with shock absorbers and stabilizer bar Heavy duty multi leaf spring rear suspension with shock absorbers and MORryde rear add-on rubber suspension or equal

O	Wheels and Tires	Six (6) radial tires, single front, dual rear, highway tread and rating suitable for GVWR No spare tire needed Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provided upon delivery
P	Radiator	OEM heavy-duty radiator available for maximum cooling
Q	Windshield Wipers	Two (2) speed with interval option and washer
2	BODY (EXTERIOR)	
A	Structure	Meets all applicable FMVSS
B	Insulation	Minimum 1" insulation in body sides, rear, and roof.
C	Doors	Curbside front entrance: Power operated door with a two (2) panel design. The entry door frame to be constructed with stainless steel. Control from the driver's seat. Rear emergency door: Glass in upper and lower sections Labeled "EMERGENCY DOOR" with 2" lettering inside and outside side Sliding bar latch with buzzer and door lock that disables starter and buzzes when door is locked Arrow indicating direction of door handle action inside and outside Decals or lettering indicating location and opening instructions
D	Step Wells	Individual step risers shall be a maximum of 9.5" in height with step tread a minimum of 8.5" deep Bottom step tread shall not exceed 12.5" from the the ground unloaded Equipped with LED stepwell Light
E	Handrails	Stainless steel sloping grab rails located both sides of the entrance door
F	Windows	All tinted including shaded windshield Passenger windows: Horizontal sliding sash or "T type" Factory tinted Two (2) push out emergency windows per side with buzzers and lettering or decals to indicate location and opening instructions
G	Bumpers	Front OEM chrome and rear painted steel bump
H	Color (Paint)	OEM white finish
3	BODY (INTERIOR)	
A	Dimensions	Headroom: 75" (min) Interior width: 85" (min) Aisle width: 16" (min) for the entire length of passenger compartment

B	Seating	<p>Driver's: High back, adjustable fore and aft with right armrest Retractable 3 point seat belt Level 4 upholstery (min.) With the following adjustments: Forward and back Backrest pitch</p> <p>All Passenger's: Forward facing foldaway seats with arm rests, contoured foam seat cushion and back. Seat cushion depth shall be a minimum of 15". All seats lock to secure in place when in use, integrated 3-point retractable seat belt system that meets or exceeds all FMVSS requirements, and two (2) padded grab/assist handles shall be mounted on top of seats. All seats shall be spaced on a minimum of 30" seat centers allowing 17.5" (min) leg space between the front of the bottom cushion and the back of the next forward seat. All seats shall be covered with Level 4 vinyl upholstery (min.). Two (2) seat belt extenders to be of same manufacturer as main belt.</p>
C	Flooring	<p>Shall be covered with a minimum of 5/8" marine grade plywood, treated to resist moisture and decomposition, over high grade steel subfloor. Altro Transfer Meta or Gerflor Sirius flooring or equal throughout the passenger compartment and on the steptreads. Cove flooring to sidewalls</p>
4 EQUIPMENT		
A	Interior Lights	<p>All interior lighting is to be LED type Driver dome, passenger courtesy and stepwell lights Light at emergency exit Light to illuminate wheelchair lift operated by opening of lift door</p>
B	Exterior Lights	<p>All exterior lighting is to be LED type Three (3) front amber identification lights Three (3) rear red identification lights Daytime running lights</p>
C	Air conditioning	<p>Front OEM with defroster and heater Separate rear air conditioning system, 60,000 BTU (min). The BTU rating of the rear <i>axle unit</i> is to be rated as a stand alone system and not be included in the BTU rating of the OEM dash <i>axle unit</i>. The <i>axle system</i> shall include the OEM compressor and an additional 13 cubic inch compressor for the passenger area axle. Separate controls located in the driver's area for front and rear unit</p>
D	Mirrors	<p>7" min. rear view mirror that switches into a reverse camera when reversing Exterior side view: dual mirrors with electric remote control functions for both lenses</p>
E	Reverse Backup Sensor	<p>Backup warning signal and sonar warning system that gives both an audible signal and a visual digital distance readout in the driver's area.</p>
F	Reverse Camera	<p>Backup camera with monitor built into the rear view mirror</p>
5 SAFETY EQUIPMENT		
A	Emergency Reflectors	<p>Mounted and removable kit containing 3 reflective warning triangles</p>
B	First Aid Kit	<p>Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements</p>
C	Fire Extinguisher	<p>Metal body fire extinguisher: Mounted for easy access to driver but not impede the ingress and egress of passengers 5 lb., 2A10BC, dry chemical</p>

6 WHEELCHAIR SECUREMENT AREA		
A	Wheelchair Positions	Three (3) wheelchair positions - See Attachment A
B	Wheelchair Securement System	Three (3) sets of wheelchair securement system equal to the Q-Straint 8100 deluxe utilizing L track - See Attachment A Restraint system with retractable and adjustable shoulder harness. All foldaway seats shall have the tie down storage system for the w/c securements. Each w/c position shall include webbing loops.
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., a platform size of 34" x 54". Braun Century or approved equal. Vehicle shall be equipped with a wheelchair interlock system.
E	Wheelchair Lift Location	Rear of passenger entry door on right side of the vehicle

<p align="center">Item 35 Fourteen (14) Passenger; Three (3) Wheelchair Positions Lift Located Curbside Immediately Rear of Front Entrance</p>		
Seating Capacity		14 Ambulatory; 3 Wheelchairs
Vehicle Classification:		Light Duty Motor Vehicle
Delivery Information:		Arc of Maui County (Molokai Residence) 140 N. Market St. Suite 202B Wailuku, Hawaii 96793
	Description	Specifications
1	CHASSIS	
A	Vehicle dimensions	Wheelbase: 158" (min) Exterior width: 94" (min)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum 7.3L V-8 gasoline engine
D	Transmission	minimum 6-speed automatic transmission with overdrive and auxiliary cooler
E	Tilt Wheel / Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator Intermotive or approved equal, wheelchair interlock and fast idle system with both automatic and manual fast idle functions
G	Sound System	Bluetooth capable AM/FM stereo radio with clock, USB port and factory installed front and rear speakers
H	Alternator	Equipped with the heaviest duty alternator available from manufacturer
I	Battery	Dual batteries, 600 CCA (min), in body compartment on slide out tray with stainless steel roller bearings
J	Brakes	Power dual hydraulic front and rear disc with ABS anti-lock brakes Parking brake with foot pedal apply
K	Fuel Tank	Fifty (55) gallon with key locking fuel door Fuel tank shall be full at time of delivery
L	Axle GAWR	Front: 5,000 lbs (min) or manufacturer's GAWR (whichever is greater) Rear: 8,500 lbs (min) or manufacturer's GAWR (whichever is greater) Axle ratio suitable for use in both city and highway driving
M	Drive Shaft	Protective metal guard(s) for the driveline shaft(s) installed
N	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front suspension shall be OEM with shock absorbers and stabilizer bar Heavy duty multi leaf spring rear suspension with shock absorbers and MORryde rear add-on rubber suspension or equal
O	Wheels and Tires	Six (6) radial tires, single front, dual rear, highway tread and rating suitable for GVWR No spare tire needed Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provided upon delivery
P	Radiator	OEM heavy-duty radiator available for maximum cooling
Q	Windshield Wipers	Two (2) speed with interval option and washer

2	BODY (EXTERIOR)	
A	Structure	Meets all applicable FMVSS
B	Insulation	Minimum 1" insulation in body sides, rear, and roof.
C	Doors	<p>Curbside front entrance: Power operated door with a two (2) panel design. The entry door frame to be constructed with stainless steel. Control from the driver's seat.</p> <p>Rear emergency door: Glass in upper and lower sections Labeled "EMERGENCY DOOR" with 2" lettering inside and outside side Sliding bar latch with buzzer and door lock that disables starter and buzzes when door is locked Arrow indicating direction of door handle action inside and outside Decals or lettering indicating location and opening instructions</p>
D	Step Wells	<p>Individual step risers shall be a maximum of 9.5" in height with step tread a minimum of 8.5" deep Bottom step tread shall not exceed 12.5" from the the ground unloaded Equipped with LED stepwell Light</p>
E	Handrails	Stainless steel sloping grab rails located both sides of the entrance door
F	Windows	<p>All tinted including shaded windshield Passenger windows: Horizontal sliding sash or "T type" Factory tinted Two (2) push out emergency windows per side with buzzers and lettering or decals to indicate location and opening instructions</p>
G	Bumpers	Front OEM chrome and rear painted steel bump
H	Color (Paint)	OEM white finish
3	BODY (INTERIOR)	
A	Dimensions	<p>Headroom: 75" (min) Interior width: 85" (min) Aisle width: 16" (min) for the entire length of passenger compartment</p>
B	Seating	<p>Driver's: High back, adjustable fore and aft with right armrest Retractable 3 point seat belt Level 4 upholstery (min.) With the following adjustments: Forward and back Backrest pitch</p> <p>All Passenger's: Forward facing foldaway seats with arm rests, contoured foam seat cushion and back. Seat cushion depth shall be a minimum of 15". All seats lock to secure in place when in use, integrated 3-point retractable seat belt system that meets or exceeds all FMVSS requirements, and two (2) padded grab/assist handles shall be mounted on top of seats. All seats shall be spaced on a minimum of 30" seat centers allowing 17.5" (min) leg space between the front of the bottom cushion and the back of the next forward seat. All seats shall be covered with Level 4 vinyl upholstery (min.). Two (2) seat belt extenders to be of same manufacturer as main belt.</p>
C	Flooring	<p>Shall be covered with a minimum of 5/8" marine grade plywood, treated to resist moisture and decomposition, over high grade steel subfloor. Altro Transfer Meta or Gerflor Sirius flooring or equal throughout the passenger compartment and on the stepreads. Cove flooring to sidewalls</p>

4 EQUIPMENT		
A	Interior Lights	All interior lighting is to be LED type Driver dome, passenger courtesy and stepwell lights Light at emergency exit Light to illuminate wheelchair lift operated by opening of lift door
B	Exterior Lights	All exterior lighting is to be LED type Three (3) front amber identification lights Three (3) rear red identification lights Daytime running lights
C	Air conditioning	Front OEM with defroster and heater Separate rear air conditioning system, 60,000 BTU (min). The BTU rating of the rear <i>axle unit</i> is to be rated as a stand alone system and not be included in the BTU rating of the OEM dash <i>axle unit</i> . The <i>axle system</i> shall include the OEM compressor and an additional 13 cubic inch compressor for the passenger area axle. Separate controls located in the driver's area for front and rear unit
D	Mirrors	7" min. rear view mirror that switches into a reverse camera when reversing Exterior side view: dual mirrors with electric remote control functions for both lenses
E	Reverse Backup Sensor	Backup warning signal and sonar warning system that gives both an audible signal and a visual digital distance readout in the driver's area.
F	Reverse Camera	Backup camera with monitor built into the rear view mirror
5 SAFETY EQUIPMENT		
A	Emergency Reflectors	Mounted and removable kit containing 3 reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body fire extinguisher: Mounted for easy access to driver but not impede the ingress and egress of passengers 5 lb., 2A10BC, dry chemical
6 WHEELCHAIR SECUREMENT AREA		
A	Wheelchair Positions	Three (3) wheelchair positions - See Attachment A
B	Wheelchair Securement System	Three (3) sets of wheelchair securement system equal to the Q-Strait 8100 deluxe utilizing L track - See Attachment A Restraint system with retractable and adjustable shoulder harness. All foldaway seats shall have the tie down storage system for the w/c securements. Each w/c position shall include webbing loops.
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., a platform size of 34" x 54". Braun Century or approved equal. Vehicle shall be equipped with a wheelchair interlock system.
E	Wheelchair Lift Location	Rear of passenger entry door on right side of the vehicle

Item 36		
Fourteen (14) Passenger; Three (3) Wheelchair Positions Lift Located Curbside Immediately Rear of Front Entrance		
Seating Capacity	14 Ambulatory; 3 Wheelchairs	
Vehicle Classification:	Light Duty Motor Vehicle	
Delivery Information:	Hale Makua Health Services 472 Kaulana Street Kahului, Hawaii 96732	
	Description	Specifications
1	CHASSIS	
A	Vehicle dimensions	Wheelbase: 158" (min) Exterior width: 94" (min)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum 7.3L V-8 gasoline engine
D	Transmission	minimum 6-speed automatic transmission with overdrive and auxiliary cooler
E	Tilt Wheel/ Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator Intermotive or approved equal, wheelchair interlock and fast idle system with both automatic and manual fast idle functions
G	Sound System	Bluetooth capable AM/FM stereo radio with clock, USB port and factory installed front and rear speakers
H	Alternator	Equipped with the heaviest duty alternator available from manufacturer
I	Battery	Dual batteries, 600 CCA (min), in body compartment on slide out tray with stainless steel roller bearings
J	Brakes	Power dual hydraulic front and rear disc with ABS anti-lock brakes Parking brake with foot pedal apply
K	Fuel Tank	Fifty (55) gallon with key locking fuel door Fuel tank shall be full at time of delivery
L	Axle GAWR	Front: 5,000 lbs (min) or manufacturer's GAWR (whichever is greater) Rear: 8,500 lbs (min) or manufacturer's GAWR (whichever is greater) Axle ratio suitable for use in both city and highway driving
M	Drive Shaft	Protective metal guard(s) for the driveline shaft(s) installed
N	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front suspension shall be OEM with shock absorbers and stabilizer bar Heavy duty multi leaf spring rear suspension with shock absorbers and MORryde rear add-on rubber suspension or equal
O	Wheels and Tires	Six (6) radial tires, single front, dual rear, highway tread and rating suitable for GVWR No spare tire needed Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provided upon delivery
P	Radiator	OEM heavy-duty radiator available for maximum cooling
Q	Windshield Wipers	Two (2) speed with interval option and washer

2	BODY (EXTERIOR)	
A	Structure	Meets all applicable FMVSS
B	Insulation	Minimum 1" insulation in body sides, rear, and roof.
C	Doors	Curbside front entrance: Power operated door with a two (2) panel design. The entry door frame to be constructed with stainless steel. Control from the driver's seat. Rear emergency door: Glass in upper and lower sections Labeled "EMERGENCY DOOR" with 2" lettering inside and outside side Sliding bar latch with buzzer and door lock that disables starter and buzzes when door is locked Arrow indicating direction of door handle action inside and outside Decals or lettering indicating location and opening instructions
D	Step Wells	Individual step risers shall be a maximum of 9.5" in height with step tread a minimum of 8.5" deep Bottom step tread shall not exceed 12.5" from the the ground unloaded Equipped with LED stepwell light
E	Handrails	Stainless steel sloping grab rails located both sides of the entrance door
F	Windows	All tinted including shaded windshield Passenger windows: Horizontal sliding sash or "T type" Factory tinted Two (2) push out emergency windows per side with buzzers and lettering or decals to indicate location and opening instructions
G	Bumpers	Front OEM chrome and rear painted steel bump
H	Color (Paint)	OEM white finish
3	BODY (INTERIOR)	
A	Dimensions	Headroom: 75" (min) Interior width: 85" (min) Aisle width: 16" (min) for the entire length of passenger compartment
B	Seating	Driver's: High back, adjustable fore and aft with right armrest Retractable 3 point seat belt Level 4 upholstery (min.) With the following adjustments: Forward and back Backrest pitch All Passenger's: Forward facing foldaway seats with arm rests, contoured foam seat cushion and back. Seat cushion depth shall be a minimum of 15". All seats lock to secure in place when in use, integrated 3-point retractable seat belt system that meets or exceeds all FMVSS requirements, and two (2) padded grab/assist handles shall be mounted on top of seats. All seats shall be spaced on a minimum of 30" seat centers allowing 17.5" (min) leg space between the front of the bottom cushion and the back of the next forward seat. All seats shall be covered with Level 4 vinyl upholstery (min.). Two (2) seat belt extenders to be of same manufacturer as main belt.
C	Flooring	Shall be covered with a minimum of 5/8" marine grade plywood, treated to resist moisture and decomposition, over high grade steel subfloor. Altro Transfer Meta or Gerflor Sirius flooring or equal throughout the passenger compartment and on the stepreads. Cove flooring to sidewalls

4 EQUIPMENT		
A	Interior Lights	All interior lighting is to be LED type Driver dome, passenger courtesy and stepwell lights Light at emergency exit Light to illuminate wheelchair lift operated by opening of lift door
B	Exterior Lights	All exterior lighting is to be LED type Three (3) front amber identification lights Three (3) rear red identification lights Daytime running lights
C	Air conditioning	Front OEM with defroster and heater Separate rear air conditioning system, 60,000 BTU (min). The BTU rating of the rear <i>axle unit</i> is to be rated as a stand alone system and not be included in the BTU rating of the OEM dash <i>axle unit</i> . The <i>axle system</i> shall include the OEM compressor and an additional 13 cubic inch compressor for the passenger area axle. Separate controls located in the driver's area for front and rear unit
D	Mirrors	7" min. rear view mirror that switches into a reverse camera when reversing Exterior side view: dual mirrors with electric remote control functions for both lenses
E	Reverse Backup Sensor	Backup warning signal and sonar warning system that gives both an audible signal and a visual digital distance readout in the driver's area.
F	Reverse Camera	Backup camera with monitor built into the rear view mirror
5 SAFETY EQUIPMENT		
A	Emergency Reflectors	Mounted and removable kit containing 3 reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body fire extinguisher: Mounted for easy access to driver but not impede the ingress and egress of passengers 5 lb., 2A10BC, dry chemical
6 WHEELCHAIR SECUREMENT AREA		
A	Wheelchair Position(s)	Three (3) wheelchair positions - See Attachment A
B	Wheelchair Securement System	Three (3) sets of wheelchair securement system equal to the Q-Strait 8100 deluxe utilizing L track - See Attachment A Restraint system with retractable and adjustable shoulder harness. All foldaway seats shall have the tie down storage system for the w/c securements. Each w/c position shall include webbing loops.
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., a platform size of 34" x 54". Braun Century or approved equal. Vehicle shall be equipped with a wheelchair interlock system.
E	Wheelchair Lift Location	Rear of passenger entry door on right side of the vehicle

Item 37		
Fourteen (14) Passenger; Three (3) Wheelchair Positions Lift Located Curbside Immediately Rear of Front Entrance		
Seating Capacity	14 Ambulatory; 3 Wheelchairs	
Vehicle Classification:	Light Duty Motor Vehicle	
Delivery Information:	Hawaii County Economic Opportunity Council Elderly Transportation 47 Rainbow Drive Hilo, Hawaii 96720	
	Description	Specifications
1	CHASSIS	
A	Vehicle dimensions	Wheelbase: 158" (min) Exterior width: 94" (min)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum 7.3L V-8 gasoline engine
D	Transmission	minimum 6-speed automatic transmission with overdrive and auxiliary cooler
E	Tilt Wheel/ Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator Intermotive or approved equal, wheelchair interlock and fast idle system with both automatic and manual fast idle functions
G	Sound System	Bluetooth capable AM/FM stereo radio with clock, USB port and factory installed front and rear speakers
H	Alternator	Equipped with the heaviest duty alternator available from manufacturer
I	Battery	Dual batteries, 600 CCA (min), in body compartment on slide out tray with stainless steel roller bearings
J	Brakes	Power dual hydraulic front and rear disc with ABS anti-lock brakes Parking brake with foot pedal apply
K	Fuel Tank	Fifty (55) gallon with key locking fuel door Fuel tank shall be full at time of delivery
L	Axle GAWR	Front: 5,000 lbs (min) or manufacturer's GAWR (whichever is greater) Rear: 8,500 lbs (min) or manufacturer's GAWR (whichever is greater) Axle ratio suitable for use in both city and highway driving
M	Drive Shaft	Protective metal guard(s) for the driveline shaft(s) installed
N	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front suspension shall be OEM with shock absorbers and stabilizer bar Heavy duty multi leaf spring rear suspension with shock absorbers and MORryde rear add-on rubber suspension or equal
O	Wheels and Tires	Six (6) radial tires, single front, dual rear, highway tread and rating suitable for GVWR No spare tire needed Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provided upon delivery
P	Radiator	OEM heavy-duty radiator available for maximum cooling
Q	Windshield Wipers	Two (2) speed with interval option and washer

2	BODY (EXTERIOR)	
A	Structure	Meets all applicable FMVSS
B	Insulation	Minimum 1" insulation in body sides, rear, and roof.
C	Doors	<p>Curbside front entrance: Power operated door with a two (2) panel design. The entry door frame to be constructed with stainless steel. Control from the driver's seat.</p> <p>Rear emergency door: Glass in upper and lower sections Labeled "EMERGENCY DOOR" with 2" lettering inside and outside side Sliding bar latch with buzzer and door lock that disables starter and buzzes when door is locked Arrow indicating direction of door handle action inside and outside Decals or lettering indicating location and opening instructions</p>
D	Step Wells	<p>Individual step risers shall be a maximum of 9.5" in height with step tread a minimum of 8.5" deep Bottom step tread shall not exceed 12.5" from the the ground unloaded Equipped with LED stepwell light</p>
E	Handrails	Stainless steel sloping grab rails located both sides of the entrance door
F	Windows	<p>All tinted including shaded windshield Passenger windows: Horizontal sliding sash or "T type" Factory tinted Two (2) push out emergency windows per side with buzzers and lettering or decals to indicate location and opening instructions</p>
G	'Bumpers	Front OEM chrome and rear painted steel bump
H	Color (Paint)	OEM white finish
3	BODY (INTERIOR)	
A	Dimensions	<p>Headroom: 75" (min) Interior width: 85" (min) Aisle width: 16" (min) for the entire length of passenger compartment</p>
B	Seating	<p>Driver's: High back, adjustable fore and aft with right armrest Retractable 3 point seat belt Level 4 upholstery (min.) With the following adjustments: Forward and back Backrest pitch</p> <p>All Passenger's: Forward facing foldaway seats with arm rests, contoured foam seat cushion and back. Seat cushion depth shall be a minimum of 15". All seats lock to secure in place when in use, integrated 3-point retractable seat belt system that meets or exceeds all FMVSS requirements, and two (2) padded grab/assist handles shall be mounted on top of seats. All seats shall be spaced on a minimum of 30" seat centers allowing 17.5" (min) leg space between the front of the bottom cushion and the back of the next forward seat. All seats shall be covered with Level 4 vinyl upholstery (min.). Two (2) seat belt extenders to be of same manufacturer as main belt.</p>
C	Flooring	<p>Shall be covered with a minimum of 5/8" marine grade plywood, treated to resist moisture and decomposition, over high grade steel subfloor. Altro Transfer Meta or Gerflor Sirius flooring or equal throughout the passenger compartment and on the steptreads. Cove flooring to sidewalls</p>

4	EQUIPMENT	
A	Interior Lights	All interior lighting is to be LED type Driver dome, passenger courtesy and stepwell lights Light at emergency exit Light to illuminate wheelchair lift operated by opening of lift door
B	Exterior Lights	All exterior lighting is to be LED type Three (3) front amber identification lights Three (3) rear red identification lights Daytime running lights
C	Air conditioning	Front OEM with defroster and heater Separate rear air conditioning system, 60,000 BTU (min). The BTU rating of the rear <i>axle unit</i> is to be rated as a stand alone system and not be included in the BTU rating of the OEM dash <i>axle unit</i> . The <i>axle system</i> shall include the OEM compressor and an additional 13 cubic inch compressor for the passenger area axle. Separate controls located in the driver's area for front and rear unit
D	Mirrors	7" min. rear view mirror that switches into a reverse camera when reversing Exterior side view: dual mirrors with electric remote control functions for both lenses
E	Reverse Backup Sensor	Backup warning signal and sonar warning system that gives both an audible signal and a visual digital distance readout in the driver's area.
F	Reverse Camera	Backup camera with monitor built into the rear view mirror
5	SAFETY EQUIPMENT	
A	Emergency Reflectors	Mounted and removable kit containing 3 reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body fire extinguisher: Mounted for easy access to driver but not impede the ingress and egress of passengers 5 lb., 2A10BC, dry chemical
6	WHEELCHAIR SECUREMENT AREA	
A	Wheelchair Position(s)	Three (3) wheelchair positions - See Attachment A
B	Wheelchair Securement System	Three (3) sets of wheelchair securement system equal to the Q-Straint 8100 deluxe utilizing L track - See Attachment A Restraint system with retractable and adjustable shoulder harness. All foldaway seats shall have the tie down storage system for the w/c securements. Each w/c position shall include webbing loops.
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., a platform size of 34" x 54". Braun Century or approved equal. Vehicle shall be equipped with a wheelchair interlock system.
E	Wheelchair Lift Location	Rear of passenger entry door on right side of the vehicle

Item 38		
Ten (10) Passenger Van; Mid Roof; Two (2) Wheelchair Positions Lift Located Rear of Vehicle		
Seating Capacity	10 Ambulatory (includes driver); 2 Wheelchairs	
Vehicle Classification:	Light Duty Motor Vehicle	
Delivery Information:	Hawaii County Economic Opportunity Council 47 Rainbow Drive Hilo, Hawaii 96720	
	Description	Specifications
1 CHASSIS		
A	Vehicle Dimensions	Wheelbase: 130" (max) Overall length: 220" (max) Overall height: 98" (min) to 100" (max) Overall width: 81" (min)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Engine minimum, 3.SL Eco Boost V6 Engine or approved equal
D	Transmission	OEM automatic 10 speed with overdrive
E	Tilt Wheel / Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature and ammeter or voltmeter Audio - Bluetooth capable AM/FM stereo radio with USB port and factory installed front and rear speakers
G	Alternator	Equipped with the heaviest duty alternator available from manufacturer
H	Battery	Dual (2) heavy duty, maintenance free OEM batteries
I	Brakes	Power assisted hydraulic front and rear disc with ABS anti-lock brakes Transmission mounted parking brake with hand activated
J	Fuel Tank	25 gallon (min) Fuel tank shall be full at time of delivery
K	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front - Independent Macpherson-strut & stabilizer bar or approved equal Rear - Leaf spring and heavy duty gas shock absorbers or approved equal
L	Wheels and Tires	All season radial tires and wheels. Shall meet manufacturer and Federal GAWR requirements for GVWR of the vehicle. Tires shall be 235/65R16 black sidewall (BSW) all season or approved equal. Full size spare tire and wheel mounted on vehicle, 4-ton jack and tool kit Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provide upon delivery.
M	Radiator	Heavy-duty OEM radiator available for maximum cooling
N	Windshield Wipers	Variable intermittent
2 BODY (EXTERIOR)		
A	Insulation	Insulation in sides, roof, and rear that meets or exceeds all FMVSS requirements
B	Doors	OEM driver and passenger front doors with power locks, windows and mirrors Full height sliding OEM passenger side entry door and rear dual doors
C	Running Board	Full length powder coated aluminum, galvanized, or high grade stainless steel running board that extends from the rear passenger sliding door to the front passenger door or approved equal. See Attachment A

D	Driver's Step	Powdered coated aluminum, galvanized, or high grade stainless steel driver step or approved equal. See Attachment A.
E	Windows	OEM seamless solid pane windows and OEM chassis manufacturer provided privacy tinted windows. Must meet all applicable FMVSS requirements
F	Emergency Signs	Red "EXIT" signs placed at emergency exits to meet FMVSS
G	Bumpers	Front and rear bumpers must be OEM manufacturer standards
H	Color (Paint)	OEM white finish
3 BODY (INTERIOR)		
A	Seating	OEM recliner driver & co-pilot seats with retractable seatbelt and shoulder harness Foldaway black or gray vinyl seats that meet FMVSS 302 burn resistance requirements. Seating shall consist of three (3) foldaways on the street side and 2 single fixed seats on the curb side. All three (3) foldaway seats shall be equipped with aisle side arm rests, wheelchair securement storage equal to Freedman TOSS on the bottom of seat. Two sets of seat belt extensions shall be provided
B	Air Bags	Driver and co-pilot seat air bags. Shall have additional OEM side curtain air bags throughout.
C	Grab Rails	Stainless steel grab rails located on left and right side of passenger entry
D	Panels	Interior wall and ceiling panels are to be OEM chassis manufacturer
E	Flooring	Steel reinforced wood floor on steel OEM floor or approved equal
4 EQUIPMENT		
A	Lights	Meets all Federal Motor Vehicle Safety Standards (FMVSS) OEM interior and exterior lights Driver dome, passenger courtesy & step well lights Step well light operated by door opener and/or driver with override switch on control panel Light to illuminate wheelchair lift operated by opening of lift door
B	Air conditioning	Front and rear OEM dash and ducted rear air conditioning, defroster, and heat
C	Mirrors	Interior rear view: manufacturer standard Right and left exterior: power adjustable from driver's seat
D	Sun Visor	Driver/front-passenger sun visors-vinyl trimmed
E	Back-up Alarm	Reverse alarm and reverse sensing system
F	Reverse Camera	OEM Reverse camera and dash monitor
G	Spare Keys	Four (4) ignition keys are to be included with vehicle
5 SAFETY EQUIPMENT		
A	Emergency Reflectors	Mounted and removable kit containing three (3) reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body 2.5 lb., 2A10BC, dry chemical, mounted for easy access to driver but not impede the ingress and egress of passengers
6 WHEELCHAIR SECUREMENT AREA		
A	Wheelchair Position(s)	Two (2) wheelchair positions - See Attachment A
B	Wheelchair Securement System	Two (2) sets of wheelchair securement devices, Q-Straint model 8100 deluxe with L track or approved equal. See Attachment A
C	Lap and Shoulder Restraint	All lap and shoulder restraint shall match up with the Q-Straint model 8100 retractor or approved equal. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., Braun Century or approved equal. Located at the rear of vehicle - See Attachment A

<p align="center">Item 39 Fourteen (14) Passenger; Three (3) Wheelchair Positions Lift Located Curbside Immediately Rear of Front Entrance</p>		
Seating Capacity		14 Ambulatory; 3 Wheelchairs
Vehicle Classification:		Light Duty Motor Vehicle
Delivery Information:		Kona Association for Retarded Citizens dba The Arc of Kona 81-1065 Konawaena School Road Kealahou, Hawaii 96750
	Description	Specifications
1	CHASSIS	
A	Vehicle dimensions	Wheelbase: 158" (min) Exterior width: 94" (min)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum 7.3L V-8 gasoline engine
D	Transmission	minimum 6-speed automatic transmission with overdrive and auxiliary cooler
E	Tilt Wheel/ Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator Intermotive or approved equal, wheelchair interlock and fast idle system with both automatic and manual fast idle functions
G	Sound System	Bluetooth capable AM/FM stereo radio with clock, USB port and factory installed front and rear speakers
H	Alternator	Equipped with the heaviest duty alternator available from manufacturer
I	Battery	Dual batteries, 600 CCA (min), in body compartment on slide out tray with stainless steel roller bearings
J	Brakes	Power dual hydraulic front and rear disc with ABS anti-lock brakes Parking brake with foot pedal apply
K	Fuel Tank	Fifty (55) gallon with key locking fuel door Fuel tank shall be full at time of delivery
L	Axle GAWR	Front: 5,000 lbs (min) or manufacturer's GAWR (whichever is greater) Rear: 8,500 lbs (min) or manufacturer's GAWR (whichever is greater) Axle ratio suitable for use in both city and highway driving
M	Drive Shaft	Protective metal guard(s) for the driveline shaft(s) installed
N	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front suspension shall be OEM with shock absorbers and stabilizer bar Heavy duty multi leaf spring rear suspension with shock absorbers and MORryde rear add-on rubber suspension or equal
O	Wheels and Tires	Six (6) radial tires, single front, dual rear, highway tread and rating suitable for GVWR No spare tire needed Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provided upon delivery
P	Radiator	OEM heavy-duty radiator available for maximum cooling
Q	Windshield Wipers	Two (2) speed with interval option and washer

2	BODY (EXTERIOR)	
A	Structure	Meets all applicable FMVSS
B	Insulation	Minimum 1" insulation in body sides, rear, and roof.
C	Doors	Curbside front entrance: Power operated door with a two (2) panel design. The entry door frame to be constructed with stainless steel. Control from the driver's seat. Rear emergency door: Glass in upper and lower sections Labeled "EMERGENCY DOOR" with 2" lettering inside and outside side Sliding bar latch with buzzer and door lock that disables starter and buzzes when door is locked Arrow indicating direction of door handle action inside and outside Decals or lettering indicating location and opening instructions
D	Step Wells	Individual step risers shall be a maximum of 9.5" in height with step tread a minimum of 8.5" deep Bottom step tread shall not exceed 12.5" from the the ground unloaded Equipped with LED stepwell light
E	Handrails	Stainless steel sloping grab rails located both sides of the entrance door
F	Windows	All tinted including shaded windshield Passenger windows: Horizontal sliding sash or "T type" Factory tinted Two (2) push out emergency windows per side with buzzers and lettering or decals to indicate location and opening instructions
G	Bumpers	Front OEM chrome and rear painted steel bump
H	Color (Paint)	OEM white finish
3	BODY (INTERIOR)	
A	Dimensions	Headroom: 75" (min) Interior width: 85" (min) Aisle width: 16" (min) for the entire length of passenger compartment
B	Seating	Driver's: High back, adjustable fore and aft with right armrest Retractable 3 point seat belt Level 4 upholstery (min.) With the following adjustments: Forward and back Backrest pitch All Passenger's: Forward facing foldaway seats with arm rests, contoured foam seat cushion and back. Seat cushion depth shall be a minimum of 15". All seats lock to secure in place when in use, integrated 3-point retractable seat belt system that meets or exceeds all FMVSS requirements, and two (2) padded grab/assist handles shall be mounted on top of seats. All seats shall be spaced on a minimum of 30" seat centers allowing 17.5" (min) leg space between the front of the bottom cushion and the back of the next forward seat. All seats shall be covered with Level 4 vinyl upholstery (min.). Two (2) seat belt extenders to be of same manufacturer as main belt.
C	Flooring	Shall be covered with a minimum of 5/8" marine grade plywood, treated to resist moisture and decomposition, over high grade steel subfloor. Altro Transfer Meta or Gerflor Sirius flooring or equal throughout the passenger compartment and on the stoptreads. Cove flooring to sidewalls

4 EQUIPMENT		
A	Interior Lights	All interior lighting is to be LED type Driver dome, passenger courtesy and stepwell lights Light at emergency exit Light to illuminate wheelchair lift operated by opening of lift door
B	Exterior Lights	All exterior lighting is to be LED type Three (3) front amber identification lights Three (3) rear red identification lights Daytime running lights
C	Air conditioning	Front OEM with defroster and heater Separate rear air conditioning system, 60,000 BTU (min). The BTU rating of the rear axle unit is to be rated as a stand alone system and not be included in the BTU rating of the OEM dash axle unit. The axle system shall include the OEM compressor and an additional 13 cubic inch compressor for the passenger area axle. Separate controls located in the driver's area for front and rear unit
D	Mirrors	7" min. rear view mirror that switches into a reverse camera when reversing Exterior side view: dual mirrors with electric remote control functions for both lenses
E	Reverse Backup Sensor	Backup warning signal and sonar warning system that gives both an audible signal and a visual digital distance readout in the driver's area.
F	Reverse Camera	Backup camera with monitor built into the rear view mirror
5 SAFETY EQUIPMENT		
A	Emergency Reflectors	Mounted and removable kit containing 3 reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body fire extinguisher: Mounted for easy access to driver but not impede the ingress and egress of passengers 5 lb., 2A10BC, dry chemical
6 WHEELCHAIR SECUREMENT AREA		
A	Wheelchair Position(s)	Three (3) wheelchair positions - See Attachment A
B	Wheelchair Securement System	Three (3) sets of wheelchair securement system equal to the Q-Straint 8100 deluxe utilizing L track - See Attachment A Restraint system with retractable and adjustable shoulder harness. All foldaway seats shall have the tie down storage system for the w/c securements. Each w/c position shall include webbing loops.
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., a platform size of 34" x 54". Braun Century or approved equal. Vehicle shall be equipped with a wheelchair interlock system.
E	Wheelchair Lift Location	Rear of passenger entry door on right side of the vehicle

Item 40		
Fourteen (14) Passenger; Three (3) Wheelchair Positions Lift Located Curbside Immediately Rear of Front Entrance		
Seating Capacity	14 Ambulatory; 3 Wheelchairs	
Vehicle Classification:	Light Duty Motor Vehicle	
Delivery Information:	Maui Economic Opportunity, Inc. 99 Mahalani Street Wailuku, Hawaii 96793	
	Description	Specifications
1	CHASSIS	
A	Vehicle dimensions	Wheelbase: 158" (min) Exterior width: 94" (min)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum 7.3L V-8 gasoline engine
D	Transmission	minimum 6-speed automatic transmission with overdrive and auxiliary cooler
E	Tilt Wheel/ Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator Intermotive or approved equal, wheelchair interlock and fast idle system with both automatic and manual fast idle functions
G	Sound System	Bluetooth capable AM/FM stereo radio with clock, USB port and factory installed front and rear speakers
H	Alternator	Equipped with the heaviest duty alternator available from manufacturer
I	Battery	Dual batteries, 600 CCA (min), in body compartment on slide out tray with stainless steel roller bearings
J	Brakes	Power dual hydraulic front and rear disc with ABS anti-lock brakes Parking brake with foot pedal apply
K	Fuel Tank	Fifty (55) gallon with key locking fuel door Fuel tank shall be full at time of delivery
L	Axle GAWR	Front: 5,000 lbs (min) or manufacturer's GAWR (whichever is greater) Rear: 8,500 lbs (min) or manufacturer's GAWR (whichever is greater) Axle ratio suitable for use in both city and highway driving
M	Drive Shaft	Protective metal guard(s) for the driveline shaft(s) installed
N	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front suspension shall be OEM with shock absorbers and stabilizer bar Heavy duty multi leaf spring rear suspension with shock absorbers and MORryde rear add-on rubber suspension or equal
O	Wheels and Tires	Six (6) radial tires, single front, dual rear, highway tread and rating suitable for GVWR No spare tire needed Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provided upon delivery
P	Radiator	OEM heavy-duty radiator available for maximum cooling
Q	Windshield Wipers	Two (2) speed with interval option and washer

2	BODY (EXTERIOR)	
A	Structure	Meets all applicable FMVSS
B	Insulation	Minimum 1" insulation in body sides, rear, and roof.
C	Doors	Curbside front entrance: Power operated door with a two (2) panel design. The entry door frame to be constructed with stainless steel. Control from the driver's seat. Rear emergency door: Glass in upper and lower sections Labeled "EMERGENCY DOOR" with 2" lettering inside and outside side Sliding bar latch with buzzer and door lock that disables starter and buzzes when door is locked Arrow indicating direction of door handle action inside and outside Decals or lettering indicating location and opening instructions
D	Step Wells	Individual step risers shall be a maximum of 9.5" in height with step tread a minimum of 8.5" deep Bottom step tread shall not exceed 12.5" from the the ground unloaded Equipped with LED stepwell light
E	Handrails	Stainless steel sloping grab rails located both sides of the entrance door
F	Windows	All tinted including shaded windshield Passenger windows: Horizontal sliding sash or "T type" Factory tinted Two (2) push out emergency windows per side with buzzers and lettering or decals to indicate location and opening instructions
G	Bumpers	Front OEM chrome and rear painted steel bump
H	Color (Paint)	OEM white finish
3	BODY (INTERIOR)	
A	Dimensions	Headroom: 75" (min) Interior width: 85" (min) Aisle width: 16" (min) for the entire length of passenger compartment
B	Seating	Driver's: High back, adjustable fore and aft with right armrest Retractable 3 point seat belt Level 4 upholstery (min.) With the following adjustments: Forward and back Backrest pitch All Passenger's: Forward facing foldaway seats with arm rests, contoured foam seat cushion and back. Seat cushion depth shall be a minimum of 15". All seats lock to secure in place when in use, integrated 3-point retractable seat belt system that meets or exceeds all FMVSS requirements, and two (2) padded grab/assist handles shall be mounted on top of seats. All seats shall be spaced on a minimum of 30" seat centers allowing 17.5" (min) leg space between the front of the bottom cushion and the back of the next forward seat. All seats shall be covered with Level 4 vinyl upholstery (min.). Two (2) seat belt extenders to be of same manufacturer as main belt.
C	Flooring	Shall be covered with a minimum of 5/8" marine grade plywood, treated to resist moisture and decomposition, over high grade steel subfloor. Altro Transfer Meta or Gerflor Sirius flooring or equal throughout the passenger compartment and on the stoptreads. Cove flooring to sidewalls

4 EQUIPMENT		
A	Interior Lights	All interior lighting is to be LED type Driver dome, passenger courtesy and stepwell lights Light at emergency exit Light to illuminate wheelchair lift operated by opening of lift door
B	Exterior Lights	All exterior lighting is to be LED type Three (3) front amber identification lights Three (3) rear red identification lights Daytime running lights
C	Air conditioning	Front OEM with defroster and heater Separate rear air conditioning system, 60,000 BTU (min). The BTU rating of the rear <i>axle unit</i> is to be rated as a stand alone system and not be included in the BTU rating of the OEM dash <i>axle unit</i> . The <i>axle system</i> shall include the OEM compressor and an additional 13 cubic inch compressor for the passenger area axle. Separate controls located in the driver's area for front and rear unit
D	Mirrors	7" min. rear view mirror that switches into a reverse camera when reversing Exterior side view: dual mirrors with electric remote control functions for both lenses
E	Reverse Backup Sensor	Backup warning signal and sonar warning system that gives both an audible signal and a visual digital distance readout in the driver's area.
F	Reverse Camera	Backup camera with monitor built into the rear view mirror
5 SAFETY EQUIPMENT		
A	Emergency Reflectors	Mounted and removable kit containing 3 reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body fire extinguisher: Mounted for easy access to driver but not impede the ingress and egress of passengers 5 lb., 2A10BC, dry chemical
6 WHEELCHAIR SECUREMENT AREA		
A	Wheelchair Position(s)	Three (3) wheelchair positions - See Attachment A
B	Wheelchair Securement System	Three (3) sets of wheelchair securement system equal to the Q-Straint 8100 deluxe utilizing L track - See Attachment A Restraint system with retractable and adjustable shoulder harness. All foldaway seats shall have the tie down storage system for the w/c securements. Each w/c position shall include webbing loops.
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., a platform size of 34" x 54". Braun Century or approved equal. Vehicle shall be equipped with a wheelchair interlock system.
E	Wheelchair Lift Location	Rear of passenger entry door on right side of the vehicle

Item 41		
Fourteen (14) Passenger; Three (3) Wheelchair Positions Lift Located Curbside Immediately Rear of Front Entrance		
Seating Capacity	14 Ambulatory; 3 Wheelchairs	
Vehicle Classification:	Light Duty Motor Vehicle	
Delivery Information:	Responsive Caregivers of Hawaii 91-1241 Saratoga Avenue Kapolei, Hawaii 96707	
	Description	Specifications
1	CHASSIS	
A	Vehicle dimensions	Wheelbase: 158" (min) Exterior width: 94" (min)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum 7.3L V-8 gasoline engine
D	Transmission	minimum 6-speed automatic transmission with overdrive and auxiliary cooler
E	Tilt Wheel/ Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator Intermotive or approved equal, wheelchair interlock and fast idle system with both automatic and manual fast idle functions
G	Sound System	Bluetooth capable AM/FM stereo radio with clock, USB port and factory installed front and rear speakers
H	Alternator	Equipped with the heaviest duty alternator available from manufacturer
I	Battery	Dual batteries, 600 CCA (min), in body compartment on slide out tray with stainless steel roller bearings
J	Brakes	Power dual hydraulic front and rear disc with ABS anti-lock brakes Parking brake with foot pedal apply
K	Fuel Tank	Fifty (55) gallon with key locking fuel door Fuel tank shall be full at time of delivery
L	Axle GAWR	Front: 5,000 lbs (min) or manufacturer's GAWR (whichever is greater) Rear: 8,500 lbs (min) or manufacturer's GAWR (whichever is greater) Axle ratio suitable for use in both city and highway driving
M	Drive Shaft	Protective metal guard(s) for the driveline shaft(s) installed
N	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front suspension shall be OEM with shock absorbers and stabilizer bar Heavy duty multi leaf spring rear suspension with shock absorbers and MORyde rear add-on rubber suspension or equal
O	Wheels and Tires	Six (6) radial tires, single front, dual rear, highway tread and rating suitable for GVWR No spare tire needed Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provided upon delivery
P	Radiator	OEM heavy-duty radiator available for maximum cooling
Q	Windshield Wipers	Two (2) speed with interval option and washer

2	BODY (EXTERIOR)	
A	Structure	Meets all applicable FMVSS
B	Insulation	Minimum 1" insulation in body sides, rear, and roof.
C	Doors	<p>Curbside front entrance: Power operated door with a two (2) panel design. The entry door frame to be constructed with stainless steel. Control from the driver's seat.</p> <p>Rear emergency door: Glass in upper and lower sections Labeled "EMERGENCY DOOR" with 2" lettering inside and outside side Sliding bar latch with buzzer and door lock that disables starter and buzzes when door is locked Arrow indicating direction of door handle action inside and outside Decals or lettering indicating location and opening instructions</p>
D	Step Wells	<p>Individual step risers shall be a maximum of 9.5" in height with step tread a minimum of 8.5" deep Bottom step tread shall not exceed 12.5" from the the ground unloaded Equipped with LED stepwell light</p>
E	Handrails	Stainless steel sloping grab rails located both sides of the entrance door
F	Windows	<p>All tinted including shaded windshield Passenger windows: Horizontal sliding sash or "T type" Factory tinted Two (2) push out emergency windows per side with buzzers and lettering or decals to indicate location and opening instructions</p>
G	Bumpers	Front OEM chrome and rear painted steel bump
H	Color (Paint)	OEM white finish
3	BODY (INTERIOR)	
A	Dimensions	<p>Headroom: 75" (min) Interior width: 85" (min) Aisle width: 16" (min) for the entire length of passenger compartment</p>
B	Seating	<p>Driver's: High back, adjustable fore and aft with right armrest Retractable 3 point seat belt Level 4 upholstery (min.) With the following adjustments: Forward and back Backrest pitch All Passenger's: Forward facing foldaway seats with arm rests, contoured foam seat cushion and back. Seat cushion depth shall be a minimum of 15". All seats lock to secure in place when in use, integrated 3-point retractable seat belt system that meets or exceeds all FMVSS requirements, and two (2) padded grab/assist handles shall be mounted on top of seats. All seats shall be spaced on a minimum of 30" seat centers allowing 17.5" (min) leg space between the front of the bottom cushion and the back of the next forward seat. All seats shall be covered with Level 4 vinyl upholstery (min.). Two (2) seat belt extenders to be of same manufacturer as main belt.</p>
C	Flooring	<p>Shall be covered with a minimum of 5/8" marine grade plywood, treated to resist moisture and decomposition, over high grade steel subfloor. Altro Transfer Meta or Gerflor Sirius flooring or equal throughout the passenger compartment and on the steptreads. Cove flooring to sidewalls</p>

4	EQUIPMENT	
A	Interior Lights	All interior lighting is to be LED type Driver dome, passenger courtesy and stepwell lights Light at emergency exit Light to illuminate wheelchair lift operated by opening of lift door
B	Exterior Lights	All exterior lighting is to be LED type Three (3) front amber identification lights Three (3) rear red identification lights Daytime running lights
C	Air conditioning	Front OEM with defroster and heater Separate rear air conditioning system, 60,000 BTU (min). The BTU rating of the rear <i>axle unit</i> is to be rated as a stand alone system and not be included in the BTU rating of the OEM dash <i>axle unit</i> . The <i>axle system</i> shall include the OEM compressor and an additional 13 cubic inch compressor for the passenger area axle. Separate controls located in the driver's area for front and rear unit
D	Mirrors	7" min. rear view mirror that switches into a reverse camera when reversing Exterior side view: dual mirrors with electric remote control functions for both lenses
E	Reverse Backup Sensor	Backup warning signal and sonar warning system that gives both an audible signal and a visual digital distance readout in the driver's area.
F	Reverse Camera	Backup camera with monitor built into the rear view mirror
5	SAFETY EQUIPMENT	
A	Emergency Reflectors	Mounted and removable kit containing 3 reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body fire extinguisher: Mounted for easy access to driver but not impede the ingress and egress of passengers 5 lb., 2A10BC, dry chemical
6	WHEELCHAIR SECUREMENT AREA	
A	Wheelchair Position(s)	Three (3) wheelchair positions - See Attachment A
B	Wheelchair Securement System	Three (3) sets of wheelchair securement system equal to the Q-Straint 8100 deluxe utilizing L track - See Attachment A Restraint system with retractable and adjustable shoulder harness. All foldaway seats shall have the tie down storage system for the w/c securements. Each w/c Position shall include webbing loops.
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., a platform size of 34" x 54". Braun Century or approved equal. Vehicle shall be equipped with a wheelchair interlock system.
E	Wheelchair Lift Location	Rear of passenger entry door on right side of the vehicle

Item 42 Fourteen (14) Passenger; Three (3) Wheelchair Positions Lift Located Curbside Immediately Rear of Front Entrance		
Seating Capacity	14 Ambulatory; 3 Wheelchairs	
Vehicle Classification:	Light Duty Motor Vehicle	
Delivery Information:	Responsive Caregivers of Hawaii 91-1241 Saratoga Avenue Kapolei, Hawaii 96707	
	Description	Specifications
1	CHASSIS	
A	Vehicle dimensions	Wheelbase: 158" (min) Exterior width: 94" (min)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum 7.3L V-8 gasoline engine
D	Transmission	minimum 6-speed automatic transmission with overdrive and auxiliary cooler
E	Tilt Wheel / Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator Intermotive or approved equal, wheelchair interlock and fast idle system with both automatic and manual fast idle functions
G	Sound System	Bluetooth capable AM/FM stereo radio with clock, USB port and factory installed front and rear speakers
H	Alternator	Equipped with the heaviest duty alternator available from manufacturer
I	Battery	Dual batteries, 600 CCA (min), in body compartment on slide out tray with stainless steel roller bearings
J	Brakes	Power dual hydraulic front and rear disc with ABS anti-lock brakes Parking brake with foot pedal apply
K	Fuel Tank	Fifty (55) gallon with key locking fuel door Fuel tank shall be full at time of delivery
L	Axle GAWR	Front: 5,000 lbs (min) or manufacturer's GAWR (whichever is greater) Rear: 8,500 lbs (min) or manufacturer's GAWR (whichever is greater) Axle ratio suitable for use in both city and highway driving
M	Drive Shaft	Protective metal guard(s) for the driveline shaft(s) installed
N	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front suspension shall be OEM with shock absorbers and stabilizer bar Heavy duty multi leaf spring rear suspension with shock absorbers and MORyde rear add-on rubber suspension or equal
O	Wheels and Tires	Six (6) radial tires, single front, dual rear, highway tread and rating suitable for GVWR No spare tire needed Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provided upon delivery
P	Radiator	OEM heavy-duty radiator available for maximum cooling
Q	Windshield Wipers	Two (2) speed with interval option and washer

2	BODY (EXTERIOR)	
A	Structure	Meets all applicable FMVSS
B	Insulation	Minimum 1" insulation in body sides, rear, and roof.
C	Doors	Curbside front entrance: Power operated door with a two (2) panel design. The entry door frame to be constructed with stainless steel. Control from the driver's seat. Rear emergency door: Glass in upper and lower sections Labeled "EMERGENCY DOOR" with 2" lettering inside and outside side Sliding bar latch with buzzer and door lock that disables starter and buzzes when door is locked Arrow indicating direction of door handle action inside and outside Decals or lettering indicating location and opening instructions
D	Step Wells	Individual step risers shall be a maximum of 9.5" in height with step tread a minimum of 8.5" deep Bottom step tread shall not exceed 12.5" from the the ground unloaded Equipped with LED stepwell Light
E	Handrails	Stainless steel sloping grab rails located both sides of the entrance door
F	Windows	All tinted including shaded windshield Passenger windows: Horizontal sliding sash or "T type" Factory tinted Two (2) push out emergency windows per side with buzzers and lettering or decals to indicate location and opening instructions
G	Bumpers	Front OEM chrome and rear painted steel bump
H	Color (Paint)	OEM white finish
3	BODY (INTERIOR)	
A	Dimensions	Headroom: 75" (min) Interior width: 85" (min) Aisle width: 16" (min) for the entire length of passenger compartment
B	Seating	Driver's: High back, adjustable fore and aft with right armrest Retractable 3 point seat belt Level 4 upholstery (min.) With the following adjustments: Forward and back Backrest pitch All Passenger's: Forward facing foldaway seats with arm rests, contoured foam seat cushion and back. Seat cushion depth shall be a minimum of 15". All seats lock to secure in place when in use, integrated 3-point retractable seat belt system that meets or exceeds all FMVSS requirements, and two (2) padded grab/assist handles shall be mounted on top of seats. All seats shall be spaced on a minimum of 30" seat centers allowing 17.5" (min) leg space between the front of the bottom cushion and the back of the next forward seat. All seats shall be covered with Level 4 vinyl upholstery (min.). Two (2) seat belt extenders to be of same manufacturer as main belt.
C	Flooring	Shall be covered with a minimum of 5/8" marine grade plywood, treated to resist moisture and decomposition, over high grade steel subfloor. Altro Transfer Meta or Gerflor Sirius flooring or equal throughout the passenger compartment and on the stepreads. Cove flooring to sidewalls

4 EQUIPMENT		
A	Interior Lights	All interior lighting is to be LED type Driver dome, passenger courtesy and stepwell lights Light at emergency exit Light to illuminate wheelchair lift operated by opening of lift door
B	Exterior Lights	All exterior lighting is to be LED type Three (3) front amber identification lights Three (3) rear red identification lights Daytime running lights
C	Air conditioning	Front OEM with defroster and heater Separate rear air conditioning system, 60,000 BTU (min). The BTU rating of the rear <i>axle unit</i> is to be rated as a stand alone system and not be included in the BTU rating of the OEM dash <i>axle unit</i> . The <i>axle system</i> shall include the OEM compressor and an additional 13 cubic inch compressor for the passenger area axle. Separate controls located in the driver's area for front and rear unit
D	Mirrors	7" min. rear view mirror that switches into a reverse camera when reversing Exterior side view: dual mirrors with electric remote control functions for both lenses
E	Reverse Backup Sensor	Backup warning signal and sonar warning system that gives both an audible signal and a visual digital distance readout in the driver's area.
F	Reverse Camera	Backup camera with monitor built into the rear view mirror
5 SAFETY EQUIPMENT		
A	Emergency Reflectors	Mounted and removable kit containing 3 reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body fire extinguisher: Mounted for easy access to driver but not impede the ingress and egress of passengers 5 lb., 2A10BC, dry chemical
6 WHEELCHAIR SECUREMENT AREA		
A	Wheelchair Positions	Three (3) wheelchair positions - See Attachment A
B	Wheelchair Securement System	Three (3) sets of wheelchair securement system equal to the Q-Strait 8100 deluxe utilizing L track - See Attachment A Restraint system with retractable and adjustable shoulder harness. All foldaway seats shall have the tie down storage system for the w/c securements. Each w/c position shall include webbing loops.
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., a platform size of 34" x 54". Braun Century or approved equal. Vehicle shall be equipped with a wheelchair interlock system.
E	Wheelchair Lift Location	Rear of passenger entry door on right side of the vehicle

<p align="center">Item 43 Fourteen (14) Passenger; Three (3) Wheelchair Positions Lift Located Curbside Immediately Rear of Front Entrance</p>		
Seating Capacity	14 Ambulatory; 3 Wheelchairs	
Vehicle Classification:	Light Duty Motor Vehicle	
Delivery Information:	<p align="center">Catholic Charities Hawaii 1822 Keeaumoku St. Honolulu, Hawaii 96822</p>	
	Description	Specifications
1	CHASSIS	
A	Vehicle dimensions	Wheelbase: 158" (min) Exterior width: 94" (min)
B	GVWR	Not to exceed manufacturer stated GVWR and conforms to Federal Motor Vehicle Safety Standards (FMVSS)
C	Engine	Minimum 7.3L V-8 gasoline engine
D	Transmission	minimum 6-speed automatic transmission with overdrive and auxiliary cooler
E	Tilt Wheel/ Power Steering	Equipped with power steering and a tilt steering column
F	Electrical	Dashboard instrumentation containing but not limited to: Speedometer, odometer, fuel and oil pressure gauges, coolant temperature, ammeter or voltmeter, and door ajar indicator Intermotive or approved equal, wheelchair interlock and fast idle system with both automatic and manual fast idle functions
G	Sound System	Bluetooth capable AM/FM stereo radio with clock, USB port and factory installed front and rear speakers
H	Alternator	Equipped with the heaviest duty alternator available from manufacturer
I	Battery	Dual batteries, 600 CCA (min), in body compartment on slide out tray with stainless steel roller bearings
J	Brakes	Power dual hydraulic front and rear disc with ABS anti-lock brakes Parking brake with foot pedal apply
K	Fuel Tank	Fifty (55) gallon with key locking fuel door Fuel tank shall be full at time of delivery
L	Axle GAWR	Front: 5,000 lbs (min) or manufacturer's GAWR (whichever is greater) Rear: 8,500 lbs (min) or manufacturer's GAWR (whichever is greater) Axle ratio suitable for use in both city and highway driving
M	Drive Shaft	Protective metal guard(s) for the driveline shaft(s) installed
N	Suspension	Suspension system shall be heavy duty and meet manufacturer and Federal GAWR requirements for GVWR of the vehicle Front suspension shall be OEM with shock absorbers and stabilizer bar Heavy duty multi leaf spring rear suspension with shock absorbers and MORryde rear add-on rubber suspension or equal
O	Wheels and Tires	Six (6) radial tires, single front, dual rear, highway tread and rating suitable for GVWR No spare tire needed Tires to be 4-point aligned after vehicle arrives on island. Copy of alignment report with weight distribution analysis to be provided upon delivery
P	Radiator	OEM heavy-duty radiator available for maximum cooling
Q	Windshield Wipers	Two (2) speed with interval option and washer

2	BODY (EXTERIOR)	
A	Structure	Meets all applicable FMVSS
B	Insulation	Minimum 1" insulation in body sides, rear, and roof.
C	Doors	<p>Curbside front entrance: Power operated door with a two (2) panel design. The entry door frame to be constructed with stainless steel. Control from the driver's seat.</p> <p>Rear emergency door: Glass in upper and lower sections Labeled "EMERGENCY DOOR" with 2" lettering inside and outside side Sliding bar latch with buzzer and door lock that disables starter and buzzes when door is locked Arrow indicating direction of door handle action inside and outside Decals or lettering indicating location and opening instructions</p>
D	Step Wells	<p>Individual step risers shall be a maximum of 9.5" in height with step tread a minimum of 8.5" deep Bottom step tread shall not exceed 12.5" from the the ground unloaded Equipped with LED stepwell light</p>
E	Handrails	Stainless steel sloping grab rails located both sides of the entrance door
F	Windows	<p>All tinted including shaded windshield Passenger windows: Horizontal sliding sash or "T type" Factory tinted Two (2) push out emergency windows per side with buzzers and lettering or decals to indicate location and opening instructions</p>
G	Bumpers	Front OEM chrome and rear painted steel bump
H	Color (Paint)	OEM white finish
3	BODY (INTERIOR)	
A	Dimensions	<p>Headroom: 75" (min) Interior width: 85" (min) Aisle width: 16" (min) for the entire length of passenger compartment</p>
B	Seating	<p>Driver's: High back, adjustable fore and aft with right armrest Retractable 3 point seat belt Level 4 upholstery (min.) With the following adjustments: Forward and back Backrest pitch</p> <p>All Passenger's: Forward facing foldaway seats with arm rests, contoured foam seat cushion and back. Seat cushion depth shall be a minimum of 15". All seats lock to secure in place when in use, integrated 3-point retractable seat belt system that meets or exceeds all FMVSS requirements, and two (2) padded grab/assist handles shall be mounted on top of seats. All seats shall be spaced on a minimum of 30" seat centers allowing 17.5" (min) leg space between the front of the bottom cushion and the back of the next forward seat. All seats shall be covered with Level 4 vinyl upholstery (min.). Two (2) seat belt extenders to be of same manufacturer as main belt.</p>
C	Flooring	<p>Shall be covered with a minimum of 5/8" marine grade plywood, treated to resist moisture and decomposition, over high grade steel subfloor. Altro Transfor Meta or Gerflor Sirius flooring or equal throughout the passenger compartment and on the stepreads. Cove flooring to sidewalls</p>

4 EQUIPMENT		
A	Interior Lights	All interior lighting is to be LED type Driver dome, passenger courtesy and stepwell lights Light at emergency exit Light to illuminate wheelchair lift operated by opening of lift door
B	Exterior Lights	All exterior lighting is to be LED type Three (3) front amber identification lights Three (3) rear red identification lights Daytime running lights
C	Air conditioning	Front OEM with defroster and heater Separate rear air conditioning system, 60,000 BTU (min). The BTU rating of the rear <i>axle unit</i> is to be rated as a stand alone system and not be included in the BTU rating of the OEM dash <i>axle unit</i> . The <i>axle system</i> shall include the OEM compressor and an additional 13 cubic inch compressor for the passenger area axle. Separate controls located in the driver's area for front and rear unit
D	Mirrors	7" min. rear view mirror that switches into a reverse camera when reversing Exterior side view: dual mirrors with electric remote control functions for both lenses
E	Reverse Backup Sensor	Backup warning signal and sonar warning system that gives both an audible signal and a visual digital distance readout in the driver's area.
F	Reverse Camera	Backup camera with monitor built into the rear view mirror
5 SAFETY EQUIPMENT		
A	Emergency Reflectors	Mounted and removable kit containing 3 reflective warning triangles
B	First Aid Kit	Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to DOT and OSHA requirements
C	Fire Extinguisher	Metal body fire extinguisher. Mounted for easy access to driver but not impede the ingress and egress of passengers 5 lb., 2A10BC, dry chemical
6 WHEELCHAIR SECUREMENT AREA		
A	Wheelchair Position(s)	Three (3) wheelchair positions - See Attachment A
B	Wheelchair Securement System	Three (3) sets of wheelchair securement system equal to the Q-Straint 8100 deluxe utilizing L track - See Attachment A Restraint system with retractable and adjustable shoulder harness. All foldaway seats shall have the tie down storage system for the w/c securements. Each w/c position shall include webbing loops.
C	Lap and Shoulder Restraint	All belt components shall meet ADA requirements. See Attachment A. Written and video instructions on how to use lap and shoulder restraints
D	Wheelchair Lift	Shall have a rating of 1000 lbs., a platform size of 34" x 54". Braun Century or approved equal. Vehicle shall be equipped with a wheelchair interlock system.
E	Wheelchair Lift Location	Rear of passenger entry door on right side of the vehicle

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
STATEWIDE TRANSPORTATION PLANNING OFFICE

ATTACHMENT A

This vehicle and all items specified under this part shall, at a minimum, meet the requirements of 49 CFR part 38 -AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITIES SPECIFICATIONS FOR TRANSPORTATION VEHICLES SUBPART B, except where these specifications exceed ADA minimums.

49 CFR 38.23 - Mobility aid accessibility.

§ 38.23 Mobility aid accessibility.

(a) *General.* All vehicles covered by this subpart shall provide a level-change mechanism or boarding device (e.g., lift or ramp) complying with paragraph (b) or (c) of this section and sufficient clearances to permit a wheelchair or other mobility aid user to reach a securement location. At least two securement locations and devices, complying with paragraph (d) of this section, shall be provided on vehicles in excess of 22 feet in length; at least one securement location and device, complying with paragraph (d) of this section, shall be provided on vehicles 22 feet in length or less.

(b) *Vehicle lift-*

(1) *Design load.* The design load of the lift shall be at least 600 pounds. Working parts, such as cables, pulleys, and shafts, which can be expected to wear, and upon which the lift depends for support of the load, shall have a safety factor of at least **six**, based on the ultimate strength of the material. Nonworking parts, such as platform, frame, and attachment hardware which would not be expected to wear, shall have a safety factor of at least three, based on the ultimate strength of the material.

(2) *Controls -*

(i) *Requirements.* The controls shall be interlocked with the vehicle brakes, transmission, or door, or shall provide other appropriate mechanisms or systems, to ensure that the vehicle cannot be moved when the lift is not stowed and so the lift cannot be deployed unless the interlocks or systems are engaged. The lift shall deploy to all levels (i.e., ground, curb, and intermediate positions) normally encountered in the operating environment. Where provided, each control for deploying, lowering, raising, and stowing the lift and lowering the roll-off barrier shall be of a momentary contact type requiring continuous manual pressure by the operator and shall not allow improper lift sequencing when the lift platform is occupied. The controls shall allow reversal of the lift operation sequence, such as raising or lowering a platform that is part way down, without allowing an occupied platform to fold or retract into the stowed position.

(ii) *Exception.* Where the lift is designed to deploy with its long dimension parallel to the vehicle axis and which pivots into or out of the vehicle while occupied (i.e., "rotary lift"), the requirements of this paragraph prohibiting the lift from being stowed while

occupied shall not apply if the stowed position is within the passenger compartment and the lift is intended to be stowed while occupied.

- (3) *Emergency operation.* The lift shall incorporate an emergency method of deploying, lowering to ground level with a lift occupant, and raising and stowing the empty lift if the power to the lift fails. No emergency method, manual or otherwise, shall be capable of being operated in a manner that could be hazardous to the lift occupant or to the operator when operated according to manufacturer's instructions, and shall not permit the platform to be stowed or folded when occupied, unless the lift is a rotary lift and is intended to be stowed while occupied.
- (4) *Power or equipment failure.* Platforms stowed in a vertical position, and deployed platforms when occupied, shall have provisions to prevent their deploying, falling, or folding any faster than 12 inches/second or their dropping of an occupant in the event of a single failure of any load carrying component.
- (5) *Platform barriers.* The lift platform shall be equipped with barriers to prevent any of the wheels of a wheelchair or mobility aid from rolling off the platform during its operation. A movable barrier or inherent design feature shall prevent a wheelchair or mobility aid from rolling off the edge closest to the vehicle until the platform is in its fully raised position. Each side of the lift platform which extends beyond the vehicle in its raised position shall have a barrier a minimum 1 1/2 inches high. Such barriers shall not interfere with maneuvering into or out of the aisle. The loading-edge barrier (outer barrier) which functions as a loading ramp when the lift is at ground level, shall be sufficient when raised or closed, or a supplementary system shall be provided, to prevent a power wheelchair or mobility aid from riding over or defeating it. The outer barrier of the lift shall automatically raise or close, or a supplementary system shall automatically engage, and remain raised, closed, or engaged at all times that the platform is more than 3 inches above the roadway or sidewalk and the platform is occupied. Alternatively, a barrier or system may be raised, lowered, opened, closed, engaged, or disengaged by the lift operator, provided an interlock or inherent design feature prevents the lift from rising unless the barrier is raised or closed or the supplementary system is engaged.
- (6) *Platform surface.* The platform surface shall be free of any protrusions over 1/4 inch high and shall be slip resistant. The platform shall have a minimum clear width of 28 1/2 inches at the platform, a minimum clear width of 30 inches measured from 2 inches above the platform surface to 30 inches above the platform, and a minimum clear length of 48 inches measured from 2 inches above the surface of the platform to 30 inches above the surface of the platform. (See Fig. 1)

- (7) *Platform gaps.* Any openings between the platform surface and the raised barriers shall not exceed 5/8 inch in width. When the platform is at vehicle floor height with the inner barrier (if applicable) down or retracted, gaps between the forward lift platform edge and the vehicle floor shall not exceed 1/2 inch horizontally and 5/8 inch vertically. Platforms on semi-automatic lifts may have a hand hold not exceeding 1 1/2 inches by 4 1/2 inches located between the edge barriers.
- (8) *Platform entrance ramp.* The entrance ramp, or loading-edge barrier used as a ramp, shall not exceed a slope of 1:8, measured on level ground, for a maximum rise of 3 inches, and the transition from roadway or sidewalk to ramp may be vertical without edge treatment up to 1/4 inch. Thresholds between 1/4 inch and 1/2 inch high shall be beveled with a slope no greater than 1:2.
- (9) *Platform deflection.* The lift platform (not including the entrance ramp) shall not deflect more than 3 degrees (exclusive of vehicle roll or pitch) in any direction between its unloaded position and its position when loaded with 600 pounds applied through a 26-inch by 26-inch test pallet at the centroid of the platform.
- (10) *Platform movement.* No part of the platform shall move at a rate exceeding 6 inches/second during lowering and lifting an occupant and shall not exceed 12 inches/second during deploying or stowing. This requirement does not apply to the deployment or stowage cycles of lifts that are manually deployed or stowed. The maximum platform horizontal and vertical acceleration when occupied shall be 0.3g.
- (11) *Boarding direction.* The lift shall permit both inboard and outboard facing of wheelchair and mobility aid users.
- (12) *Use by standees.* Lifts shall accommodate persons using walkers, crutches, canes, or braces or who otherwise have difficulty using steps. The platform may be marked to indicate a preferred standing position.
- (13) *Handrails.* Platforms on lifts shall be equipped with handrails on two sides, which move in tandem with the lift, and which shall be graspable and provide support to standees throughout the entire lift operation. Handrails shall have a usable component at least 8 inches long with the lowest portion a minimum 30 inches above the platform and the highest portion a maximum 38 inches above the platform. The handrails shall be capable of withstanding a force of 100 pounds concentrated at any point on the handrail without permanent deformation of the rail or its supporting structure. The handrail shall have a cross-sectional diameter between 1 1/4 inches and 1 1/2 inches or shall provide an equivalent grasping surface and have eased edges with corner radii of not less than 1/8 inch. Handrails shall be placed to provide a minimum 1 1/2 inches knuckle clearance from the nearest adjacent surface. Handrails shall not interfere with

wheelchair or mobility aid maneuverability when entering or leaving the vehicle.

(c) *Vehicle ramp* -

- (1) *Design load.* Ramps 30 inches or longer shall support a load of 600 pounds, placed at the centroid of the ramp distributed over an area of 26 inches by 26 inches, with a safety factor of at least 3 based on the ultimate strength of the material. Ramps shorter than 30 inches shall support a load of 300 pounds.
- (2) *Ramp surface.* The ramp surface shall be continuous and slip resistant; shall not have protrusions from the surface greater than 1/4 inch high; shall have a clear width of 30 inches; and shall accommodate both four-wheel and three-wheel mobility aids.
- (3) *Ramp threshold.* The transition from roadway or sidewalk and the transition from vehicle floor to the ramp may be vertical without edge treatment up to 1/4 inch. Changes in level between 1/4 inch and 1/2 inch shall be beveled with a slope no greater than 1:2.
- (4) *Ramp barriers.* Each side of the ramp shall have barriers at least 2 inches high to prevent mobility aid wheels from slipping off.
- (5) *Slope.* Ramps shall have the least slope practicable and shall not exceed 1:4 when deployed to ground level. If the height of the vehicle floor from which the ramp is deployed is 3 inches or less above a 6-inch curb, a maximum slope of 1:4 is permitted; if the height of the vehicle floor from which the ramp is deployed is 6 inches or less, but greater than 3 inches, above a 6-inch curb, a maximum slope of 1:6 is permitted; if the height of the vehicle floor from which the ramp is deployed is 9 inches or less, but greater than 6 inches, above a 6-inch curb, a maximum slope of 1:8 is permitted; if the height of the vehicle floor from which the ramp is deployed is greater than 9 inches above a 6-inch curb, a slope of 1:12 shall be achieved. Folding or telescoping ramps are permitted provided they meet all structural requirements of this section.
- (6) *Attachment.* When in use for boarding or alighting, the ramp shall be firmly attached to the vehicle so that it is not subject to displacement when loading or unloading a heavy power mobility aid and that no gap between vehicle and ramp exceeds 5/8 inch.
- (7) *Stowage.* A compartment, securement system, or other appropriate method shall be provided to ensure that stowed ramps, including portable ramps stowed in the passenger area, do not impinge on a passenger's wheelchair or mobility aid, or pose any hazard to passengers in the event of a sudden stop or maneuver.
- (8) *Handrails.* If provided, handrails shall allow persons with disabilities to grasp them from outside the vehicle while starting to board, and

to continue to use them throughout the boarding process and shall have the top between 30 inches and 38 inches above the ramp surface. The handrails shall be capable of withstanding a force of 100 pounds concentrated at any point on the handrail without permanent deformation of the rail or its supporting structure. The handrail shall have a cross-sectional diameter between 1 1/4 inches and 1 1/2 inches or shall provide an equivalent grasping surface and have eased edges with corner radii of not less than 1/8 inch. Handrails shall not interfere with wheelchair or mobility aid maneuverability when entering or leaving the vehicle.

(d) *Securement devices -*

- (1) *Design load.* Securement systems on vehicles with GVWRs of 30,000 pounds or above, and their attachments to such vehicles, shall restrain a force in the forward longitudinal direction of up to 2,000 pounds per securement leg or clamping mechanism and a minimum of 4,000 pounds for each mobility aid. Securement systems on vehicles with GVWRs of up to 30,000 pounds, and their attachments to such vehicles, shall restrain a force in the forward longitudinal direction of up to 2,500 pounds per securement leg or clamping mechanism and a minimum of 5,000 pounds for each mobility aid.
- (2) *Location and size.* The securement system shall be placed as near to the accessible entrance as practicable and shall have a clear floor area of 30 inches by 48 inches. Such space shall adjoin, and may overlap, an access path. Not more than 6 inches of the required clear floor space may be accommodated for footrests under another seat provided there is a minimum of 9 inches from the floor to the lowest part of the seat overhanging the space. Securement areas may have fold-down seats to accommodate other passengers when a wheelchair or mobility aid is not occupying the area, provided the seats, when folded up, do not obstruct the clear floor space required. (See Fig.2)
- (3) *Mobility aids accommodated.* The securement system shall secure common wheelchairs and mobility aids and shall either be automatic or easily attached by a person familiar with the system and mobility aid and having average dexterity.
- (4) *Orientation.* In vehicles in excess of 22 feet in length, at least one securement device or system required by paragraph (a) of this section shall secure the wheelchair or mobility aid facing toward the front of the vehicle. Additional securement devices or systems shall secure the wheelchair or mobility aid facing forward, or rearward with a padded barrier, extending from a height of 38 inches from the vehicle floor to a height of 56 inches from the vehicle floor with a width of 18 inches, laterally centered immediately in back of the seated individual. In vehicles 22 feet in length or less, the required

securement device may secure the wheelchair or mobility aid either facing toward the front of the vehicle or facing rearward, with a padded barrier as described. Additional securement locations shall be either forward or rearward facing with a padded barrier. Such barriers need not be solid provided equivalent protection is afforded.

- (5) *Movement.* When the wheelchair or mobility aid is secured in accordance with manufacturer's instructions, the securement system shall limit the movement of an occupied wheelchair or mobility aid to no more than 2 inches in any direction under normal vehicle operating conditions.
- (6) *Stowage.* When not being used for securement, or when the securement area can be used by standees, the securement system shall not interfere with passenger movement, shall not present any hazardous condition, shall be reasonably protected from vandalism, and shall be readily accessed when needed for use.
- (7) *Seat belt and shoulder harness.* For each wheelchair or mobility aid securement device provided, a passenger seat belt and shoulder harness, complying with all applicable provisions of part 571 of this title, shall also be provided for use by wheelchair or mobility aid users. Such seat belts and shoulder harnesses shall not be used in lieu of a device which secures the wheelchair or mobility aid itself.

49 CFR 38.25 - Doors, steps, and thresholds.

§ 38.25 Doors, steps, and thresholds.

- (a) *Slip resistance.* All aisles, steps, floor areas where people walk and floors in securement locations shall have slip-resistant surfaces.
- (b) *Contrast.* All step edges, thresholds and the boarding edge of ramps or lift platforms shall have a band of color(s) running the full width of the step or edge which contrasts from the step tread and riser, or lift or ramp surface, either light- on-dark or dark-on-light.
- (c) *Door height.* For vehicles in excess of 22 feet in length, the overhead clearance between the top of the door opening and the raised lift platform, or highest point of a ramp, shall be a minimum of 68 inches. For vehicles of 22 feet in length or less, the overhead clearance between the top of the door opening and the raised lift platform, or highest point of a ramp, shall be a minimum of 56 inches.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
STATEWIDE TRANSPORTATION PLANNING OFFICE

PROPOSAL

PROPOSAL TO THE STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
STATEWIDE TRANSPORTATION PLANNING
OFFICE

PROJECT: FURNISHING AND DELIVERING OF
MOTOR VEHICLES - FOR VARIOUS
NON- PROFIT AND COUNTY AGENCIES
STATEWIDE

PROJECT NO.: STP-5310-22AR

DELIVERY SCHEDULE: Delivered on-site within TWO HUNDRED
SEVENTY (270) CALENDAR DAYS from
date of Notice to Proceed to the Department
of Transportation at the addresses indicated
for Item 1 to Item 43.

LIQUIDATED DAMAGES: FIFTY DOLLARS (\$50.00) for each and every
calendar day the Contractor delays in delivery
and in the completion of any item of this
contract after the required date of said
completion.

PROJECT MANAGER: Please contact Ms. Candi Jefferson via email
at candi.n.jefferson@hawaii.gov for any
questions pertaining to the technical aspects
of this bid solicitation.

ELECTRONIC
SUBMITTAL: The Proposal and supporting documents shall
be uploaded through the State of Hawaii
eProcurement System (HlePRO).

NOTE: Bid, Performance and Payment Bonds are not
required for this project.

Director of Transportation
AliiAIMoku Hale
869 Punchbowl Street
Honolulu, Hawaii 96813

Dear Sir:

The undersigned bidder declares the following:

1. It has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this proposal.
2. It has not been assisted or represented on this matter by any individual who has, in a State capacity, been involved in the subject matter of this contract within the past two years.
3. It has not and will not, either directly or indirectly offered or given a gratuity (i.e. an entertainment or gift) to any State or County employee to obtain a contract or favorable treatment under a contract.

The undersigned bidder further agrees to the following:

1. If this proposal is accepted, it shall execute a contract with the Department to provide all necessary labor, machinery, tools, equipment, apparatus and any other means of construction, to do all the work and to furnish all the materials specified in the contract in the manner and within the time therein prescribed in the contract, and that it shall accept in full payment therefore the sum of the unit and/or lump sum prices as set forth in the attached proposal schedule for the actual quantities of work performed and materials furnished and furnish satisfactory security in accordance with Section 103D-324, Hawaii Revised Statutes, within 10 days after the award of the contract or within such time as the Director of Transportation may allow after the undersigned has received the contract documents for execution, and is fully aware that non-compliance with the aforementioned terms will result in the forfeiture of the full amount of the bid guarantee required under Section 103D-323, Hawaii Revised Statutes.

Matls. & Serv.
r12/2020
Addendum No. 4

2. That the quantities given in the attached proposal schedule are approximate only and are intended principally to serve as a guide in determining and comparing the bids.
3. That the Department does not either expressly or by implication, agree that the actual amount of work will correspond therewith, but reserves the right to increase or decrease the amount of any class or portion of the work, or to omit portions of the work, as may be deemed necessary or advisable by the Director of Transportation, and that all increased or decreased quantities of work shall be performed at the unit prices set forth in the attached proposal schedule except as provided for in the specifications.
4. In case of a discrepancy between unit prices and the totals in said Proposal Schedule, the unit prices shall prevail.
5. Agrees to begin work within 10 working days after the date of notification to commence with the work, which date is in the notice to proceed, and shall finish the entire project within the time prescribed.
6. The Director of Transportation reserves the right to reject any or all bids and to waive any defects when in the Director's opinion such rejections or waiver will be for the best interest of the public.

Receipt is hereby acknowledged and complete examination is hereby expressly guaranteed of the following listed items: the specifications, the notice to bidders, the special provisions, if any, the proposal, the plans, if any, and the contract form.

The undersigned acknowledges receipt of any addendum, issued by recording in the space below the date of receipt.

Addendum No. 1 GS Addendum No. 2 GS
Addendum No. 3 GS Addendum No. 4 GS
Addendum No. 5 GS Addendum No. 6 GS
Addendum No. 7 _____ Addendum No. 8 _____

The undersigned hereby certifies that the bid prices contained in the attached proposal schedule have been carefully checked and are submitted as correct, final and are net prices.

SODERHOLM SALES AND LEASING, INC.

Bidder (Company Name)

By Gabrielle Soderholm
Authorized Signature

GABRIELLE SODERHOLM, CORPORATE OFFICER

Print Name and Title

PO BOX 19010 HONOLULU, HI 96817

Business Address

808-834-1417

Business Telephone

GABI@SODERHOLMBUS.COM

Email

01/23/23

Date

SAME

Contact Person (If different from above)

Phone: _____ Email: _____

*Hawaii General Excise Tax License No. **GE-135-984-3328-01**

Matls. & Serv.

r12/2020

Addendum No. 4

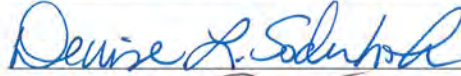
Söderholm Sales and Leasing, Inc.

CORPORATE RESOLUTION

I, R. Erik Soderholm, Secretary of Soderholm Sales and Leasing, Inc., a Hawaii corporation, hereby certify that set forth below is a true and correct copy of a resolution duly and legally adopted at a meeting of the Board of Directors of said Corporation, duly called, convened and held in accordance with the bylaws and the laws of the State of Hawaii on the 20th day of January, 2023 at which a quorum was present and voting and that said resolution has not in any way been modified, repealed or rescinded but is in full force and effect.

RESOLVED that any one of the following officers: President, Vice President, Secretary, Treasurer, or Corporate Officers of this Corporation is hereby authorized to execute and deliver any documents including signing requests for proposals and contracts with The State of Hawaii Department of Transportation.

I further certify that the following whose signatures appear after their respective names now hold the office referred to in the foregoing resolution:

<u>Officer</u>	<u>Name</u>	<u>Signature</u>
President	Denise L. Soderholm	
Vice President	R. Erik Soderholm	
Secretary	R. Erik Soderholm	
Treasurer	Denise L. Soderholm	
Corporate Officer	Gustaf E. Soderholm	
Corporate Officer	Gabrielle L. Soderholm	

IN WITNESS THEREOF, I have hereunder set my hand and affixed the corporate seal of said Corporation this 20th day of January, 2023.

(SEAL)



By: R. Erik Soderholm
Its: Secretary

NOTE:

If bidder is a CORPORATION, the legal name of the corporation shall be set forth above, the corporate seal affixed, together with the signature(s) of the officer(s) authorized to sign contracts on behalf of the corporation. Please attach to this page current (not more than six months old) evidence of the authority of the officer(s) to sign on behalf of the corporation.

If bidder is a PARTNERSHIP, the true name of the partnership shall be set forth above with the signature(s) of the general partner(s) authorized to sign contracts on behalf of the partnership. Please attach to this page current (not more than six months old) evidence of the authority of the partner(s) to sign on behalf of the partnership.

If bidder is an INDIVIDUAL, the bidder's signature shall be placed in the space provided therefore on page PF-4.

If signature is by an agent, other than an officer of a corporation or a partner of a partnership, a POWER OF ATTORNEY must be on file with the Department prior to the opening of bids or submitted with the bid; otherwise, the bid may be rejected as irregular and unauthorized.

*Bidder will be considered an out-of-state vendor if Hawaii General Excise Tax License No. is not indicated. See Section 2.8 Out-of-State Bidders of the Specifications.

ITEM 1

FURNISHING AND DELIVERING OF One (1) Low Floor Minivan with One (1) Wheelchair Position and Manual Bi-Fold Swing-Away Ramp for The Arc of Hilo

ITEM DESCRIPTION

One (1) Low Floor Minivan as described in the Vehicle Specifications Section, pages 11-1 thru 11-3

Year/Make: 2023 CHRYSLER VOYAGER LX

Manufacturer: BRAUNABILITY

Model Name: MANUAL SIDE-ENTRY

Model No.: N/A

a. Unit Bid Price: \$ 107,564-

b. Applicable Taxes: \$ 5,193-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 112,757-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

BODY & COMPONENTS:

Name: RANNIKKS SPECIALTY VEHICLES/ LICENSE #RD-2636

Address: 843-B LEILANI ST.

HILO, HI 96720

Telephone Number: 808-961-3889

Email: JAN NAKASHIMA - RANNIKKSJAN@HAWAII.RR.COM

CHASSIS: KAMAAINA MOTORS

400 E. KAWILI ST. HILO, HI 96720

808-961-2885

CHRISIREE VARIZE - CRISIREE.VARIZE@KAMAAINA MOTORS.COM

Service and Repair Facility:

Name: RANNIKKS SPECIALTY VEHICLES/ LICENSE #RD-2636

Address: 843-B LEILANI ST.

HILO, HI 96720

Telephone Number: 808-961-3889

Email: JAN NAKASHIMA - RANNIKKSJAN@HAWAII.RR.COM

ITEM 2

FURNISHING AND DELIVERING OF One (1) Fourteen (14) Passenger Van with Three (3) Wheelchair Positions and Lift Located Curbside Immediately Rear of Front Entrance for Hawaii County Economic Opportunity Council (Nutrition Program)

ITEM DESCRIPTION

One (1) Fourteen Passenger Van as described in the Vehicle Specifications Section, pages 12-1 thru 12-3

Year/Make: 2024 FORD E-450

Manufacturer: STARCRAFT

Model Name: ALLSTAR

Model No.: 22

a. Unit Bid Price: \$ 167,731 -

b. Applicable Taxes: \$ 8,360 -

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 176,091 -
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

BODY & COMPONENTS:

Name: RANNIKKS SPECIALTY VEHICLES/ LICENSE #RD-2636

Address: 843-B LEILANI ST.

HILO, HI 96720

Telephone Number: 808-961-3889

Email: JAN NAKASHIMA - RANNIKKSJAN@HAWAII.RR.COM

CHASSIS: ORCHID ISLE AUTO CENTER

1030 KANOELEHUA AVE. HILO, HI 96720

808-935-1191 EXT. 106

JAY BLAKE - HILOFORD@MSN.COM

Service and Repair Facility:

Name: **RANNIKKS SPECIALTY VEHICLES/ LICENSE #RD-2636**

Address: **843-B LEILANI ST.**

HILO, HI 96720

Telephone Number: **808-961-3889**

Email: **JAN NAKASHIMA - RANNIKKSJAN@HAWAII.RR.COM**

ITEM 3

FURNISHING AND DELIVERING OF One (1) Fourteen (14) Passenger Van with Three (3) Wheelchair Positions and Lift Located Curbside Immediately Rear of Front Entrance for Hawaii County Economic Opportunity Council

ITEM DESCRIPTION

One (1) Fourteen (14) Passenger Van as described in the Vehicle Specification Section, pages 13-1 thru 13-3

Year/Make: 2024 FORD E-450

Manufacturer: STARCRAFT

Model Name: ALLSTAR

Model No.: 22

a. Unit Bid Price: \$167,731-

b. Applicable Taxes: \$ 8,360-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 176,091-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

BODY & COMPONENTS:

Name: RANNIKKS SPECIALTY VEHICLES/ LICENSE #RD-2636

Address: 843-B LEILANI ST.

HILO, HI 96720

Telephone Number: 808-961-3889

Email: JAN NAKASHIMA - RANNIKKSJAN@HAWAII.RR.COM

CHASSIS: ORCHID ISLE AUTO CENTER

1030 KANOELEHUA AVE. HILO, HI 96720

808-935-1191 EXT. 106

JAY BLAKE - HILOFORD@MSN.COM

Service and Repair Facility:

Name: **RANNIKKS SPECIALTY VEHICLES/ LICENSE #RD-2636**

Address: **843-B LEILANI ST.**

HILO, HI 96720

Telephone Number: **808-961-3889**

Email: **JAN NAKASHIMA - RANNIKKSJAN@HAWAII.RR.COM**

ITEM 4

FURNISHING AND DELIVERING OF One (1) Ten (10) Passenger Van with Two (2) Wheelchair Positions and Lift Located Rear of Vehicle for Hawaii Island Adult Care

ITEM DESCRIPTION

One (1) Ten (10) Passenger Van as described in the Vehicle Specifications Section, pages 14-1 thru 14-2

Year/Make: 2024 FORD

Manufacturer: SUNSET VANS

Model Name: TRANSIT

Model No.: T150

a. Unit Bid Price: \$ 123,569-

b. Applicable Taxes: \$ 6,146-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 129,715-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

BODY & COMPONENTS:

Name: RANNIKKS SPECIALTY VEHICLES/ LICENSE #RD-2636

Address: 843-B LEILANI ST.

HILO, HI 96720

Telephone Number: 808-961-3889

Email: JAN NAKASHIMA - RANNIKKSJAN@HAWAII.RR.COM

**CHASSIS: ORCHID ISLE AUTO CENTER
1030 KANOELEHUA AVE. HILO, HI 96720
808-935-1191 EXT. 106
JAY BLAKE - HILOFORD@MSN.COM**

Service and Repair Facility:

Name: **RANNIKKS SPECIALTY VEHICLES/ LICENSE #RD-2636**

Address: **843-B LEILANI ST.**

HILO, HI 96720

Telephone Number: **808-961-3889**

Email: **JAN NAKASHIMA - RANNIKKSJAN@HAWAII.RR.COM**

ITEM 5

FURNISHING AND DELIVERING OF One (1) Fourteen (14) Passenger Van with Three (3) Wheelchair Positions and Lift Located Curbside Immediately Rear of Front Entrance for The Arc of Maui County

ITEM DESCRIPTION

One (1) Fourteen (14) Passenger Van as described in the Vehicle Specifications Section, pages 15-1 thru 15-3

Year/Make: 2024 FORD E-450

Manufacturer: STARCRAFT

Model Name: ALLSTAR

Model No.: 22

a. Unit Bid Price: \$ 167,731-

b. Applicable Taxes: \$ 7,391-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 175,122-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

BODY & COMPONENTS:

Name: TRUCK SHOP MAUI, LLC/ LICENSE #RD-4273

Address: 1188 LOWER MAIN ST.

WAILUKU, HI 96793

Telephone Number: 808-868-4809

Email: AARON SERRAO - ASERRAO1230@GMAIL.COM

CHASSIS: VALLEY ISLE MOTORS, LTD.
221 S. PUUNENE AVE. KAHULUI, HI 96732
808-877-3673
ERIC HOFER - EHOFFER@JIMFALKAUTOMOTIVEGROUP.COM

Service and Repair Facility:

Name: TRUCK SHOP MAUI, LLC/ LICENSE #RD-4273

Address: 1188 LOWER MAIN ST.

WAILUKU, HI 96793

Telephone Number: 808-868-4809

Email: AARON SERRAO - ASERRAO1230@GMAIL.COM

ITEM 6

FURNISHING AND DELIVERING OF One (1) Fourteen (14) Passenger Van with Three(3) Wheelchair Positions and Lift Located Curbside Immediately Rear of Front Entrance for Kaunoa Senior Services, County of Maui

ITEM DESCRIPTION

One (1) Fourteen (14) Passenger Van as described in the Vehicle Specifications Section, pages 16-1 thru 16-3

Year/Make: 2024 FORD E-450

Manufacturer: STARCRAFT

Model Name: ALLSTAR

Model No.: 22

a. Unit Bid Price: \$167,731-

b. Applicable Taxes: \$ 7,391-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$175,122-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

BODY & COMPONENTS:

Name: TRUCK SHOP MAUI, LLC/ LICENSE #RD-4273

Address: 1188 LOWER MAIN ST.

WAILUKU, HI 96793

Telephone Number: 808-868-4809

Email: AARON SERRAO - ASERRAO1230@GMAIL.COM

CHASSIS: VALLEY ISLE MOTORS, LTD.
221 S. PUUNENE AVE. KAHULUI, HI 96732
808-877-3673
ERIC HOFER - EHOFFER@JIMFALKAUTOMOTIVEGROUP.COM

Service and Repair Facility:

Name: TRUCK SHOP MAUI, LLC/ LICENSE #RD-4273

Address: 1188 LOWER MAIN ST.
WAILUKU, HI 96793

Telephone Number: 808-868-4809

Email: AARON SERRAO - ASERRAO1230@GMAIL.COM

ITEM 7

FURNISHING AND DELIVERING OF One (1) Fourteen (14) Passenger Van with Three (3) Wheelchair Positions and Lift Located Curbside Immediately Rear of Front Entrance for Catholic Charities Hawaii

ITEM DESCRIPTION

One (1) Fourteen (14) Passenger Van as described in the Vehicle Specification Section, pages 17-1 thru 17-3

Year/Make: 2024 FORD E-450

Manufacturer: STARCRAFT

Model Name: ALLSTAR

Model No.: 22

a. Unit Bid Price: \$165,261-

b. Applicable Taxes: \$ 8,127-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$173,388-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.

HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

CHASSIS: HONOLULU FORD
1370 N. KING ST. HONOLULU, HI 96817
808-824-3981
JOHN LE - JOHNLE@LITHIA.COM

Service and Repair Facility:

Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.

HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

ITEM 8

FURNISHING AND DELIVERING OF One (1) Fourteen (14) Passenger Van with Three (3) Wheelchair Positions and Lift Located Curbside Immediately Rear of Front Entrance for Responsive Caregivers of Hawaii

ITEM DESCRIPTION

One (1) Fourteen (14) Passenger Van as described in the Vehicle Specification Section, pages 18-1 thru 18-3

Year/Make: 2024 FORD E-450

Manufacturer: STARCRAFT

Model Name: ALLSTAR

Model No.: 22

a. Unit Bid Price: \$165,261-

b. Applicable Taxes: \$ 8,127-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$173,388-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.

HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

CHASSIS: HONOLULU FORD
1370 N. KING ST. HONOLULU, HI 96817
808-824-3981
JOHN LE - JOHNLE@LITHIA.COM

Service and Repair Facility:

Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.

HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

ITEM 9

FURNISHING AND DELIVERING OF One (1) Fourteen (14) Passenger Van with Three (3) Wheelchair Positions and Lift Located Curbside Immediately Rear of Front Entrance for Responsive Caregivers of Hawaii

ITEM DESCRIPTION

One (1) Fourteen (14) Passenger Van as described in the Vehicle Specification Section, pages 19-1 thru 19-3

Year/Make: 2024 FORD E-450

Manufacturer: STARCRAFT

Model Name: ALLSTAR

Model No.: 22

a. Unit Bid Price: \$165,261-

b. Applicable Taxes: \$ 8,127-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 173,388-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.

HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

CHASSIS: HONOLULU FORD
1370 N. KING ST. HONOLULU, HI 96817
808-824-3981
JOHN LE - JOHNLE@LITHIA.COM

Service and Repair Facility:

Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.

HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

ITEM 10

FURNISHING AND DELIVERING OF One (1) Fourteen (14) Passenger Van with Three (3) Wheelchair Positions and Lift Located Curbside Immediately Rear of Front Entrance for Kilohana Senior Enrichment Center

ITEM DESCRIPTION

One (1) Fourteen (14) Passenger Van as described in the Vehicle Specification Section, pages 20-1 thru 20-3

Year/Make: 2024 FORD E-450

Manufacturer: STARCRAFT

Model Name: ALLSTAR

Model No.: 22

a. Unit Bid Price: \$165,261-

b. Applicable Taxes: \$ 8,127 -

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$173,388-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

Name: SODERHOLM SALES AND LEASING, INC. / LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.

HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

CHASSIS: HONOLULU FORD
1370 N. KING ST. HONOLULU, HI 96817
808-824-3981
JOHN LE - JOHNLE@LITHIA.COM

Service and Repair Facility:

Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.

HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

ITEM 11

FURNISHING AND DELIVERING OF A Ten (10) Passenger Van with Two (2) Wheelchair Positions and Lift Located Rear of Vehicle for Hawaii County Economic Opportunity Council

ITEM DESCRIPTION

One (1) Ten (10) Passenger Van as described in the Vehicle Specification Section, pages 21-1 thru 21-2

Year/Make: 2024 FORD

Manufacturer: SUNSET VANS

Model Name: TRANSIT

Model No.: T150

a. Unit Bid Price: \$123,569-

b. Applicable Taxes: \$ 6,146-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$129,715-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility: **BODY & COMPONENTS:**

Name: RANNIKKS SPECIALTY VEHICLES/ LICENSE #RD-2636

Address: 843-B LEILANI ST.
HILO, HI 96720

Telephone Number: 808-961-3889

Email: JAN NAKASHIMA - RANNIKKSJAN@HAWAII.RR.COM
CHASSIS: ORCHID ISLE AUTO CENTER
1030 KANOELEHUA AVE. HILO, HI 96720
808-935-1191 EXT. 106
JAY BLAKE - HILOFORD@MSN.COM

Service and Repair Facility:

Name: **RANNIKKS SPECIALTY VEHICLES/ LICENSE #RD-2636**

Address: **843-B LEILANI ST.**

HILO, HI 96720

Telephone Number: **808-961-3889**

Email: **JAN NAKASHIMA - RANNIKKSJAN@HAWAII.RR.COM**

ITEM 12

FURNISHING AND DELIVERING OF One (1) Ten (10) Passenger Van with Two (2) Wheelchair Positions and Lift Located Rear of Vehicle for Hawaii County Economic Opportunity Council

ITEM DESCRIPTION

One (1) Ten (10) Passenger Van as described in the Vehicle Specification Section, pages 22-1 thru 22-2

Year/Make: 2024 FORD

Manufacturer: SUNSET VANS

Model Name: TRANSIT

Model No.: T150

a. Unit Bid Price: \$123,569-

b. Applicable Taxes: \$ 6,146-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$129,715-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

BODY & COMPONENTS:

Warranty Facility:

Name: RANNIKKS SPECIALTY VEHICLES/ LICENSE #RD-2636

Address: 843-B LEILANI ST.

HILO, HI 96720

Telephone Number: 808-961-3889

Email: JAN NAKASHIMA - RANNIKKSJAN@HAWAII.RR.COM

CHASSIS: ORCHID ISLE AUTO CENTER
1030 KANOELEHUA AVE. HILO, HI 96720
808-935-1191 EXT. 106
JAY BLAKE - HILOFORD@MSN.COM

Service and Repair Facility:

Name: **RANNIKKS SPECIALTY VEHICLES/ LICENSE #RD-2636**

Address: **843-B LEILANI ST.**
HILO, HI 96720

Telephone Number: **808-961-3889**

Email: **JAN NAKASHIMA - RANNIKKSJAN@HAWAII.RR.COM**

ITEM 13

FURNISHING AND DELIVERING OF A Ten (10) Passenger Van with Two (2) Wheelchair Positions and Lift Located Rear of Vehicle for Arc of Maui County

ITEM DESCRIPTION

One (1) Ten (10) Passenger Van as described in the Vehicle Specification Section, pages 23-1 thru 23-2

Year/Make: 2024 FORD

Manufacturer: SUNSET VANS

Model Name: TRANSIT

Model No.: T150

a. Unit Bid Price: \$123,569-

b. Applicable Taxes: \$ 5,434-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 129,003-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

BODY & COMPONENTS:

Name: TRUCK SHOP MAUI, LLC/ LICENSE #RD-4273

Address: 1188 LOWER MAIN ST.

WAILUKU, HI 96793

Telephone Number: 808-868-4809

Email: AARON SERRARO - ASERRARO1230@GMAIL.COM

**CHASSIS: VALLEY ISLE MOTORS, LTD.
221 S. PUUNENE AVE. KAHULUI, HI 96732
808-877-3673
ERIC HOFER - EHOFFER@JIMFALKAUTOMOTIVEGROUP.COM**

Service and Repair Facility:

Name: TRUCK SHOP MAUI, LLC/ LICENSE #RD-4273

Address: 1188 LOWER MAIN ST.
WAILUKU, HI 96793

Telephone Number: 808-868-4809

Email: AARON SERRARO - ASERRARO1230@GMAIL.COM

ITEM 14

FURNISHING AND DELIVERING OF A Fourteen (14) Passenger Van with Three (3) Wheelchair Positions and Lift Located Curbside Immediately Rear of Front Entrance for Hale Makua Health Services

ITEM DESCRIPTION

One (1) Fourteen (14) Passenger Van as described in the Vehicle Specifications Section, pages 24-1 thru 24-3

Year/Make: 2024 FORD E-450

Manufacturer: STARCRAFT

Model Name: ALLSTAR

Model No.: 22

a. Unit Bid Price: \$ 167,731-

b. Applicable Taxes: \$ 7,391-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 175,122-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

BODY & COMPONENTS:

Name: TRUCK SHOP MAUI, LLC/ LICENSE #RD-4273

Address: 1188 LOWER MAIN ST.

WAILUKU, HI 96793

Telephone Number: 808-868-4809

Email: AARON SERRARO - ASERRARO1230@GMAIL.COM

CHASSIS: VALLEY ISLE MOTORS, LTD.
221 S. PUUNENE AVE. KAHULUI, HI 96732
808-877-3673
ERIC HOFER - EHOFFER@JIMFALKAUTOMOTIVEGROUP.COM

Service and Repair Facility:

Name: TRUCK SHOP MAUI, LLC/ LICENSE #RD-4273

Address: 1188 LOWER MAIN ST.

WAILUKU, HI 96793

Telephone Number: 808-868-4809

Email: AARON SERRARO - ASERRARO1230@GMAIL.COM

ITEM 15

FURNISHING AND DELIVERING OF One (1) Fourteen (14) Passenger Van with Three (3) Wheelchair Positions and Lift Located Curbside Immediately Rear of Front Entrance for Maui Economic Opportunity, Inc.

ITEM DESCRIPTION

One (1) Fourteen (14) Passenger Van as described in the Vehicle Specifications Section, pages 25-1 thru 25-3

Year/Make: 2024 FORD E-450

Manufacturer: STARCRAFT

Model Name: ALLSTAR

Model No.: 22

a. Unit Bid Price: \$ 167,731-

b. Applicable Taxes: \$ 7,391-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 175,122-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

BODY & COMPONENTS:

Name: TRUCK SHOP MAUI, LLC/ LICENSE #RD-4273

Address: 1188 LOWER MAIN ST.

WAILUKU, HI 96793

Telephone Number: 808-868-4809

Email: AARON SERRARO - ASERRARO1230@GMAIL.COM

CHASSIS: VALLEY ISLE MOTORS, LTD.
221 S. PUUNENE AVE. KAHULUI, HI 96732
808-877-3673
ERIC HOFER - EHOFFER@JIMFALKAUTOMOTIVEGROUP.COM

Service and Repair Facility:

Name: TRUCK SHOP MAUI, LLC/ LICENSE #RD-4273

Address: 1188 LOWER MAIN ST.

WAILUKU, HI 96793

Telephone Number: 808-868-4809

Email: AARON SERRARO - ASERRARO1230@GMAIL.COM

ITEM 16

FURNISHING AND DELIVERING OF One (1) Fourteen (14) Passenger Van with Three (3) Wheelchair Positions and Lift Located Curbside Immediately Rear of Front Entrance for Catholic Charities Hawaii

ITEM DESCRIPTION

One (1) Fourteen (14) Passenger Van as described in the Vehicle Specifications Section, pages 26-1 thru 26-3

Year/Make: 2024 FORD E-450

Manufacturer: STARCRAFT

Model Name: ALLSTAR

Model No.: 22

a. Unit Bid Price: \$165,261-

b. Applicable Taxes: \$ 8,127-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$173,388-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.

HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

CHASSIS: HONOLULU FORD
1370 N. KING ST. HONOLULU, HI 96817
808-824-3981
JOHN LE - JOHNLE@LITHIA.COM

Service and Repair Facility:

Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.

HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

ITEM 17

FURNISHING AND DELIVERING OF One (1) Low Floor Minivan with Two (2) Wheelchair Positions and Manual Bi-Fold Swing-Away Ramp for Opportunities and Resources, Inc.

ITEM DESCRIPTION

One (1) LowFloor Minivan as described in the Vehicle Specification Section, pages 27-1 thru 27-3

Year/Make: 2023 CHRYSLER VOYAGER LX

Manufacturer: BRAUNABILITY

Model Name: MANUAL SIDE-ENTRY

Model No.: N/A

a. Unit Bid Price: \$ 106,937-

b. Applicable Taxes: \$ 5,134-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 112,071-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.

HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

**CHASSIS: CUTTER CHRYSLER, DODGE, JEEP, RAM, FIAT
777 ALA MOANA BLVD. HONOLULU, HI 96813
808-564-9950
CRYSTAL FREITAS - CFREITAS@CUTTERAUTO.COM**

Service and Repair Facility:

Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.
HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

ITEM 18

FURNISHING AND DELIVERING OF One (1) Low Floor Minivan with Two (2) Wheelchair Positions and Manual Bi-Fold Swing-Away Ramp for ORI Anuenue Hale, Inc.

ITEM DESCRIPTION

One (1) Low Floor Minivan as described in the Vehicle Specifications Section, pages 28-1 thru 28-3

Year/Make: 2023 CHRYSLER VOYAGER LX

Manufacturer: BRAUNABILITY

Model Name: MANUAL SIDE-ENTRY

Model No.: N/A

a. Unit Bid Price: \$106,937-

b. Applicable Taxes: \$ 5,134-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$112,071-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.

HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

**CHASSIS: CUTTER CHRYSLER, DODGE, JEEP, RAM, FIAT
777 ALA MOANA BLVD. HONOLULU, HI 96813
808-564-9950
CRYSTAL FREITAS - CFREITAS@CUTTERAUTO.COM**

Service and Repair Facility:

Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.

HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

ITEM 19

FURNISHING AND DELIVERING OF A Ten (10) Passenger Van with Two (2) Wheelchair Positions and Lift Located Rear of Vehicle for Responsive Caregivers of Hawaii

ITEM DESCRIPTION

One (1) Ten (10) Passenger van as described in the Vehicle Specifications Section, pages 29-1 thru 29-2

Year/Make: 2024 FORD

Manufacturer: SUNSET VANS

Model Name: TRANSIT

Model No.: T150

a. Unit Bid Price: \$ 106,851-

b. Applicable Taxes: \$ 5,278-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 112,129-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.

HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

CHASSIS: HONOLULU FORD
1370 N. KING ST. HONOLULU, HI 96817
808-824-3981
JOHN LE - JOHNLE@LITHIA.COM

Service and Repair Facility:

Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.
HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

ITEM 20

FURNISHING AND DELIVERING OF A Ten (10) Passenger Van with Two (2) Wheelchair Positions and Lift Located Rear of Vehicle for Responsive Caregivers of Hawaii

ITEM DESCRIPTION

One (1) Ten (10) Passenger Van as described in the Vehicle Specifications Section, pages 30-1 thru 30-2

Year/Make: 2024 FORD

Manufacturer: SUNSET VANS

Model Name: TRANSIT

Model No.: T150

a. Unit Bid Price: \$ 106,851-

b. Applicable Taxes: \$ 5,278-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 112,129-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.

HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

CHASSIS: HONOLULU FORD
1370 N. KING ST. HONOLULU, HI 96817
808-824-3981
JOHN LE - JOHNLE@LITHIA.COM

Service and Repair Facility:

Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.
HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

ITEM 21

FURNISHING AND DELIVERING OF One (1) Fourteen (14) Passenger Van with Three (3) Wheelchair Positions and Lift Located Curbside Immediately Rear of Front Entrance for Kona Associate for Retarded Citizens dba The Arc of Kona

ITEM DESCRIPTION

One (1) Fourteen (14) Passenger Van as described in the Vehicle Specification Section, pages 31-1 thru 31-3

Year/Make: 2024 FORD E-450

Manufacturer: STARCRAFT

Model Name: ALLSTAR

Model No.: 22

a. Unit Bid Price: \$ 167,731-

b. Applicable Taxes: \$ 8,360-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 176,091-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

BODY & COMPONENTS:

Name: RANNIKKS SPECIALTY VEHICLES/ LICENSE #RD-2636

Address: 843-B LEILANI ST.

HILO, HI 96720

Telephone Number: 808-961-3889

Email: JAN NAKASHIMA - RANNIKKSJAN@HAWAII.RR.COM

CHASSIS: ORCHID ISLE AUTO CENTER
1030 KANOELEHUA AVE. HILO, HI 96720
808-935-1191 EXT. 106
JAY BLAKE - HILOFORD@MSN.COM

Service and Repair Facility:

Name: **RANNIKKS SPECIALTY VEHICLES/ LICENSE #RD-2636**

Address: **843-B LEILANI ST.**
HILO, HI 96720

Telephone Number: **808-961-3889**

Email: **JAN NAKASHIMA - RANNIKKSJAN@HAWAII.RR.COM**

ITEM 22

FURNISHING AND DELIVERING OF One (1) Fourteen (14) Passenger Van with Three (3) Wheelchair Positions and Lift Located Curbside Immediately Rear of Front Entrance for County of Kauai Transportation Agency

ITEM DESCRIPTION

One (1) Fourteen (14) Passenger Van as described in the Vehicle Specification Section, pages 32-1 thru 32-3

Year/Make: 2024 FORD E-450

Manufacturer: STARCRAFT

Model Name: ALLSTAR

Model No.: 22

a. Unit Bid Price: \$ 167,731-

b. Applicable Taxes: \$ 8,360-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 176,091-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

BODY & COMPONENTS:

Name: KAUAI VEHICLE SERVICE CENTER/ LICENSE #RD-4134

Address: 3124 PELEKE ST.

LIHUE, HI 96766

Telephone Number: 808-246-6711

Email: JOHN ISHIBASHI - JOHN@KAUAIVEHICLE.COM

CHASSIS: KUHIO FORD
3050 HOOLAKO ST. LIHUE, HI 96766
808-245-3673
CHRIS BUTANO - CHRISB@KUHIOAUTOGROUP.COM

Service and Repair Facility:

Name: KAUAI VEHICLE SERVICE CENTER/ LICENSE #RD-4134

Address: 3124 PELEKE ST.

LIHUE, HI 96766

Telephone Number: 808-246-6711

Email: JOHN ISHIBASHI - JOHN@KAUAIVEHICLE.COM

ITEM 23

FURNISHING AND DELIVERING OF One (1) Ten (10) Passenger Van with Two (2) Wheelchair Positions and Lift Located Rear of Vehicle for Maui Adult Day Care Centers

ITEM DESCRIPTION

One (1) Ten (10) Passenger Van as described in the Vehicle Specification Section, pages 33-1 thru 33-2

Year/Make: 2024 FORD

Manufacturer: SUNSET VANS

Model Name: TRANSIT

Model No.: T150

a. Unit Bid Price: \$ 123,569-

b. Applicable Taxes: \$ 5,434-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 129,003-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

BODY & COMPONENTS:

Name: TRUCK SHOP MAUI, LLC/ LICENSE #RD-4273

Address: 1188 LOWER MAIN ST.

WAILUKU, HI 96793

Telephone Number: 808-868-4809

Email: AARON SERRARO - ASERRARO1230@GMAIL.COM

CHASSIS: VALLEY ISLE MOTORS, LTD.
221 S. PUUNENE AVE. KAHULUI, HI 96732
808-877-3673
ERIC HOFER - EHOFFER@JIMFALKAUTOMOTIVEGROUP.COM

Service and Repair Facility:

Name: TRUCK SHOP MAUI, LLC/ LICENSE #RD-4273

Address: 1188 LOWER MAIN ST.

WAILUKU, HI 96793

Telephone Number: 808-868-4809

Email: AARON SERRARO - ASERRARO1230@GMAIL.COM

ITEM 24

FURNISHING AND DELIVERING OF One (1) Low Floor Minivan with Two (2) Wheelchair Positions and Manual Bi-Fold Swing-Away Ramp for Arc of Maui County

ITEM DESCRIPTION

One (1) Low Floor Minivan as described in the Vehicle Specification Section, pages 34-1 thru 34-3

Year/Make: 2023 CHRYSLER VOYAGER LX

Manufacturer: BRAUNABILITY

Model Name: MANUAL SIDE-ENTRY

Model No.: N/A

a. Unit Bid Price: \$ 107,564-

b. Applicable Taxes: \$ 4,592-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 112,156-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

BODY & COMPONENTS:

Name: TRUCK SHOP MAUI, LLC/ LICENSE #RD-4273

Address: 1188 LOWER MAIN ST.

WAILUKU, HI 96793

Telephone Number: 808-868-4809

Email: AARON SERRARO - ASERRARO1230@GMAIL.COM

CHASSIS: JIM FALK CHRYSLER, DODGE, JEEP, RAM
195 S. PUUNENE AVE. KAHULUI, HI 96732
808-893-7760

LAHELA CONSTANTINO - LCONSTANTINO@JIMFALKAUTOMOTIVEGROUP.COM

Service and Repair Facility:

Name: TRUCK SHOP MAUI, LLC/ LICENSE #RD-4273

Address: 1188 LOWER MAIN ST.

WAILUKU, HI 96793

Telephone Number: 808-868-4809

Email: AARON SERRARO - ASERRARO1230@GMAIL.COM

ITEM 25

FURNISHING AND DELIVERING OF A Ten (10) Passenger Van with Two (2) Wheelchair Positions and Lift Located Rear of Vehicle for Hale Makua Health Services

ITEM DESCRIPTION

One (1) Ten (10) Passenger Van as described in the Vehicle Specification Section, pages 35-1 thru 35-2

Year/Make: 2024 FORD

Manufacturer: SUNSET VANS

Model Name: TRANSIT

Model No.: T150

a. Unit Bid Price: \$ 123,569-

b. Applicable Taxes: \$ 5,434-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 129,003-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

BODY & COMPONENTS:

Name: TRUCK SHOP MAUI, LLC/ LICENSE #RD-4273

Address: 1188 LOWER MAIN ST.

WAILUKU, HI 96793

Telephone Number: 808-868-4809

Email: AARON SERRARO - ASERRARO1230@GMAIL.COM

CHASSIS: VALLEY ISLE MOTORS, LTD.
221 S. PUUNENE AVE. KAHULUI, HI 96732
808-877-3673
ERIC HOFER - EHOFFER@JIMFALKAUTOMOTIVEGROUP.COM

Service and Repair Facility:

Name: TRUCK SHOP MAUI, LLC/ LICENSE #RD-4273

Address: 1188 LOWER MAIN ST.

WAILUKU, HI 96793

Telephone Number: 808-868-4809

Email: AARON SERRARO - ASERRARO1230@GMAIL.COM

ITEM 26

FURNISHING AND DELIVERING OF One (1) Fourteen (14) Passenger Van with Three (3) Wheelchair Positions and Lift Located Curbside Immediately Rear of Front Entrance for Maui Adult Day Care Centers

ITEM DESCRIPTION

One (1) Fourteen (14) Passenger Van as described in the Vehicle Specification Section, pages 36-1 thru 36-3

Year/Make: 2024 FORD E-450

Manufacturer: STARCRAFT

Model Name: ALLSTAR

Model No.: 22

a. Unit Bid Price: \$ 167,731-

b. Applicable Taxes: \$ 7,391-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 175,122-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility: **BODY & COMPONENTS:**
Name: TRUCK SHOP MAUI, LLC/ LICENSE #RD-4273
Address: 1188 LOWER MAIN ST.
WAILUKU, HI 96793
Telephone Number: 808-868-4809
Email: AARON SERRARO - ASERRARO1230@GMAIL.COM
CHASSIS: VALLEY ISLE MOTORS, LTD.
221 S. PUUNENE AVE. KAHULUI, HI 96732
808-877-3673
ERIC HOFER - EHOFFER@JIMFALKAUTOMOTIVEGROUP.COM

Service and Repair Facility:

Name: TRUCK SHOP MAUI, LLC/ LICENSE #RD-4273

Address: 1188 LOWER MAIN ST.
WAILUKU, HI 96793

Telephone Number: 808-868-4809

Email: AARON SERRARO - ASERRARO1230@GMAIL.COM

ITEM 27

FURNISHING AND DELIVERING OF One (1) Fourteen (14) Passenger Van with Three (3) Wheelchair Positions and Lift Located Curbside Immediately Rear of Front Entrance for Maui Economic Opportunity, Inc.

ITEM DESCRIPTION

One (1) Fourteen (14) Passenger Van as described in the Vehicle Specification Section, pages 37-1 thru 37-3

Year/Make: 2024 FORD E-450

Manufacturer: STARCRAFT

Model Name: ALLSTAR

Model No.: 22

a. Unit Bid Price: \$ 167,731-

b. Applicable Taxes: \$ 7,391-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 175,122-

(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

BODY & COMPONENTS:

Name: TRUCK SHOP MAUI, LLC/ LICENSE #RD-4273

Address: 1188 LOWER MAIN ST.

WAILUKU, HI 96793

Telephone Number: 808-868-4809

Email: AARON SERRARO - ASERRARO1230@GMAIL.COM

CHASSIS: VALLEY ISLE MOTORS, LTD.

221 S. PUUNENE AVE. KAHULUI, HI 96732

808-877-3673

ERIC HOFER - EHOFFER@JIMFALKAUTOMOTIVEGROUP.COM

Service and Repair Facility:

Name: TRUCK SHOP MAUI, LLC/ LICENSE #RD-4273

Address: 1188 LOWER MAIN ST.

WAILUKU, HI 96793

Telephone Number: 808-868-4809

Email: AARON SERRARO - ASERRARO1230@GMAIL.COM

ITEM 28

FURNISHING AND DELIVERING OF A Fourteen (14) Passenger Van with Three (3) Wheelchair Positions and Lift Located Curbside Immediately Rear of Front Entrance for Catholic Charities Hawaii

ITEM DESCRIPTION

One (1) Fourteen (14) Passenger Van as described in the Vehicle Specifications Section, pages 38-1 thru 38-3

Year/Make: 2024 FORD E-450

Manufacturer: STARCRAFT

Model Name: ALLSTAR

Model No.: 22

a. Unit Bid Price: \$ 165,261-

b. Applicable Taxes: \$ 8,127-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 173,388-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.

HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

CHASSIS: HONOLULU FORD
1370 N. KING ST. HONOLULU, HI 96817
808-824-3981
JOHN LE - JOHNLE@LITHIA.COM

Service and Repair Facility:

Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.

HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

ITEM 29

FURNISHING AND DELIVERING OF One (1) Low Floor Minivan with Two (2) Wheelchair Positions and Manual Bi-Fold Swing-Away Ramp for Opportunities and Resources, Inc.

ITEM DESCRIPTION

One (1) Low Floor Minivan as described in the Vehicle Specifications Section, pages 39-1 thru 39-3

Year/Make: 2023 CHRYSLER VOYAGER LX

Manufacturer: BRAUNABILITY

Model Name: MANUAL SIDE-ENTRY

Model No.: N/A

a. Unit Bid Price: \$ 106,937-

b. Applicable Taxes: \$ 5,134-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 112,071-

(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.

HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

CHASSIS: CUTTER CHRYSLER, DODGE, JEEP, RAM, FIAT

777 ALA MOANA BLVD. HONOLULU, HI 96813

808-564-9950

CRYSTAL FREITAS - CFREITAS@CUTTERAUTO.COM

Service and Repair Facility:

Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.

HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

ITEM 30

FURNISHING AND DELIVERING OF One (1) Fourteen (14) Passenger Van with Three (3) Wheelchair Positions and Lift Located Curbside Immediately Rear of Front Entrance for ORI Anuenue Hale, Inc.

ITEM DESCRIPTION

One (1) Fourteen (14) Passenger van as described in the Vehicle Specifications Section, pages 40-1 thru 40-3

Year/Make: 2024 FORD E-450

Manufacturer: STARCRAFT

Model Name: ALLSTAR

Model No.: 22

a. Unit Bid Price: \$ 165,261-

b. Applicable Taxes: \$ 8,127-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 173,388-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.

HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

CHASSIS: HONOLULU FORD
1370 N. KING ST. HONOLULU, HI 96817
808-824-3981
JOHN LE - JOHNLE@LITHIA.COM

Service and Repair Facility:

Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.

HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

ITEM 31

FURNISHING AND DELIVERING OF Ten (10) Passenger Van with Two (2) Wheelchair Positions and Manual Bi-Fold Swing-Away Ramp for Responsive Caregivers of Hawaii

ITEM DESCRIPTION

One (1) Ten (10) Passenger Van as described in the Vehicle Specification Section, pages 41-1 thru 41-3

Year/Make: 2024 FORD

Manufacturer: SUNSET VANS

Model Name: TRANSIT

Model No.: T150

a. Unit Bid Price: \$ 106,851-

b. Applicable Taxes: \$ 5,278-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 112,129-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.

HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

CHASSIS: HONOLULU FORD
1370 N. KING ST. HONOLULU, HI 96817
808-824-3981
JOHN LE - JOHNLE@LITHIA.COM

Service and Repair Facility:

Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.

HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

ITEM 32

FURNISHING AND DELIVERING OF A Ten (10) Passenger Van with Two (2) Wheelchair Positions and Manual Bi-Fold Swing-Away Ramp for Responsive Caregivers of Hawaii

ITEM DESCRIPTION

One (1) Ten (10) Passenger Van as described in the Vehicle Specifications Section, pages 42-1 thru 42-3

Year/Make: 2024 FORD
Manufacturer: SUNSET VANS
Model Name: TRANSIT
Model No.: T150

a. Unit Bid Price: \$ 106,851-

b. Applicable Taxes: \$ 5,278-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 112,129-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.

HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

CHASSIS: HONOLULU FORD
1370 N. KING ST. HONOLULU, HI 96817
808-824-3981
JOHN LE - JOHNLE@LITHIA.COM

Service and Repair Facility:

Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.
HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

ITEM 33

FURNISHING AND DELIVERING OF One (1) Low Floor Minivan with One (1) Wheelchair and Manual Bi-Fold Swing-Away Ramp Position for The Arc of Hilo

ITEM DESCRIPTION

One (1) Low Floor Minivan as described in the Vehicle Specifications Section, pages 43-1 thru 43-3

Year/Make: 2023 CHRYSLER VOYAGER LX

Manufacturer: BRAUNABILITY

Model Name: MANUAL SIDE-ENTRY

Model No.: N/A

a. Unit Bid Price: \$ 107,564-

b. Applicable Taxes: \$ 5,193-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 112,757-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

BODY & COMPONENTS:

Name: RANNIKKS SPECIALTY VEHICLES/ LICENSE #RD-2636

Address: 843-B LEILANI ST.
HILO, HI 96720

Telephone Number: 808-961-3889

Email: JAN NAKASHIMA - RANNIKKSJAN@HAWAII.RR.COM

CHASSIS: KAMAAINA MOTORS
400 E. KAWILI ST. HILO, HI 96720
808-961-2885
CHRISIREE VARIZE - CRISIREE.VARIZE@KAMAAINA MOTORS.COM

Service and Repair Facility:

Name: **RANNIKKS SPECIALTY VEHICLES/ LICENSE #RD-2636**

Address: **843-B LEILANI ST.**
HILO, HI 96720

Telephone Number: **808-961-3889**

Email: **JAN NAKASHIMA - RANNIKKSJAN@HAWAII.RR.COM**

ITEM 34

FURNISHING AND DELIVERING OF One (1) Fourteen (14) Passenger Van with Three (3) Wheelchair Positions and Lift Located Curbside Immediately Rear of Front Entrance for Arc of Maui (Lahaina, Maui Program)

ITEM DESCRIPTION

One (1) Fourteen (14) Passenger Van as described in the Vehicle Specifications Section, pages 44-1 thru 44-4

Year/Make: 2024 FORD E-450

Manufacturer: STARCRAFT

Model Name: ALLSTAR

Model No.: 22

a. Unit Bid Price: \$ 167,731-

b. Applicable Taxes: \$ 7,391-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 175,122-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

BODY & COMPONENTS:

Name: TRUCK SHOP MAUI, LLC/ LICENSE #RD-4273

Address: 1188 LOWER MAIN ST.

WAILUKU, HI 96793

Telephone Number: 808-868-4809

Email: AARON SERRARO - ASERRARO1230@GMAIL.COM

CHASSIS: VALLEY ISLE MOTORS, LTD.

221 S. PUUNENE AVE. KAHULUI, HI 96732
808-877-3673

ERIC HOFER - EHOFFER@JIMFALKAUTOMOTIVEGROUP.COM

Service and Repair Facility:

Name: TRUCK SHOP MAUI, LLC/ LICENSE #RD-4273

Address: 1188 LOWER MAIN ST.

WAILUKU, HI 96793

Telephone Number: 808-868-4809

Email: AARON SERRARO - ASERRARO1230@GMAIL.COM

ITEM 35

FURNISHING AND DELIVERING OF One (1) Fourteen (14) Passenger Van with Three (3) Wheelchair Positions and Lift Located Curbside Immediately Rear of Front Entrance for Arc of Maui (Molokai Residence)

ITEM DESCRIPTION

One (1) Fourteen (14) Passenger Van as described in the Vehicle Specification Section, pages 45-1 thru 45-3

Year/Make: 2024 FORD E-450

Manufacturer: STARCRAFT

Model Name: ALLSTAR

Model No.: 22

a. Unit Bid Price: \$ 167,731-

b. Applicable Taxes: \$ 7,391-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 175,122-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility: **BODY & COMPONENTS:**
Name: TRUCK SHOP MAUI, LLC/ LICENSE #RD-4273
Address: 1188 LOWER MAIN ST.
WAILUKU, HI 96793
Telephone Number: 808-868-4809
Email: AARON SERRARO - ASERRARO1230@GMAIL.COM
CHASSIS: VALLEY ISLE MOTORS, LTD.
221 S. PUUNENE AVE. KAHULUI, HI 96732
808-877-3673
ERIC HOFER - EHOFFER@JIMFALKAUTOMOTIVEGROUP.COM

Service and Repair Facility:

Name: TRUCK SHOP MAUI, LLC/ LICENSE #RD-4273

Address: 1188 LOWER MAIN ST.

WAILUKU, HI 96793

Telephone Number: 808-868-4809

Email: AARON SERRARO - ASERRARO1230@GMAIL.COM

ITEM 36

FURNISHING AND DELIVERING OF One (1) Fourteen (14) Passenger Van with Three (3) Wheelchair Positions and Lift Located Curbside Immediately Rear of Front Entrance for Hale Makua Health Services

ITEM DESCRIPTION

One (1) Fourteen (14) Passenger Van as described in the Vehicle Specification Section, pages 46-1 thru 46-3

Year/Make: 2024 FORD E-450

Manufacturer: STARCRAFT

Model Name: ALLSTAR

Model No.: 22

a. Unit Bid Price: \$167,731-

b. Applicable Taxes: \$ 7,391-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 175,122-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

BODY & COMPONENTS:

Name: TRUCK SHOP MAUI, LLC/ LICENSE #RD-4273

Address: 1188 LOWER MAIN ST.

WAILUKU, HI 96793

Telephone Number: 808-868-4809

Email: AARON SERRARO - ASERRARO1230@GMAIL.COM

CHASSIS: VALLEY ISLE MOTORS, LTD.
221 S. PUUNENE AVE. KAHULUI, HI 96732
808-877-3673
ERIC HOFER - EHOFFER@JIMFALKAUTOMOTIVEGROUP.COM

Service and Repair Facility:

Name: TRUCK SHOP MAUI, LLC/ LICENSE #RD-4273

Address: 1188 LOWER MAIN ST.

WAILUKU, HI 96793

Telephone Number: 808-868-4809

Email: AARON SERRARO - ASERRARO1230@GMAIL.COM

ITEM 37

FURNISHING AND DELIVERING OF A Fourteen (14) Passenger Van with Three (3) Wheelchair Positions and Located Curbside Immediately Rear of Front Entrance for Hawaii County Economic Opportunity Council (Elderly Transportation)

ITEM DESCRIPTION

One (1) Fourteen (14) Passenger Van as described in the Vehicle Specification Section, pages 47-1 thru 47-3

Year/Make: 2024 FORD E-450

Manufacturer: STARCRAFT

Model Name: ALLSTAR

Model No.: 22

a. Unit Bid Price: \$ 167,731-

b. Applicable Taxes: \$ 8,360-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 176,091-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

BODY & COMPONENTS:

Name: RANNIKKS SPECIALTY VEHICLES/ LICENSE #RD-2636

Address: 843-B LEILANI ST.

HILO, HI 96720

Telephone Number: 808-961-3889

Email: JAN NAKASHIMA - RANNIKKSJAN@HAWAII.RR.COM

**CHASSIS: ORCHID ISLE AUTO CENTER
1030 KANOELEHUA AVE. HILO, HI 96720
808-935-1191 EXT. 106
JAY BLAKE - HILOFORD@MSN.COM**

ITEM 37

Service and Repair Facility:

Name: RANNIKKS SPECIALTY VEHICLES/ LICENSE #RD-2636

Address: 843-B LEILANI ST.

HILO, HI 96720

Telephone Number: 808-961-3889

Email: JAN NAKASHIMA - RANNIKKSJAN@HAWAII.RR.COM

ITEM 38

FURNISHING AND DELIVERING OF A Ten (10) Passenger Van with Two (2) Wheelchair Positions and Lift Located Rear of Vehicle for Hawaii County Economic Opportunity Council

ITEM DESCRIPTION

One (1) Ten (10) Passenger Van as described in the Vehicle Specification Section, pages 48-1 thru 48-2

Year/Make: 2024 FORD

Manufacturer: SUNSET VANS

Model Name: TRANSIT

Model No.: T150

a. Unit Bid Price: \$ 123,569-

b. Applicable Taxes: \$ 6,146-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 129,715-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

BODY & COMPONENTS:

Name: RANNIKKS SPECIALTY VEHICLES/ LICENSE #RD-2636

Address: 843-B LEILANI ST.
HILO, HI 96720

Telephone Number: 808-961-3889

Email: JAN NAKASHIMA - RANNIKKSJAN@HAWAII.RR.COM

CHASSIS: ORCHID ISLE AUTO CENTER
1030 KANOELEHUA AVE. HILO, HI 96720
808-935-1191 EXT. 106
JAY BLAKE - HILOFORD@MSN.COM

Service and Repair Facility:

Name: **RANNIKKS SPECIALTY VEHICLES/ LICENSE #RD-2636**

Address: **843-B LEILANI ST.**

HILO, HI 96720

Telephone Number: **808-961-3889**

Email: **JAN NAKASHIMA - RANNIKKSJAN@HAWAII.RR.COM**

ITEM 39

FURNISHING AND DELIVERING OF One (1) Fourteen (14) Passenger Van with Three (3) Wheelchair Positions and Lift Located Curbside Immediately Rear of Front Entrance for Kona Association for Retarded Citizens dba The Arc of Kona

ITEM DESCRIPTION

One (1) Fourteen (14) Passenger Van as described in the Vehicle Specification Section, pages 49-1 thru 49-3

Year/Make: 2024 FORD E-450

Manufacturer: STARCRAFT

Model Name: ALLSTAR

Model No.: 22

a. Unit Bid Price: \$ 167,731-

b. Applicable Taxes: \$ 8,360-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 176,091-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

BODY & COMPONENTS:

Name: RANNIKKS SPECIALTY VEHICLES/ LICENSE #RD-2636

Address: 843-B LEILANI ST.

HILO, HI 96720

Telephone Number: 808-961-3889

Email: JAN NAKASHIMA - RANNIKKSJAN@HAWAII.RR.COM

CHASSIS: ORCHID ISLE AUTO CENTER
1030 KANOELEHUA AVE. HILO, HI 96720
808-935-1191 EXT. 106
JAY BLAKE - HILOFORD@MSN.COM

Service and Repair Facility:

Name: **RANNIKKS SPECIALTY VEHICLES/ LICENSE #RD-2636**

Address: **843-B LEILANI ST.**
HILO, HI 96720

Telephone Number: **808-961-3889**

Email: **JAN NAKASHIMA - RANNIKKSJAN@HAWAII.RR.COM**

ITEM 40

FURNISHING AND DELIVERING OF One (1) Fourteen (14) Passenger Van with Three (3) Wheelchair Positions and Lift Located Curbside Immediately Rear of Front Entrance for Maui Economic Opportunity inc.

ITEM DESCRIPTION

One (1) Fourteen (14) Passenger Van as described in the Vehicle Specification Section, pages 50-1 thru 50-3

Year/Make: 2024 FORD E-450

Manufacturer: STARCRAFT

Model Name: ALLSTAR

Model No.: 22

a. Unit Bid Price: \$167,731-

b. Applicable Taxes: \$ 7,391-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 175,122-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility: **BODY & COMPONENTS:**

Name: TRUCK SHOP MAUI, LLC/ LICENSE #RD-4273

Address: 1188 LOWER MAIN ST.

WAILUKU, HI 96793

Telephone Number: 808-868-4809

Email: AARON SERRARO - ASERRARO1230@GMAIL.COM

CHASSIS: VALLEY ISLE MOTORS, LTD.
221 S. PUUNENE AVE. KAHULUI, HI 96732
808-877-3673
ERIC HOFER - EHOFFER@JIMFALKAUTOMOTIVEGROUP.COM

Service and Repair Facility:

Name: TRUCK SHOP MAUI, LLC/ LICENSE #RD-4273

Address: 1188 LOWER MAIN ST.

WAILUKU, HI 96793

Telephone Number: 808-868-4809

Email: AARON SERRARO - ASERRARO1230@GMAIL.COM

ITEM 41

FURNISHING AND DELIVERING OF One (1) Fourteen (14) Passenger Van with Three (3) Wheelchair Positions and Lift Located Curbside Immediately Rear of Front Entrance for Responsive Caregivers of Hawaii

ITEM DESCRIPTION

One (1) Fourteen (14) Passenger Van as described in the Vehicle Specification Section, pages 51-1 thru 51-3

Year/Make: 2024 FORD E-450

Manufacturer: STARCRAFT

Model Name: ALLSTAR

Model No.: 22

a. Unit Bid Price: \$ 165,261-

b. Applicable Taxes: \$ 8,127-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 173,388-
(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.

HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

CHASSIS: HONOLULU FORD
1370 N. KING ST. HONOLULU, HI 96817
808-824-3981
JOHN LE - JOHNLE@LITHIA.COM

Service and Repair Facility:

Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.

HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

ITEM 42

FURNISHING AND DELIVERING OF One (1) Fourteen (14) Passenger Van with Three (3) Wheelchair Positions and Lift Located Curbside Immediately Rear of Front Entrance for Responsive Caregivers of Hawaii

ITEM DESCRIPTION

One (1) Fourteen (14) Passenger Van as described in the Vehicle Specifications Section, pages 52-1 thru 52-3

Year/Make: 2024 FORD E-450

Manufacturer: STARCRAFT

Model Name: ALLSTAR

Model No.: 22

a. Unit Bid Price: \$ 165,261-

b. Applicable Taxes: \$ 8,127-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 173,388-
(a + b)

Warranty Facility:

Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.

HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

CHASSIS: HONOLULU FORD
1370 N. KING ST. HONOLULU, HI 96817
808-824-3981
JOHN LE - JOHNLE@LITHIA.COM

Service and Repair Facility:

Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.

HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

ITEM 43

FURNISHING AND DELIVERING OF One (1) Fourteen (14) Passenger Van with Three (3) Wheelchair Positions and Lift Located Curbside Immediately Rear of Front Entrance for Catholic Charities Hawaii

ITEM DESCRIPTION

One (1) Fourteen (14) Passenger Van as described in the Vehicle Specifications Section, pages 53-1 thru 53-3

Year/Make: 2024 FORD E-450

Manufacturer: STARCRAFT

Model Name: ALLSTAR

Model No.: 22

a. Unit Bid Price: \$ 165,261-

b. Applicable Taxes: \$ 8,127-

TOTAL AMOUNT FOR COMPARISON OF BIDS: \$ 173,388-

(a + b)

In accordance with Section 10.2 of the General Specifications, the following must be provided by the bidder:

Warranty Facility:

Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.

HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

CHASSIS: HONOLULU FORD
1370 N. KING ST. HONOLULU, HI 96817
808-824-3981
JOHN LE - JOHNLE@LITHIA.COM

Service and Repair Facility:




Name: SODERHOLM SALES AND LEASING, INC./ LICENSE #RD-4138

Address: 2044 DILLINGHAM BLVD.
HONOLULU, HI 96819

Telephone Number: 808-834-1417

Email: JASON FUKUDA - JASON@SODERHOLMBUS.COM

NOTES:

-  1. Bid prices shall include all Federal, State, and local taxes, and shall also include applicable fees, charges, surcharges, licensing, shipping/handling, delivery, and any other charges associated with this solicitation.
2. The TOTAL AMOUNT FOR COMPARISON OF BIDS will be used to determine the lowest responsible bidder for each item.
3. If a discrepancy occurs between unit bid price and the bid price, the unit bid price shall govern.
4. The State reserves the right to reject any or all Proposals and to waive any defects in the best interest of the State.
-  5. Bidder may bid on any item in this proposal, and the awarding of contract(s) will be made to the responsive and responsible bidder(s) submitting the lowest qualified total bid price per item. See Section 3.1 Award of Contract of the Special Provisions (Page SP-4). If a bidder is determined the lowest responsive and responsible bidder for multiple items, one combined contract will be awarded.
6. Bidders are reminded to submit Federal Transit Administration (FTA) Federal Certifications with their bid. See paragraph 1 of Section 10.2.A. Bid Requirements.
-  7. The completed PROPOSAL and supporting documentation, including the required Federal certifications and documents corresponding to each item on the proposal as outlined in SECTION 10.2.A shall be uploaded into the State of Hawaii eProcurement System (HiePRO) as a SINGLE FILE in PDF format prior to the bid opening date and time.

Confidential or proprietary documents shall be uploaded in a SEPARATE PDF file, with "CONFIDENTIAL" or similar notation, somewhere in the file name.

Please check the files and information carefully before submitting.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HONOLULU, HAWAII

F O R M S

CONTRACT

THIS AGREEMENT, made this day _____,
by and between the STATE OF HAWAII, by its Director of Transportation, hereinafter
referred to as "STATE", and «CONTRACTOR», «STATE_OF_INCORPORATION»,
whose business and/or mailing address is «ADDRESS», hereinafter referred to as
CONTRACTOR";

WITNESSETH: That for and in consideration of the payments hereinafter
mentioned, the CONTRACTOR hereby covenants and agrees with the STATE to
complete in place, furnish and pay for all labor and materials necessary for
"«PROJECT NAME AND NO»", or such a part thereof as shall be required by the
STATE, the total amount of which labor, material and construction shall be computed at
the unit and/or lump sum prices set forth in the attached proposal schedule and shall be
the sum of «BASIC» DOLLARS (\$«BASIC_NUMERIC») as follows:

TOTAL AMOUNT FOR COMPARISON OF BIDS\$«BASIC_NUMERIC»

which sum shall be provided from STATE funds, all in accordance with the specifications, the special provisions, if any, the notice to bidders, the instructions to bidders, the proposal and plans for «PROJECT NO ONLY» and any supplements thereto, on file in the office of the Director of Transportation. These documents, together with all alterations, amendments, and additions thereto and deductions therefrom, are attached hereto or incorporated herein by reference and made a part of this contract.

The CONTRACTOR hereby covenants and agrees to complete such work from the date indicated in the Notice to Proceed issued by the STATE within «WORKING DAYS», subject, however, to such extensions as may be provided for in writing under the specifications.

For and in consideration of the covenants, undertakings and agreements of the CONTRACTOR herein set forth and upon the full and faithful performance thereof by the CONTRACTOR, the STATE hereby agrees to pay the CONTRACTOR the sum of «BASIC» DOLLARS (\$«BASIC NUMERIC») in lawful money, but not more than such part of the same as is actually earned according to the STATE's determination of the actual quantities of work performed and materials furnished by the CONTRACTOR at the unit or lump sum prices set forth in the attached proposal schedule. Such payment, including any extras, shall be made, subject to such additions or deductions hereto or hereafter made in the manner and at the time prescribed in the specifications and this contract. An additional sum of -----«EXTRAS»----- «STATE EXTRAS»DOLLARS (\$«EXTRA NUMERIC») is hereby provided for extra work and shall be provided from State funds.

All words used herein in the singular shall extend to and include the plural. All words used in the plural shall extend to and include the singular. The use of any gender shall extend to and include all genders.

IN WITNESS WHEREOF, the parties hereto have caused this instrument to be duly executed the day and year first above written.

STATE OF HAWAII

Director of Transportation

«CONTRACTOR»

Signature

Print name

Print Title

Date



**B23001311 (STP-5310-22AR) Submission from Soderholm Sales &
Leasing, Inc.**

About Soderholm Sales and Leasing, Inc.



STATE OF HAWAII
STATE PROCUREMENT OFFICE

CERTIFICATE OF VENDOR COMPLIANCE

This document presents the compliance status of the vendor identified below on the issue date with respect to certificates required from the Hawaii Department of Taxation (DOTAX), the Internal Revenue Service, the Hawaii Department of Labor and Industrial Relations (DLIR), and the Hawaii Department of Commerce and Consumer Affairs (DCCA).

Vendor Name: SODERHOLM SALES AND LEASING, INC.

DBA/Trade Name: SODERHOLM BUS & MOBILITY

Issue Date: 01/03/2023

Status: **Compliant**

Hawaii Tax#: 20410670-01
New Hawaii Tax#: GE-1359843328-01
FEIN/SSN#: XX-XXX9439
UI#: XXXXXX9548
DCCA FILE#: 74535

Status of Compliance for this Vendor on issue date:

Form	Department(s)	Status
A-6	Hawaii Department of Taxation	Compliant
8821	Internal Revenue Service	Compliant
COGS	Hawaii Department of Commerce & Consumer Affairs	Compliant
LIR27	Hawaii Department of Labor & Industrial Relations	Compliant

Status Legend:

Status	Description
Exempt	The entity is exempt from this requirement
Compliant	The entity is compliant with this requirement or the entity is in agreement with agency and actively working towards compliance
Pending	A status determination has not yet been made
Submitted	The entity has applied for the certificate but it is awaiting approval
Not Compliant	The entity is not in compliance with the requirement and should contact the issuing agency for more information



SODERHOLM SALES AND LEASING, INC.

Unique Entity ID G3Z6MU6JE3G4	CAGE / NCAGE 1KLU0	Purpose of Registration All Awards
Registration Status Active Registration	Expiration Date Dec 31, 2023	
Physical Address 2044 Dillingham BLVD Honolulu, Hawaii 96819-4023 United States	Mailing Address P O Box 19010 Honolulu, Hawaii 96817-8010 United States	

Business Information

Doing Business as (blank)	Division Name (blank)	Division Number (blank)
Congressional District Hawaii 01	State / Country of Incorporation Hawaii / United States	URL (blank)

Registration Dates

Activation Date Jan 3, 2023	Submission Date Dec 31, 2022	Initial Registration Date Mar 31, 1999
---------------------------------------	--	--

Entity Dates

Entity Start Date Mar 2, 1989	Fiscal Year End Close Date Dec 31
---	---

Immediate Owner

CAGE (blank)	Legal Business Name (blank)
------------------------	---------------------------------------

Highest Level Owner

CAGE (blank)	Legal Business Name (blank)
------------------------	---------------------------------------

Executive Compensation

In your business or organization's preceding completed fiscal year, did your business or organization (the legal entity to which this specific SAM record, represented by a Unique Entity ID, belongs) receive both of the following: 1. 80 percent or more of your annual gross revenues in U.S. federal contracts, subcontracts, loans, grants, subgrants, and/or cooperative agreements and 2. \$25,000,000 or more in annual gross revenues from U.S. federal contracts, subcontracts, loans, grants, subgrants, and/or cooperative agreements?

No

Does the public have access to information about the compensation of the senior executives in your business or organization (the legal entity to which this specific SAM record, represented by a Unique Entity ID, belongs) through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986?

Not Selected

Proceedings Questions

Is your business or organization, as represented by the Unique Entity ID on this entity registration, responding to a Federal procurement opportunity that contains the provision at FAR 52.209-7, subject to the clause in FAR 52.209-9 in a current Federal contract, or applying for a Federal grant opportunity which contains the award term and condition described in 2 C.F.R. 200 Appendix XII?

No

Does your business or organization, as represented by the Unique Entity ID on this specific SAM record, have current active Federal contracts and/or grants with total value (including any exercised/unexercised options) greater than \$10,000,000?

Not Selected

Within the last five years, had the business or organization (represented by the Unique Entity ID on this specific SAM record) and/or any of its principals, in connection with the award to or performance by the business or organization of a Federal contract or grant, been the subject of a Federal or State (1) criminal proceeding resulting in a conviction or other acknowledgment of fault; (2) civil proceeding resulting in a finding of fault with a monetary fine, penalty, reimbursement, restitution, and/or damages greater than \$5,000, or other acknowledgment of fault; and/or (3) administrative proceeding resulting in a finding of fault with either a monetary fine or penalty greater than \$5,000 or reimbursement, restitution, or damages greater than \$100,000, or other acknowledgment of fault?

Not Selected

Exclusion Summary

Active Exclusions Records?

No**SAM Search Authorization**

I authorize my entity's non-sensitive information to be displayed in SAM public search results:

Yes**Entity Types****Business Types**

Entity Structure

Corporate Entity (Not Tax Exempt)

Entity Type

Business or Organization

Organization Factors

Subchapter S Corporation

Profit Structure

For Profit Organization**Socio-Economic Types****Minority Owned Business****Self Certified Small Disadvantaged Business****Woman Owned Small Business****Woman Owned Business****Hispanic American Owned**

Check the registrant's Reps & Certs, if present, under FAR 52.212-3 or FAR 52.219-1 to determine if the entity is an SBA-certified HUBZone small business concern. Additional small business information may be found in the SBA's Dynamic Small Business Search if the entity completed the SBA supplemental pages during registration.

Financial Information

Accepts Credit Card Payments

Yes

Debt Subject To Offset

No

EFT Indicator

0000

CAGE Code

1KLU0**Electronic Funds Transfer**

Account Type

Checking

Routing Number

******1028**

Lock Box Number

(blank)

Financial Institution

BANK OF HAWAII

Account Number

******98478****Automated Clearing House**

Phone (U.S.)

8088341417

Email

denise@soderholmbus.com

Phone (non-U.S.)

(blank)

Fax

8088341070**Remittance Address****SODERHOLM SALES & LEASING INC****PO Box 19010****Honolulu, Hawaii 96817****United States****Taxpayer Information**

EIN

******9439**

Type of Tax

Applicable Federal Tax

Taxpayer Name

SODERHOLM SALES AND LEASING INC

Tax Year (Most Recent Tax Year)

2021

Name/Title of Individual Executing Consent

President

TIN Consent Date

Dec 31, 2022

Address

P O Box 19010**Honolulu, Hawaii 96817**

Signature

DENISE L SODERHOLM**Points of Contact****Accounts Receivable POC**



DENISE L Soderholm
denise@soderholmbus.com
8088341417

Electronic Business



DENISE L. Soderholm
denise@soderholmbus.com
8088341417

PO Box 19010
Honolulu, Hawaii 96817
United States

Gabrielle L Soderholm
gabi@soderholmbus.com
8088341417

PO Box 19010
Honolulu, Hawaii 96817
United States

Government Business



R. Erik Soderholm
erik@soderholmbus.com
8088341417

PO Box 19010
Honolulu, Hawaii 96817
United States

Gustaf SODERHOLM
gus@soderholmbus.com
8088341417

PO Box 19010
Honolulu, Hawaii 96817
United States

Party Performing Certification POC



Denise L. Soderholm
denise@soderholmbus.com
8088341417

PO Box 19010
Honolulu, Hawaii 96817
United States

Past Performance



DENISE L Soderholm
denise@soderholmbus.com
8088341417

PO Box 19010
Honolulu, Hawaii 96817
United States

Denise SODERHOLM
denise@soderholmbus.com
8088341417

PO Box 19010
Honolulu, Hawaii 96817
United States

Security Information

Company Security Level
(blank)

Highest Level Employee Security Level
(blank)

Service Classifications

NAICS Codes

Primary	NAICS Codes	NAICS Title
Yes	441110	New Car Dealers

Product and Service Codes

PSC	PSC Name
2310	Passenger Motor Vehicles
4910	Motor Vehicle Maintenance And Repair Shop Specialized Equipment
6150	Miscellaneous Electric Power And Distribution Equipment
J023	Maintenance, Repair, And Rebuilding Of Equipment- Ground Effect Vehicles, Motor Vehicles, Trailers, And Cycles
J025	Maintenance, Repair, And Rebuilding Of Equipment- Vehicular Equipment Components
W023	Lease Or Rental Of Equipment- Ground Effect Vehicles, Motor Vehicles, Trailers, And Cycles

Size Metrics

IGT Size Metrics

Annual Revenue (from all IGTs)

(blank)

Worldwide

Annual Receipts (in accordance with 13 CFR 121)	Number of Employees (in accordance with 13 CFR 121)
\$7,000,000.00	12

Location

Annual Receipts (in accordance with 13 CFR 121)	Number of Employees (in accordance with 13 CFR 121)
\$7,000,000.00	12

Industry-Specific

Barrels Capacity	Megawatt Hours	Total Assets
(blank)	(blank)	(blank)

Electronic Data Interchange (EDI) Information

This entity did not enter the EDI information

Disaster Response

This entity does not appear in the disaster response registry.

CORPORATE HISTORY

And

Organizational Structure and Sales & Service Administration

SODERHOLM SALES & LEASING, INC.

Date Incorporated: March 2, 1989

BACKGROUND

Soderholm Sales & Leasing, Inc. (SSL) was incorporated in 1989 by brothers Erik and Roger Soderholm. SSL's territory is Hawaii and Pacific Islands including, Polynesia, Micronesia and Melanesia.

In May, 2002, Erik completed a buy-out of Roger's share of the Company and his wife, Denise, joined the management team as Vice President. In 2011, Denise became the President and 51% owner and assumed responsibility for daily operations in addition to Accounting, Marketing and Administration. At that point in time, Erik, a 49% owner, assumed the title of Vice President and focused on Sales and Bid & Contract Administration in addition to being our in-house Legal Counsel. (See Resumes)

The company continued to focus on the commercial market for tour buses and school buses, municipal bids for paratransit and school buses and the commercial mobility vehicle market for retirement facilities as well as transporters. In 2013, SSL added the consumer mobility retail market to its focus as the market for wheelchair accessible vehicles was severely underserved in Hawaii. SSL became the exclusive dealer for BraunAbility Retail and Vantage Mobility International, LLC (VMI), Mobility Ventures, LLC (MV-1) and TransitWorks, all accessible vehicle 2nd stage manufacturers. (See attached listing of Manufacturers represented)

SALES STAFF

In November of 2014, Norman Berg joined the company as a Certified Mobility Consultant. Norman manages relationships with the Veteran's Administration, the State of Hawaii DVR, Dept. of Health-DDD and retail Mobility customers for both vehicles and Adaptive Driving Equipment. We added Gustaf "Gus" Soderholm to the sales staff in June, 2018. He has assumed the role of an Assistant Sales Manager, with a hand in all sales markets, including commercial, school bus and mobility. Gus also acts as Erik's assistant on all municipal transactions and bids. As Erik and Denise's son, Gus grew up in the business and is very familiar with all aspects through family dinners and summer work while growing up. Gus graduated from Arizona State University in May, 2017.

SSL is currently the only full time licensed bus dealer in all Counties in the State of Hawaii. SSL obtained a New Motor Vehicle Dealer license (MVD-480) for the City & County of Honolulu in 1992, having started the business as a Used Motor Vehicle Dealer. We obtained New Motor Vehicle Dealer licenses for the Counties of Hawaii and Kauai (MVD-601 and MVD-610) in 1998. Our New Motor Vehicle Dealer License for Maui County (MVD-638) was granted in 2000. We have been in operations now for 30+ years, throughout the State. (See Licenses included in this submission). SSL became registered & licensed in Guam in 2019. Soderholm American Samoa LLC, an affiliate, became registered in 11/2020.

SSL is now the largest and only full-time licensed bus dealer on each island in Hawaii as well as the only personal Mobility Dealer in the State. (Soderholm Mobility, Inc., an affiliate, was registered in 01/2013). SSL has achieved this by servicing the tour transits, hotel and school bus and paratransit markets while also recently entering the mobility retail consumer market.

SERVICE, PARTS & WARRANTY

SSL has a full service shop at our 2044 Dillingham Blvd location. We have 3 full-time technicians, 2 with Master ASE status. Our Service Manager, Nick Pugay, joined us in January, 2011. Shortly after, SSL obtained its Repair Dealer License (RD-4138) at the Dillingham location. See included Mechanic's Certifications & RD License. Angela Agader is our Service Advisor, responsible for scheduling all service and warranty appointment needs, throughout the State. SSL is the exclusive Eldorado National and Braun Warranty processing and service center in Hawaii. Raymond Zhang, our lead technician, has been with us since 2015. We've also recently hired two junior technicians, Anthony Olivetti & Roderick Tacto.

SSL has contracts with licensed service centers in each county. Each of our contracted service centers is a Licensed Repair Dealer and has licensed ASE Mechanics. We have conducted training for each of the Service Centers to feel confident in their ability to service each of our products, including school buses. Each of our Service Centers has a Master Technician on staff. Further, they complete work under the guidance of both our Service Manager, Nick Pugay and our Manufacturer's Engineers and Warranty managers.

SALES SUPPORT STAFF

We have an Administrative Staff of 4. Jessica Scheuring is our Administrative Assistant and is the primary sales support. Jessica has a career in the automotive industry, having worked in all aspects of the business office at her previous job with an OEM Auto Dealership and at SSL since January, 2016. Jessica completes Registration and Titling documentation for each vehicle, either in person or online and works closely with Municipal, Commercial and Retail customers to ensure complete and accurate titling of vehicles sold by SSL. SSL is one of the few Motor Vehicle Dealers approved to complete online vehicle registrations.

Angela Agader also joined the Administrative Staff in July 2019. Angela has a long background in Administrative jobs.

Gabrielle "Gabi" Soderholm (Erik and Denise's Daughter) graduated in May, 2018 from The Leeds School of Business at the University of Colorado, Boulder. Upon graduating, she worked for the largest bus dealership in the Pacific Northwest – Schetky Northwest Bus Sales – in Portland, Oregon for two years. While she learned the industry on the mainland, she managed the SSL Social Media Sales efforts, including the development of a YouTube Channel for video demonstrations and the redesign of our 2 websites, www.SoderholmBus.com and www.SoderholmMobility.com. Gabi joined SSL full-time in 11/2020 as our Assistant Operations Manager working in sales support, sales, web design, social media and F&I.

SALES AND SERVICE STANDARD POLICIES

SSL's primary goal is to assist its customers in vehicle procurement that both fits the needs of the customer, is affordable and works in the unique Hawaii environment. In 30 years of doing business as a Motor Vehicle Dealer, SSL has not had a single consumer complaint filed with the State DCCA – RICO division. Our goal is to make every customer a satisfied customer.

TRAINING

In 1996, SSL began providing the only Ford Fleet service training for bus operators in Hawaii by bringing in Ford instructors from the Mainland and sponsoring classes at Leeward Community College. In 2002, SSL began providing similar GM Fleet service training for bus operators at Honolulu Community College using GM training instructors. In 2003, SSL provided the first ever International Fleet training for bus operators. SSL has continued providing Fleet training for OEM chassis such as Ford & GM as well as for the component and bus body builders we represent in Hawaii. We have training opportunities available, generally, every 1-2 years at minimum.

In addition to bringing trainers here to Hawaii for our customer's benefit, SSL believes in continued training for our employees. We frequently send our Mechanics to the Mainland for special component or manufacturer training for the installation, diagnostic and maintenance of bus bodies and components, including wheelchair lifts. Our Sales Staff attends conferences annually for commercial and school buses as well as mobility vehicles and equipment that keep them abreast of changes in the industry.

CORPORATE MARKET ACHIEVEMENTS, PAST PERFORMANCE and HIGHLIGHTS

In 1989, SSL was appointed EIDorado's exclusive bus dealer for Hawaii and the Pacific Islands.

In January 1994, SSL was awarded a \$550M Federal Defense conversion contract from the State of Hawaii's High Technology Development Corp., for two (2) Escort RE electric/hybrid buses. The buses were operated by Honolulu Public Transit Authority and Hickam Air Force Base, & delivered in early 1995.

In early 1997 SSL completed the delivery of 75 ENC Aerotech buses to the City & County of Honolulu's HandiVan paratransit operation, SSL delivered, on a new contract, 12 more in 1998, and 18 more in 1999. SSL delivered another 39 in 2001 and 30 in 2002. SSL won a contract for 11 more in 2003 and nine in 2004. In 2006, SSL delivered 32 more and 20 more in 2007. In 2008, SSL had a contract for 10 more plus a contract for 18 ENC low-floor Amerivan minivans. In 2011, SSL delivered 38 HandiVans to the City & County of Honolulu. In 2014 we delivered 99 new HandiVans to the City. In 2017, SSL delivered 27 more EIDorado buses as well as 16 MV-1 vans. SSL delivered 2 Transit Works Ford Transit vans to the City in 2019. Overall, SSL has delivered a total of more than 550 wheelchair accessible vans and buses to the City and County of Honolulu for use by The HandiVan since 1997 which represents the entire HandiVan fleet. In 2020, we delivered 90 EIDorado HandiVans to OTS. We've also recently received the Notice of Award for (65) Starcraft buses for Handivan

In March 1997 SSL established and hosted the first annual Pacific Bus Expo in Honolulu featuring ENC buses and Van Hool motorcoaches. The Pacific Bus Expo was held in conjunction with the Bus Ride Aloha Bus Maintenance Forum that SSL has assisted in conducting for ten years. The 2007 Pacific Bus Expo was very successful with over 200 attendees from Hawaii, the U.S. Mainland, Guam, Saipan and Australia. SSL has taken over management of the Aloha Bus Maintenance Forums as a result of Bus Ride Magazine's discontinuation of such events nationwide. The last forum was held the week of March 11, 2019 in conjunction with the recently expanded Pacific Bus & Mobility Expo in Honolulu, Hawaii. We are planning the next forums for the Pacific Bus & Mobility Expo the week of March 6, 2023.

SSL Corporate History Organizational Structure and Sales & Service Admin

In December 2007, SSL signed another long-term dealer agreement with ABC Coach, Inc. to be the exclusive representative of Van Hool motorcoaches for Hawaii, Guam and Saipan. SSL has delivered three Van Hools in 2007 and two of the mid-size M1235 coaches in 2008. SSL began selling used MCI motorcoaches for ABC in Guam and Saipan in 1995.

In 2000, SSL became the Collins Bus dealer for Hawaii and the Pacific Islands for their small Type-A School Bus. SSL projects 15 – 20 sales over the next year. There is a definite market for Type-A school buses for small schools, school bus contractors and state bids for non-profits. SSL sold over 30 Collins buses in 2018. SSL was awarded an exclusive multi-year RFP in July 2019 with the state DOE for 251 schools. We have delivered 32 buses on this DOE contract. We recently delivered a Collins bus to Molokai High. In 2022, we got another statewide DOE menu bid for 257 schools and received 54 orders in the first few weeks.

SSL purchased and moved into their current 7,800 sq. feet facility on 2044 Dillingham Blvd. in June 2007. Our new facility has 4 service bays, parts room, office and a bus parking lot. In early 2019, SSL purchased 4 contiguous lots, totaling 19,433 sq. ft. near our current location. We are in the planning phase of renovating the existing building and developing the land for our new, state of the art Dealership location, including all aspects of Admin, Sales and Service, and 1st ever in Hawaii... an indoor accessible van showroom. See the renderings of our future site, included later in this section. We hope to start construction later this year.

SSL did their first bus lease in 1982. Presently SSL has over 20 buses, including EIDorado & Arboc, on lease or financed for terms between one (1) to seven (7) years.

In 2002 SSL began selling vans and buses to the County of Hawaii Mass Transit system. We have sold, under bid, EIDorado, 35' ENC XHF Transit buses, Alexander Dennis (ADI) double decker buses and raised roof vans. We have sold over 75 vehicles to the County of Hawaii. We delivered 4 EIDorado buses in 2019. We were recently awarded a contract for 6 ENC buses.

In 2007, SSL was appointed the exclusive dealer for Arboc. We have sold a number of their Low-Floor buses to the County of Kauai, Guam Regional Transit Agency (GRTA), County of Maui & Japan Travel Bureau (JTB) and recently delivered (5) for the County of Kauai.

Alexander Dennis (ADI) appointed SSL as its dealer in 2009. In addition to the units sold to the County of Hawaii and County of Maui, we sold 10 to ENoa Tours for its tour operations on Oahu.

In 2006, SSL received a contract for six (6) ENC Axess 40' low-floor buses for the County of Maui. In 2007, SSL received contracts from the County of Maui for seven (7) EZ-Rider II 35' low-floor transit buses. We delivered 2 more 40' Axess buses to the County of Maui earlier in 2019 and delivered 4 more in 2020. SSL has delivered all of the buses purchased by County of Maui which includes 30 large Axess or EZ-Rider transit buses. On average, the delivery and acceptance period is between 20 – 30 days, meaning a quick turnaround between the buses arrival on island and the date it is put into service.

SSL has sold 170+ buses, including EIDorado & Arboc, to the County of Kauai since the start of their transit system in 1993, after Hurricane Iniki. We are currently delivering 11 EIDorado and 5 Arboc Lo-Floor buses under contract that will be delivered in 2020. SSL has delivered all of the buses purchased by the County of Kauai. We have a contract for 20 more Starcraft buses for the County.

SSL has sold over 95% of the 200+ bus fleet operated by Maui Economic Opportunity (MEO) including all commercial and school buses on Maui, Lanai and Molokai. We have been providing buses to MEO for 30 years and have delivered 4 Collins and 3 EIDorado Buses recently. We were recently awarded a contract for 1 additional Starcraft bus for MEO.

**SSL Corporate History
Organizational Structure and
Sales & Service Admin**

SSL was awarded a \$ 5.6 million contract in 2007 for eight (8) ENC Transmark trams and trailers and three (3) low-floor Supreme/Dallas Smith Corporation Friendly Buses for the Wiki Wiki operation at the Honolulu International airport. In July 2019, SSL was awarded an \$8.7M contract for 12 ENC E-Z Riders for the Wiki Wiki system with an option approved for 12 more.

SSL has a significant presence in the Western and South Pacific. In 2016 we sold 11 ARBOC low-floor buses and 12 MV-1 vans to the Guam Regional Transit Authority in addition to 1 ARBOC to the Commonwealth Transit Authority in Saipan. In 2018 we were contracted, through a bid, for 2 Collins School buses to the American Samoa DOE. Earlier in 2019, we were awarded a contract for 3 Transit Works vans for their Dial A Ride paratransit program in American Samoa. We have delivered several Collins and Lion school buses to the Micronesian nations of the Republic of Palau, State of Kosrae and the State of Yap in 2016 – 2018. We have delivered 4 Lion and 1 Collins school buses for the State of Kosrae. We just got a contract for one more Bluebird bus for Kosrae DOE.

After our delivery of 3 Transit Works vans in 2019 in Pago Pago, American Samoa we made sales calls in Nukalofa, Tonga and Apia, Samoa. We are working with a number of schools and wheelchair accessible vans/bus sales in Tonga & Samoa. We delivered this year, two Braun ADA vans and a Starcraft bus to Dial A Ride in Pago Pago & have three Starcraft buses on order.

In 2015, SSL was appointed the exclusive dealer for Champion Bus for Hawaii and the Pacific Islands. We have sold a number of Champion Buses to tour operators, Westin Kaanapali, and LF (low-floor) buses to the Best Western/ Outrigger Hotels, and have 2 more of them recently delivered.

In 2016, SSL was appointed the exclusive dealer for Hometown Trolley, the world's largest trolley builder. The first trolley SSL sold was on Maui to Ka'anapali Trolley in 2016. We delivered 12 Streetcar Heavy-Duty Low-Floor Transit Trolleys to a subsidiary of Japan Travel Bureau (JTB) in 2019. We also delivered a Hometown Trolley to Polynesian Cultural Center in early 2022.

SSL was appointed the exclusive dealer for Driverge formally known as TransitWorks, the largest US van converter, in 2015. We have sold over 25 Transit Vans in 2018 to municipal, non-profits, tour, and shuttle operators.

In 2020, SSL was appointed the premier Bus and Van Dealer by Forest River, which entails manufacturers ElDorado, Champion, Starcraft, Elkhart Coach, Startrans, Berkshire, & Forest River Vans.

In 2020, Soderholm American Samoa, LLC was formed owned equally by Gus & Gabi Soderholm. We recently received a contract for 15 Bluebird full size school buses for the American Samoa DOE.

In 2022 SSL was appointed the dealer for Diamond Coach, Sunset Vans, Vicinity Motor Corp., FR Conversions, New England Wheels, and Elkhart Custom Design.

Some of the vehicles currently on Order:

- (10) Starcraft Buses for Guam Regional Transit Authority
- (20) Starcraft Buses for the County of Kauai
- (65) Starcraft Buses for City & County of Honolulu Handivan
- (1) Starcraft Bus for Maui Economic Opportunity, Inc.
- (3) Starcraft Buses for American Samoa Government
- (6) ENC EZ-Rider Buses for the County of Hawaii
- (4) BraunAbility Wheelchair Accessible Vans for the County of Maui
- (4) Vicinity 28' Battery Electric Low-Floor Buses for State of Hawaii Dept. of Transportation – Wiki Wiki

Projections:

SSL projects they will sell \$14 - 15 million in 2022 totaling 100 - 120 vehicles. As of 06/29/22, SSL has 38.5M/198 Vehicles on Order

AWARDS & RECOGNITION

SSL has consistently met or exceeded Manufacturer’s sales targets for the sales territory.

- | | |
|--|---|
| ENC’s President’s Club – 1990 | ENC’s – Circle of Excellence – 2004 |
| ENC’s Top Market Penetration – 1993 | Collins’ – Circle of Excellence – 2006 |
| Ricon’s - Circle of Excellence - 1994 – 1996 | Dallas Smith, Friendly Bus – Dealer of the
Year - 2007 |
| ENC’s - Top Market Penetration – 1996 | |
| Ricon’s - Top Sales Growth - Bus Division - 1997 | |
| ENC’s - Top Market Penetration – 1997 | Alexander Dennis – Dealer of the Year - 2010 |
| ENC’s – Circle of Excellence – 1998 | EIDorado Nat’l – Dedication to Service – 2013 |
| ENC’s – Circle of Excellence – 1999 | |
| ENC’s – Circle of Excellence – 2002 | |

Soderholm Sales & Leasing, Inc.

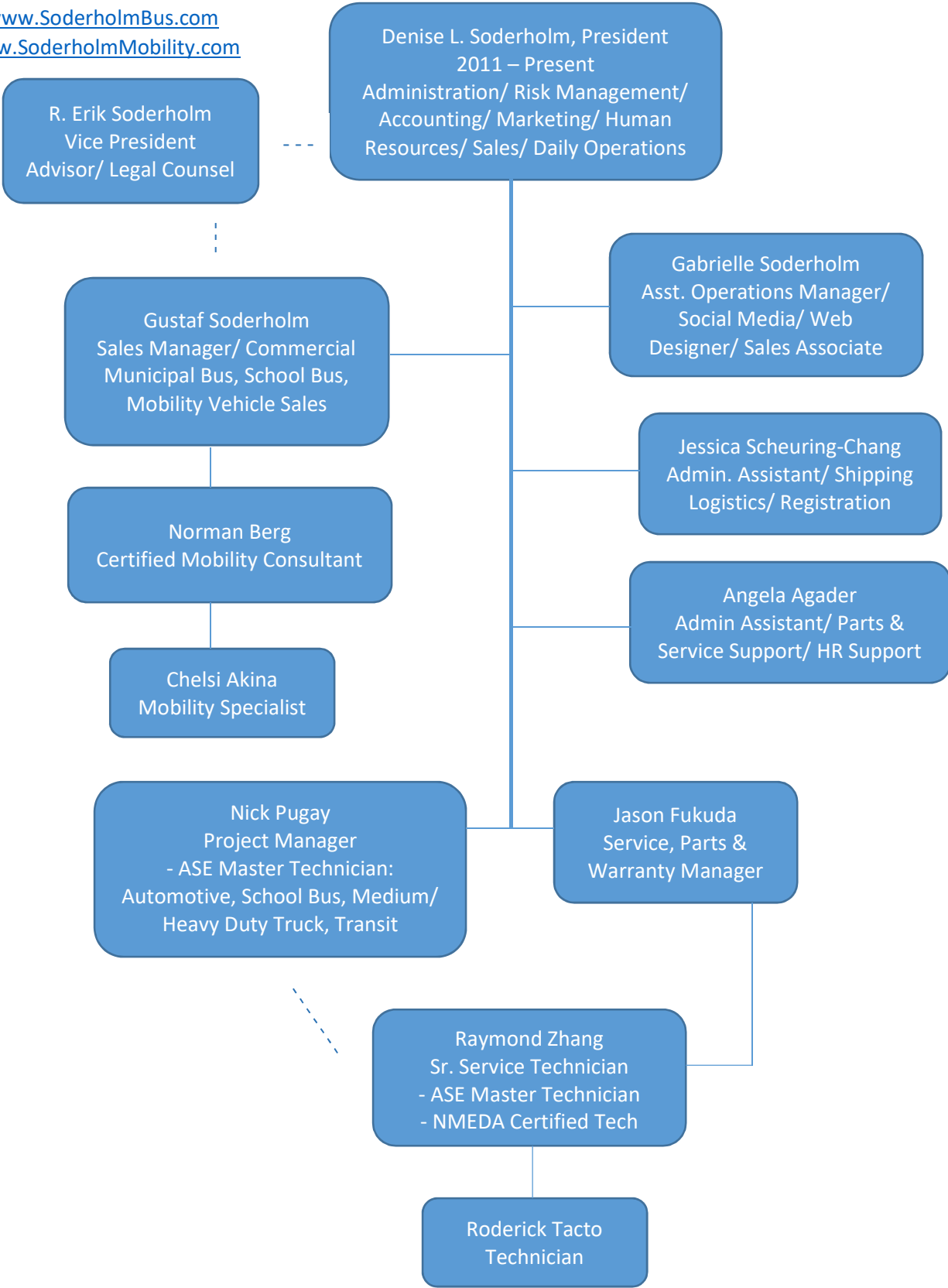
Soderholm Mobility, Inc.

2044 Dillingham Blvd. Honolulu, HI 96819

P.O. Box 19010 Honolulu, HI 96817
808-834-1417

www.SoderholmBus.com

www.SoderholmMobility.com



License Number
MVD-480

Expiration date
6/30/2024



STATE OF HAWAII DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS
MOTOR VEHICLE DEALER

SODERHOLM SALES AND LEASING INC
2044 DILLINGHAM BLVD
HONOLULU, HI 96819

State of Hawaii

DEPARTMENT OF COMMERCE & CONSUMER AFFAIRS

Denise L. Soderholm, Pres
SIGNATURE OF LICENSEE



Motor Vehicle Industry Licensing Board

This is to Certify that SODERHOLM SALES AND LEASING, INC.
has been duly licensed as a NEW VEHICLES
for the County of HONOLULU
in the State of Hawaii on JULY 31, 1992

*This license shall be in full force and effect only as long as it is supported by
a current license identification card.*

License Number 480

Ray A. Wilson
Chairperson
Motor Vehicle Industry Licensing Board

License Number
MVD-801

Expiration date
6/30/2024



STATE OF HAWAII DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS
MOTOR VEHICLE DEALER

SODERHOLM SALES AND LEASING INC
843-B LEILANI ST
HILO, HI 96720

Dorise L. Soderholm, Pres.
SIGNATURE OF LICENSEE

State of Hawaii

DEPARTMENT OF COMMERCE & CONSUMER AFFAIRS



Motor Vehicle Industry Licensing Board

This is to Certify that SODERHOLM SALES AND LEASING, INC.
has been duly licensed as a NEW VEHICLE
for the County of BIG ISLAND
in the State of Hawaii on SEPTEMBER 10, 1998

*This license shall be in full force and effect only as long as it is supported by
a current license identification card.*

License Number 601

Ernest K. Seibold
Chairperson
Motor Vehicle Industry Licensing Board

STATE OF HAWAII

DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS



License Number
MVD-610

Expiration date
6/30/2024

STATE OF HAWAII DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS
MOTOR VEHICLE DEALER



SODERHOLM SALES AND LEASING INC
3124 PELEKE ST
LIHUE, HI 96766

Denise A. Soderholm, Pres.
SIGNATURE OF LICENSEE

MOTOR VEHICLE INDUSTRY LICENSING BOARD

This is to Certify that **SODERHOLM SALES AND LEASING INC**

has been duly licensed as a/an **MOTOR VEHICLE DEALER**

in the State of Hawaii on **DECEMBER 2, 1998**

for the County of **KAUAI**

*This license shall be in full force and effect only as long as it is supported
by a current license identification card.*

Chairperson

AP. 610

THIS LICENSE MUST BE DISPLAYED AT PLACE OF BUSINESS AND IS NOT TRANSFERABLE OR ASSIGNABLE.

License Number
MVD-638

Expiration date
6/30/2024



STATE OF HAWAII DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS
MOTOR VEHICLE DEALER

SODERHOLM SALES AND LEASING INC
DBA SODERHOLM BUS SALES
1188 LOWER MAIN ST
WAILUKU, HI 96793

Deanne A. Soderholm, Pres.
SIGNATURE OF LICENSEE

State of Hawaii

DEPARTMENT OF COMMERCE & CONSUMER AFFAIRS



Motor Vehicle Industry Licensing Board

This is to Certify that SODERHOLM SALES AND LEASING, INC. DBA SODERHOLM BUS SALES
has been duly licensed as a NEW VEHICLES
for the County of NEIGHBOR ISLAND
in the State of Hawaii on MARCH 30, 2000.
This license shall be in full force and effect only as long as it is supported by
a current license identification card.

License Number 638

Ernest K. Siefert
Chairperson
Motor Vehicle Industry Licensing Board

STATE OF HAWAII

DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS



MOTOR VEHICLE REPAIR INDUSTRY BOARD

This is to Certify that **SODERHOLM SALES AND LEASING INC**

has been duly licensed as a/an **MOTOR VEHICLE REPAIR DEALER**

in the State of Hawaii on **JANUARY 26, 2011**

*This license shall be in full force and effect only as long as it is supported
by a current license identification card.*

SP. #138

Steven J. Chow

Chairperson

License Number
RD-4138

Expiration date
6/30/2023

STATE OF HAWAII DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS
MOTOR VEHICLE REPAIR DEALER

SODERHOLM SALES AND LEASING INC
2044 DILLINGHAM BLVD
HONOLULU, HI 96819

Denise A. Soderholm, Pres.
SIGNATURE OF LICENSEE



Denise L. Soderholm
Honolulu, Hawaii 96817
(808) 595-3948 hm.
(808) 834-1417 wk.
(808) 834-1070 Fax
E-mail: denise@soderholmbus.com

Education:

University of Hawaii, Honolulu, Hawaii, College of Business, MBA, August, 1996.

Arizona State University, Tempe, Arizona, College of Business, BS Degree, May, 1986.

Westwood High School, Mesa, Arizona, Graduated June, 1982.

Employment:

Jan 3, 2011 – Present: Soderholm Sales & Leasing, Inc.

Owner & President.

- Manage daily operations;
- Monitor cashflow to ensure adequate liquidity for corporate needs;
- Manage corporate risk and maintain adequate insurance coverage;
- Manage relationships with manufacturers, insurance providers, accountants and financial institutions;
- Maintain corporate bank accounts, including all receipts and disbursements;
- Manage Corporate Marketing and Advertising;
- Prepare monthly financial statements, oversee annual CPA financial statement preparation.

May 2002 – Jan 2, 2011: Soderholm Sales & Leasing, Inc.

Vice President & Controller.

- Prepare monthly financial statements;
- Monitor cashflow to ensure adequate liquidity for corporate needs;
- Manage corporate risk and maintain adequate insurance coverage;
- Manage relationships with insurance providers, accountants and financial institutions;
- Maintain corporate bank accounts, including all receipts and disbursements;
- Provide assistance with Corporate Marketing and Advertising

May, 1995 to May 2002: Soderholm Sales & Leasing, Inc.

Controller.

- Prepare monthly financial statements;
- Maintain corporate bank accounts, including all receipts and disbursements;

October, 1994 to May, 1995

Took extended maternity leave of absence from Bank of Hawaii, and then resigned position to care for critically ill infant.

Denise L. Soderholm, Page 2

May, 1992 to October, 1994: Bank of Hawaii

Business Banking Officer and Assistant Vice President

- Assumed management of existing middle market commercial loan portfolio with \$3 million in outstanding balances;
- Approve new and existing commercial loans within lending authority of \$125,000;
- Structure, analyze, negotiate, document and monitor commercial loan portfolio;
- Assist Branch Managers with commercial loan requests and overdrafts;
- Responsible for supervising, training and evaluating Banking Associate trainees;
- Converted three prospects to Bank of Hawaii customers during 1993 and responsible for three additional prospect conversions during first quarter 1994.

August, 1988 to May, 1992: First National Bank of Arizona
(A former subsidiary of Bank of Hawaii)

Credit Officer

- Managed \$8 - \$10 Million commercial problem loan portfolio;
- Negotiated, structured and documented commercial loan workout agreements;
- Monitored and assessed portfolio performance on a continued basis;
- Valued, liquidated and disposed of business and personal assets including real estate;
- Approved new and existing commercial loans within lending authority of \$75,000, and;
- Senior Loan Committee coordinator; monitored flow of commercial credit requests and implementation of committee decisions.

Senior Credit Analyst

- Prepared commercial loan presentation reports for loan officers and senior management with emphasis on loan structure, pricing and credit quality;
- Senior Loan Committee coordinator; monitored flow of commercial credit requests and implementation of committee decisions;
- Member of Asset/Liability Committee with monitored the Bank's interest rate risk and profitability;
- Managed Credit Department during extended absences of Manager;
- Assisted with implementation of departmental procedures and training, and;
- Supervised department general clerks and monitored work flow of position.

June, 1981 to August, 1988: Valley National Bank of Arizona (Presently Bank One)

Credit Analyst III, II, I (Oct., 1986 to Aug., 1988)

- Prepared loan presentations and analytical reports for loan officers and senior management;
- Spreadsheet analysis, specializing in Auto Dealerships;
- Commercial and agriculture Accounts Receivable inspections and audits, both in Arizona and out of state;
- Advanced Credit Workshop spreadsheet analysis instructor, and;
- Attended VNB's Advanced Credit Workshop and earned a rating of exceed.

Personal Banker Specialist, Professional Teller, Teller III, II, I, General Clerk (Various branches from June, 1981 to Oct., 1986)

- Assisted customers with new accounts, consumer loans and investment services;
- Supervised teller line, paying and receiving functions and branch opening and closing, and;
- Operated late drive-in alone during peak hours.

Denise L. Soderholm, page 3.

Affiliations:

- The Outdoor Circle, Advisor, Past President, Past Treasurer
- Punahou School, PFA
- Garden Club of Honolulu, member
- Girl Scout Council of Hawaii; Former Brownie Troop Leader
- Aloha Council, Boy Scouts of America; Former Cub Scout Den Leader
- Beta Gamma Sigma, collegiate business school honor society;
- Mu Kappa Tau, collegiate marketing honor society;
- Alpha Phi International Fraternity;

References:

Available upon request

BANCORP LEASING OF HAWAII, INC. - 1983 to 1991.
A wholly-owned subsidiary of Bank of Hawaii. A \$250 million equipment leasing company.

Vice-President/Marketing Director - 1985 to 1990

- Planned & Implemented Marketing Strategy To Meet Profit & Volume Goals.
- Recruited, Trained & Managed Marketing Officers in Hawaii, Guam and Arizona.
- Responsibilities: Credit Evaluation, Equipment Residual Analysis, Structuring, Pricing, Product Development, Contract Negotiation & Documentation.
- Marketed Large Ticket Leasing Across U.S.
- Negotiated & Closed Large Leverage Lease Transactions Including: 737, 757 & MD-82 Aircraft, Cruise Ships & Project Facilities.
- Developed Successful Leasing Programs In Micronesia & Arizona.

AVP & Senior Lease Officer from Lease Marketing Representative - 1983 to 1985

- Responsibilities: Marketing & Credit Analysis Of Lease Financing In Hawaii.
- Financed Seventy MCI Motor Coaches Totaling \$20 Million

Advanced Management Trainee, Bank of Hawaii, - 1982 to 1983

- Completed Bank's Commercial Credit Program.

Firefighter, Honolulu Fire Department - 1975-1978

MEMBERSHIPS:

Hawaii Automobile Dealers Association
Hawaii Transportation Association
Hawaii Hotel Association
Activities & Attraction Assn. Of Hawaii
Hawaii Bar Association
Rotary Club of Honolulu
The Pacific Club
Outrigger Canoe Club
Association of Lanikai Longboarders
Former Cub Scout Den Leader, Aloha Council, Boy Scouts of America
Punahou School Alumni Assoc.
Punahou PFA

ACTIVITIES:

Surfing, sailing, kayaking, swimming & snowboarding.

REFERENCES:

Will be supplied upon request.

Gustaf "Gus" Erik Soderholm

Honolulu, HI 96817 | gus@soderholmbus.com | 808-306-6255

Experience:

June 2018- Present

Soderholm Sales & Leasing, Inc. – Honolulu, HI
Assistant Sales Manager

- Establish and pursue leads for the purpose of business development
- Monitor competitors activities and assist in marketing intelligence
- Manage the sale, ordering, and delivery process for large scale governmental and private bids
- Coordinate with the sales team on deliveries and supplemental documentation

August 2016- March 2017

Vantage Mobility International- Phoenix, AZ Sales
Intern

- Participated in VMI's online Sales Training program
- In charge of building a database of Key Sales Influencers for the VMI sales store
- Helped sales team and others around the office with the day to day operations of the sales store

June 2016- July 2016

Nationwide Controlled Parking Systems- Dublin, Ireland Operations
Intern

- Took part in a two month work study abroad through Arizona State University
- In charge of basic office duties such as filing, making copies and data entry

May 2010- January 2017

Soderholm Sales & Leasing, Inc. - Honolulu, HI Lot
Assistant

- Installed turf yard and assisted with vehicle transportation
- Part-time technician while performing regular office tasks including answering phones and copying/scanning documents

Education:

Arizona State University | Tempe, AZ | Graduated May 2017
Interdisciplinary Studies: Urban Planning & Landscape Studies

Punahou School | Honolulu, HI | Graduated May 2013
High School Diploma

Interests:

- Basketball
- Volleyball
- Hiking
- Surfing & Bodysurfing
- Camping

Affiliations:

- Boy Scouts- First Class
- Outrigger Canoe Club
- Pacific Club
- Phi Gamma Delta Fraternity

Gabrielle Soderholm

Honolulu, HI 96817

Phone: 1(808) 306-3443 • E-Mail: Gabi@SoderholmBus.com



Experience

Soderholm Sales and Leasing, Inc.

Assistant Operations Manager

Part-Time 2012-2020, Full-Time 2020-Current

- Coordinated, created, and scheduled content, designs, and updates to new company website
- Actively involved in retail and governmental sales for wheelchair accessible vans and buses throughout the Hawaiian islands and into the pacific
- Ensure production of vehicles is correct and timely
- Create and undertake business development projects and operations

Contact: (808) 834-1417 Denise Soderholm

Schetky Northwest Sales, Inc.

Assistant Sales Coordinator

October 2018-October 2020

- Shifted into a more prominent role in the office atmosphere and advanced to one of two people in charge of delivery logistics nationwide
- Balanced final costing of vehicles at the end of each month, averaging 45 buses per month
- Operated autonomously for day-to-day duties and responsibilities

Contact: (503) 334-9489 David Schetky

Education

Punahou School (High School)

Graduated May 2014

University of Colorado at Boulder

Graduated May 2018

Obtained an upward trend of grades in a rigorous business school setting centered around effective communication and efficient team building skills. Graduated with a Bachelors in Management with an emphasis in Strategy and Entrepreneurship.

Qualifications

- Motivated and goal-oriented team player with direct knowledge of customer service, schedule management, office operations, sales, event planning, and marketing principles.
- A self-starter with strong leadership skills and good with handling autonomy and delegated tasks, along with being knowledgeable of clerical and administrative work.
- Thrives in high-pressure environments that are detail oriented and results driven.

Jessica Scheuring-Chang

Honolulu, HI 96818 | 808-741-0755 | jessica@soderholmbus.com

Professional Skills

- Trained in use of ADP/CDK point-of-sale computer systems and CRM sales software
- Knowledge of Word, Excel, and other Microsoft Office Programs
- 60 word-per-minute typist. 10-key by touch calculator

Work Experience

SODERHOLM BUS & MOBILITY | ADMINISTRATIVE ASSISTANT | JAN. 2016-CURRENT

Soderholm Bus & Mobility is a fully licensed automobile dealer specializing in Buses, Mobility Vans and Adaptive Equipment.

- Handling and processing vehicle registrations
- Coordinating of vehicle shipping for approximately 175 vehicles a year
- Coordinate travel for the company, over 100 flights a year
- Handling incoming customer service calls
- Notary Republic in the State of Hawaii, County of Honolulu
- Sales Assistant for Retail, Commercial & Government Transactions

HONDA WINDWARD | ACCOUNTING AND ADMINISTRATIVE ASSISTANT | 2011-2015

Honda Windward is a fully licensed automobile dealer specializing in Honda products.

- Processed over 200 new/used car deals monthly
- Managed payroll accounting and paychecks for a sales force of 23 employees
- Regular and frequent interaction with vendors and suppliers
- Extensive customer handling skills

ICE PALACE HAWAII | FRONT OFFICE CLERK | 2005-2011

Ice Palace Hawaii has been in business for over 35 years as the only Ice-Skating Area in the state.

- Trained new employees on cashier methods and use of digital point-of-sale interface.
- Managed customer service for recreational skating, figure skating, youth hockey, adult hockey, birthday parties & private events.
- Honed valuable skillset in enhancing customer service experience over the telephone.

Education

- **University of Hawaii- Leeward Community College:** Associate of Science in Accounting; Honolulu, HI - 2020
- **Radford High School:** High School Diploma; Honolulu, HI - 2007

References: Available upon request

▶ Angela M. Agader

Kapolei, HI 96707
Phone: 808-754-5270
E-mail: aagader@hotmail.com

Objectives

To obtain a position that will enable me to utilize my strong organizational skills and experienced background as an Administrative Assistant. I am a Self-motivated, hard-working individual, whom maintains excellent written and oral communication skills, problem resolution abilities. Willing to pick up new tasks & opportunities, quick learner. Easily able to work with managers, engineers, supervisors, craftsmen, vendors, and contractors on a daily basis.

Education

Associates Degree of Applied Science, Paralegal (May 2006)

Experience

TWIC Card Holder

Soderholm Sales & Leasing, Inc. (July 2019-Present)

Administrative Assistant - HR Tasks, File Management, Preps new unit arrival packets, Maintain and order supplies, Assist in Damage & Warranty Claims, Multi-phone system, Marketing Assistant, Bank Deposits, Assist Sales Dept. with mass-mailings.

Service Dept. Admin – Dispatch Schedule, Customer contact, Customer correspondences.

Reliability Admin Assistant, IES (Cenergy) (January 30, 2017 –October 31, 2017)

Island Energy Services (91-480 Malakole St. Kapolei, HI 96707) November 1, 2017- April 2019

Administrative Assistant for Maintenance & Reliability Department

Coordinate Routine Maintenance & Reliability organizations, Payroll for Maintenance Mechanics (35-40 employees) & Contracting Companies, Payroll reports, Calendaring and Schedule keeping, CHESM (*Contractor Health Environmental & Safety Management*) Meeting Assistant & ISNet World, Contractor Safety Meeting Assistant, Record keeping, Filing, preparing Reliability reports, serve as primary point of contact for and between management, vendor's, contractor's and other Maintenance & Reliability personnel. Meeting schedules-create and distribute. Maintain and order

supplies, Event arrangements. Knowledge of Maximo & Meridium programs. Environmental Wildlife monitoring for the entire site including the Effluent area. Maintained company vehicle fleet.

Case Manager II

Department of Job & Family Services - February 2010 to August 2016 (Akron, Ohio)

Experienced in office setting with high volume public contact. Management capabilities. Completed multiple assignments, projects, and tasks.

Skills/Experience

- ▶ Responsible for managing Company Credit Card, Expense Reports (Concur Solutions)
Purchasing equipment, parts, supplies
- ▶ Switch-Hitter (can perform 2 or more separate job functions), Data Entry, Customer Service, Processing, Heavy typing, Communication, File Management, Very Organized, Microsoft Office (all), Computer function, Multi-phone line experience, Problem solving
- ▶ Calendaring Management, coordinating travel, meetings, itineraries, and special projects
- ▶ Timekeeping for all Maintenance Mechanics
Maintain Labor, OT, exception time for all Mechanics in ADP (Payroll system)
Collect and record OT time
- ▶ Approve & verify Attendance for Field Contractors
Verify attendance logs and Gate logs for Contractor's Timesheets
- ▶ **Payroll reports – MAXIMO & WIN-PAK Systems**
- ▶ **MAXIMO – Stock Inventory, Update and assign Asset/Location**
- ▶ Maintain Mechanics Vacation Calendar and schedule as necessary
- ▶ Make copies of any vacation/medical documents – Send original to HR, copies go into Mechanics vacation binder (keep for year)
- ▶ Record OT several different places for Mechanics
- ▶ Vacation calendar – (year) OT
Add any vacation or off dates
- ▶ Calendaring and Schedule keeping
- ▶ Maintenance meetings
- ▶ Departments Lunch & Learn
- ▶ Maintain Fleet Vehicle Files/Service
Go to DMV
Pay for Registration fees (on-line or at office)
Maintain original files for each vehicle
Update vehicle listing to keep current
Schedule Safety Inspections/Service –
Transport vehicle to shop for service/safety inspections
Fleet Vehicle Scheduler (Excel)
- ▶ ****Note taking at any meetings****
- ▶ **Keeper of Records**
- ▶ **Filing**

JASON FUKUDA

Waipahu, Hi 96797 · (808) 620-0165

j.fukuda671@gmail.com ·

06/7/2021 - Present

WARRANTY / PART MANAGER, SODERHOLM SALES AND LEASING HONOLULU/ HI

- Manages Warranties & Parts for over 17 different vehicle manufacturers and 25 component manufacturers
- Handles parts accounts set up all over Hawaii & the Pacific
- Track and manage \$300,000 inventory of parts and prepare purchase orders
- Update database of available parts and adjust stock accordingly
- Assist with diagnosing and resolving technical vehicle problems

09/2018 –06/2021

MAINTENANCE MANAGER, E NOA CORPORATION HONOLULU / HI

- Performed management functions of staff selection, development, discipline, performance reviews and/or terminations
- Tracked and scheduled yearly DOT safety inspection and registration required for fleet operation
- Hired, trained, developed, motivated, and evaluated the performance of staff. Provided ongoing feedback regarding performance and expectations
- Managed the daily work and safety of team members engaged in fleet maintenance and repair
- Recommended replacements, improvements, and specifications for the Vehicle Fleet planning and budget purposes direct to the CFO and CEO
- Planned, scheduled, and directed vehicle maintenance and preventative maintenance; monitored preventative maintenance checks and services to ensure proper quality of service; assured accuracy of parts and parts inventory; developed and oversaw maintenance budget
- Oversaw subcontracted maintenance, repair, and service vendor for fleet maintenance and repair

1995 – 2018

MEMBER, FUKUDA ENTERPRISES LLC TAMUNING / GU

- Manage and supervise the staff of fleet operations including, but not limited to, all maintenance staff
- Provide expertise and oversight to detailed work and dispatch schedules in the accomplishment of vehicle maintenance and operational needs
- Manage business operations and performance reviews of launched transportation providers and operators
- Manage relationships with parts providers to minimize the cost to the Company while maintaining quality and quick turnaround time for down vehicles
- Responsible for the processes supporting all Transportation contracts & rate negotiations, Risk Management, and Business planning

EDUCATION

AUG / 1985

GENERAL MECHANICS, NEW YORK TECHNICAL INSTITUTE HONOLULU, HI

SKILLS

- Strong attention to detail
- Able should be able to attend to the financial aspects of establishing purchasing, maintenance, and replacement of vehicles
- Good knowledge of technology which he can use to add value to the Fleet
- Knowledgeable of Fleet Management systems
- Ability to communicate and work with customers and drivers in a courteous, friendly, and professional manner
- Excellent organizational and managerial skills that enable to attend simultaneously to multiple tasks and to identify and solve problems
- Excellent interpersonal skills, complemented by an ability to negotiate effectively
- Ability to maintain stability under pressure and be flexible and willing to modify plans and behavior when necessary
- Powerful knowledge in all areas concerned with the distribution/fleet business

NICK PUGAY

Ewa Beach, HI 96706 | (H) 808-681-8883 | (C) 808-681-8883 | nick@soderholmbus.com

professional summary

Mechanic specializing in Automotive, Med size & Transit bus. Proficiently completes repairs and parts replacements under tight time constraints. Highly customer service-oriented.

Service Manager equipped with the technical expertise and mechanical knowledge necessary to repair everything from luxury cars to tow trucks, to 40' Transit buses & Double Decker buses.

Auto Mechanic who implements superior diagnostic skills. Discovers the root of the problem quickly and works to find solutions.

Diligent Auto Mechanic committed to staying current with advances in repair technology. Offers customers the best techniques and quality auto parts. Diligent Auto Mechanic committed to staying current with advances in repair technology. Offers customers the best techniques and quality auto parts.

Automotive Technician focused on completing preventative maintenance and repairs in a timely fashion and giving proper attention to every vehicle and customer.

skills

- Diagnostics expertise in Ford IDS, GM Tech II Win / GDS, Toyota scan tool
- Air conditioning systems on American Cooling Technology, TransAir, ProAir, Carrier and OEM systems.
- ASE certification Automotive, Medium/Heavy Truck, School Bus & Transit Bus
- Heavy equipment operation Scan tool for Cummins engine (Insite)

work history

Service Manager

Jan 2010 - Current

Honolulu, HI

Soderholm Bus and Mobility

- Works directly with Sales & Parts Dept.
- Operates equipment such as infrared engine analyzers, compression gauges and computerized diagnostic devices.
- Adjusts repaired systems to meet manufacturers' performance specifications.
- Conducts routine and scheduled maintenance services such as oil changes, lubrications and tune-ups.
- Communicates effectively with customers on future problems and repairs that might need to be addressed.
- Safely uses all hand and power tools, including the T-stripper, T-cutter, torque and wrench.
- Completes routine maintenance to prevent future breakdowns.
- Upholds top-quality workmanship & excellent customer service.
- Diagnoses computer and electrical failure with appropriate testing equipment.

President

Apr 1994 - Dec 2008

Action Mobile Service, Inc.

Ewa Beach, 96706, HI

- Repaired, replaced and adjusted brakes and brake pads.
- Tested vehicles and their components and systems.
- Operated equipment such as infrared engine analyzers, compression gauges and computerized diagnostic devices.
- Adjusted repaired systems to meet manufacturers' performance specifications.
- Communicated effectively with customers on future problems and repairs that might need to be addressed.
- Reviewed work orders and discussed them.
- Safely used all hand and power tools, including the T-stripper, T-cutter, torque and wrench.
- Completed routine maintenance to prevent future breakdowns.
- Upheld top-quality workmanship and excellent customer service.
- Diagnosed computer and electrical failure with appropriate testing equipment.

- Cleaned and removed grease on engines and engine compartments using specific chemicals.
- Managed and maintained the necessary level of supplies in the shop.
- Verified vehicle serviceability by conducting test drives and adjusting controls and systems.
- Maintained vehicle records by recording and filing all service and repairs.
- Disassembled engines and repaired or replaced defective parts.
- Managed the front counter, including answering the phone and opening and closing the shop.

Lead Technician

Jul 1979 - Sep 1993

Consumer Tire Warehouse

Honolulu, HI

- Trained and assisted staff in analyzing engine malfunctions.
- Repaired, replaced and adjusted brakes and brake pads.
- Tested vehicles and their components and systems.
- Operated equipment such as infrared engine analyzers, compression gauges and computerized diagnostic devices.
- Adjusted repaired systems to meet manufacturers' performance specifications.
- Conducted routine and scheduled maintenance services such as oil changes, lubrications and tune-ups.
- Communicated effectively with customers on future problems and repairs that might need to be addressed.
- Reviewed work orders and discussed them with supervisors.
- Safely used all hand and power tools, including the T-stripper, T-cutter, torque and wrench.
- Completed routine maintenance to prevent future breakdowns.
- Inflated tires on a test machine and adjusted controls to simulate road conditions.
- Interfaced with management and colleagues in a professional manner.
- Upheld top-quality workmanship and excellent customer service.
- Diagnosed computer and electrical failure with appropriate testing equipment.
- Managed and maintained the necessary level of supplies in the shop.
- Verified vehicle serviceability by conducting test drives and adjusting controls and systems.
- Maintained vehicle records by recording and filing all service and repairs.

education

High School Diploma:

Farrington High School

1972

Honolulu, HI

3 Yrs of College: Automotive Technology

Honolulu Community College

1977

Honolulu, HI

- Electronic Diagnostics course
- Engine Performance coursework
- Trained in Suspension and Steering
- Coursework in Electrical and Electronic Systems

accomplishments

- Trained and supervised employees in a fast-paced auto repair shop environment.
- Repaired Auto and med size bus vehicles with 100% customer satisfaction.
- Worked closely with management to create and implement improved processes for oil changes.

certifications

*ASE Certified in Automotive, Medium /Heavy, School Bus & Transit Bus

*Certified in Spartan Chassis

*Certified in Braunability

*Certified in Ricon Lifts and Ramps

*Certified in MV1Technical Training Course

*Certified in Intermotive Gateway Vehicle Controls

*Certified in American Cooling Technology

*Certified in Ford Engine Performance, Electrical, anti-lock Brakes & AT Electronics Diagnostic

General License

License ID

MC-5649

Legal License Name

NICANOR L PUGAY

Status

CURRENT, VALID & IN GOOD STANDING

Entity Type

INDIVIDUAL

Active/Inactive

ACTIVE

Original License Date

05/07/1984

Expiration Date

06/30/2023

Restriction

--

Trade/Professional Name

--

Special Privilege

--

Conditions & Limitations

--

Class Prefix

--

Business Code

--



Educational Code

--

Business Address

--

Other Business/Person/DBA Names

 Records Per Page  Columns to Show Search:

Name	Effective Date	Termination Date
NICK L PUGAY	03/24/1986	03/16/2010

Showing 1 to 1 of 1 entries

Previous 1 Next

 Employees List

Employees

Employee Name	Position	Position Status	License ID	License Status	Effective Date
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Employers List

Employers

Employer Name	Position	License ID	License Status	Effective Date
SODERHOLM SALES AND LEASING INC	CERTIFIED MECHANIC	RD-4138 (/PUBLIC-LICENSE-DETAILS?LICENSEID=RD-4138-0)	CURRENT, VALID & IN GOOD STANDING	01/26/2011

Insurance/Bond

Insurance/Bond

Insurance Type	Effective	Term Date	Cancel Date	Policy #	Surety	Amount
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License Class

License Classes

Class Code	Class Type	Effective	Restricted	Status
A1 ENGINE REPAIR	ENGINE REPAIR	06/28/1991	NO	CURRENT, VALID & IN GOOD STANDING
A2 AUTOMATIC TRANSMISSION/TRANSAXLE	AUTOMATIC TRANSMISSION/TRANSAXLE	02/17/1998	NO	CURRENT, VALID & IN GOOD STANDING
A3 MANUAL DRIVE TRAIN AND AXLES	MANUAL DRIVE TRAIN AND AXLES	02/17/1998	NO	CURRENT, VALID & IN GOOD STANDING
A4 SUSPENSION AND STEERING	SUSPENSION AND STEERING	01/22/1996	NO	CURRENT, VALID & IN GOOD STANDING
T5 SUSPENSION AND STEERING	SUSPENSION AND STEERING	02/17/1998	NO	CURRENT, VALID & IN GOOD STANDING
A6 ELECTRICAL/ELECTRONIC SYSTEMS	ELECTRICAL/ELECTRONIC SYSTEMS	06/28/1991	NO	CURRENT, VALID & IN GOOD STANDING
A7 HEATING AND AIR CONDITIONING	HEATING AND AIR CONDITIONING	01/22/1996	NO	CURRENT, VALID & IN GOOD STANDING
A8 ENGINE PERFORMANCE	ENGINE PERFORMANCE	06/28/1991	NO	CURRENT, VALID & IN GOOD STANDING
T4 BRAKES	BRAKES	02/17/1998	NO	CURRENT, VALID & IN GOOD STANDING
A5 BRAKES	BRAKES	01/22/1996	NO	CURRENT, VALID & IN GOOD STANDING

LICENSE INFORMATION ON THIS SITE REFLECTS INFORMATION IN THE PROFESSIONAL AND VOCATIONAL LICENSING DIVISION



ASE Certification Status

Pugay, Nicanor L.

Created: July 14, 2022

Ewa Beach, HI 96706

8:55:01 PM

ASE ID: ASE-1114-9278

This individual currently has the ASE certification status shown below:



Current ASE Designations

Certificates
Master Automobile Technician
Master Transit Bus Technician
Master School Bus Technician
Master Medium/Heavy Truck Technician

ASE Certification Details

Test	Description	Expiration	Status
A1R	Engine Repair Recert	06/30/2023	Current
A2R	Automatic Transmission/Transaxle Recert	12/31/2027	Current
A3R	Manual Drive Train & Axles Recert	06/30/2023	Current
A4R	Suspension & Steering Recert	06/30/2023	Current
A5R	Brakes Recert	06/30/2023	Current
A6R	Electrical/Electronic Systems Recert	06/30/2023	Current
A7R	Heating & Air Conditioning Recert	06/30/2023	Current
A8R	Engine Performance Recert	12/31/2027	Current
H2	Diesel Engines	06/30/2026	Current
H3	Drive Train	06/30/2026	Current

Test	Description	Expiration	Status
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H4	Brakes	06/30/2026	Current
H5	Suspension & Steering	06/30/2026	Current
H6	Electrical/Electronic Systems	06/30/2026	Current
H7	Heating Ventilation & A/C	06/30/2026	Current
H8	Preventive Maintenance & Inspection	06/30/2026	Current
S1R	Body Systems & Special Equipment Recert	06/30/2023	Current
S2R	Diesel Engines Recert	12/31/2023	Current
S3R	Drive Train Recert	06/30/2023	Current
S4R	Brakes Recert	06/30/2023	Current
S5R	Suspension & Steering Recert	06/30/2023	Current
S6R	Electrical/Electronic Systems Recert	06/30/2023	Current
S7R	Air Conditioning Systems & Controls Recert	12/31/2023	Current
T2R	Diesel Engines Recert	06/30/2023	Current
T3R	Drive Train Recert	06/30/2023	Current
T4R	Brakes Recert	06/30/2023	Current
T5R	Suspension & Steering Recert	06/30/2023	Current
T6R	Electrical/Electronic Systems Recert	06/30/2023	Current
T7R	Heating Ventilation & Air Conditioning Recert	06/30/2023	Current
T8	Preventive Maintenance & Inspection (PMI)	06/30/2023	Current

To become ASE certified, you must pass an ASE test and have the required amount of relevant hands-on work experience. Refer to the ASE Work Experience Requirements Important Information section for details or submit the ASE Work Experience Form at <https://workexp.ase.com>.

An expired certification can be reinstated by taking and passing the corresponding recertification test. Please contact us if you have any questions.

Sincerely,

ASE Customer Service

800-390-6789

703-669-6609

contactus@ase.com



Nick Pugay

Soderholm Sales and Leasing

Has achieved the M.S.E. Certification level
BraunAbility Service Onboarding by
successfully completing the required
Curriculum for BraunAbility Vehicles, Lifts, and
Seating



Certification Date
August 29, 2021

BraunAbility dealer technicians are committed to continual learning during their certification pathway to BraunAbility Service Master level and beyond.

Raymond Zhang

Honolulu, HI 96817
808-220-6165
raymond@soderholmbus.com

Professional Summary

- Technician equipped with the technical expertise and mechanical knowledge necessary to repair everything from Commercial Buses to Mobility Vehicles and lifts.
- Diligent Auto Mechanic committed to staying current with advances in repair technology. Offers customers quality service with up to date solutions to their problems.
- Adaptive Equipment technician extensively trained in hand controls and scooter lifts. Reliable and punctual with a strong background in the adaptive equipment industry.
- Bilingual in Mandarin, Cantonese & Taiwanese, team-oriented technician possessing excellent communication skills. Works well independently, maintaining a high level of productivity.
- Automotive Technician focused on completing preventative maintenance and repairs in a timely fashion and giving proper attention to every vehicle and customer.

Skills

- ASE Master Tech in Automotive. Partial in Mid/ Heavy Truck
- Diagnostics knowledge in Ford IDS, GM Tech II WIN, Toyota Scan Tool and MV-1
- Air conditioning systems, Diagnosis & Repairs

Certifications

- Auto Repair Technician
- AC Delco Powertrain Control Systems
- Ford Engine Performance, Electrical, anti-lock Brakes, AT Electronics Diagnostic
- Network Control Modules: Operations, Diagnosis & Service
- Electronic Steering & Suspension
- Q'Straint & Sure-Lok Restraint Systems
- Mobility Equipment Installations
- Vantage Mobility International
- Adapt Solutions Mobility Equipment
- Veigel Hand Controls and Brake Equipment
- Collie Built Adaptive Equipment
- Sure Grip Hand Controls
- MPS- Manufacturing and Production Services Hand Controls
- MPD- Mobility Production and Design Hand Controls
- NMEDA- Electrical Training & Manufacturer Service School

Work History

Service Technician
Soderholm Sales & Leasing, Inc.

Mar. 2015- Current
Honolulu, HI

Lead Tech
Tommy's Auto Service

Apr. 1994- Mar. 2015
Honolulu, HI

General License

License ID

MC-8698

Legal License Name

RAYMOND ZHANG

Status

CURRENT, VALID & IN GOOD STANDING

Entity Type

INDIVIDUAL

Active/Inactive

ACTIVE

Original License Date

07/01/2015

Expiration Date

06/30/2023

Restriction

--

Trade/Professional Name

--

Special Privilege

--

Conditions & Limitations

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Class Prefix

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Business Code

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Educational Code


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Business Address

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Other Business/Person/DBA Names

 Records Per Page

 Columns to Show

Search:

Filter...

Name

Effective Date

Termination Date

NO DATA AVAILABLE IN TABLE

Showing 0 to 0 of 0 entries

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Next

 Employees List

Employees

Employee Name	Position	Position Status	License ID	License Status	Effective Date
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☰ Employers List

Employers

Employer Name	Position	License ID	License Status	Effective Date
SODERHOLM SALES AND LEASING INC	CERTIFIED MECHANIC	RD-4138 (/PUBLIC-LICENSE-DETAILS?LICENSEID=RD-4138-0)	CURRENT, VALID & IN GOOD STANDING	06/04/2019

☔ Insurance/Bond

Insurance/Bond

Insurance Type	Effective	Term Date	Cancel Date	Policy #	Surety	Amount
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★ License Class

License Classes

Class Code	Class Type	Effective	Restricted	Status
A1 ENGINE REPAIR	ENGINE REPAIR	07/01/2015	NO	CURRENT, VALID & IN GOOD STANDING
A4 SUSPENSION AND STEERING	SUSPENSION AND STEERING	07/01/2015	NO	CURRENT, VALID & IN GOOD STANDING
A8 ENGINE PERFORMANCE	ENGINE PERFORMANCE	07/01/2015	NO	CURRENT, VALID & IN GOOD STANDING
A6 ELECTRICAL/ELECTRONIC SYSTEMS	ELECTRICAL/ELECTRONIC SYSTEMS	07/01/2015	NO	CURRENT, VALID & IN GOOD STANDING
A7 HEATING AND AIR CONDITIONING	HEATING AND AIR CONDITIONING	07/01/2015	NO	CURRENT, VALID & IN GOOD STANDING
A5 BRAKES	BRAKES	07/01/2015	NO	CURRENT, VALID & IN GOOD STANDING

LICENSE INFORMATION ON THIS SITE REFLECTS INFORMATION IN THE PROFESSIONAL AND VOCATIONAL LICENSING DIVISION AS OF NOVEMBER 16, 2021; HOWEVER, APPLICATIONS AND FORMS ARE SUBJECT TO STANDARD PROCESSING TIME, AND THE INFORMATION HERE DOES NOT REFLECT PENDING CHANGES WHICH ARE BEING REVIEWED. THE SITE IS UPDATED DAILY, MONDAY THROUGH FRIDAY, EXCEPT HOLIDAYS.

THE STATE OF HAWAII MAKES NO GUARANTEES AS TO THE ACCURACY OF THE INFORMATION ACCESSED, THE TIMELINESS OF THE DELIVERY OF TRANSACTIONS, DELIVERY TO THE CORRECT PARTY, PRESERVATION OF THE PRIVACY AND SECURITY OF USERS AND MAKES NO WARRANTIES, INCLUDING WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE DCCA/PVL WEB SITE RECEIVES THE DCCA/PVL LICENSEE INFORMATION DIRECTLY FROM THE DCCA/PVL LICENSEE DATABASE. THE DCCA/PVL WEB SITE IS CONSIDERED A PRIMARY SOURCE FOR DCCA/PVL LICENSEE INFORMATION – IT IS THE SAME LICENSEE INFORMATION THE DCCA/PVL PROVIDES THROUGH OTHER MEANS AND IS TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE. USER IS ADVISED THAT IF THE INFORMATION OBTAINED HEREIN IS TO BE REASONABLY



ASE Certification Status

Zhang, Raymond

Created: November 17, 2022

Honolulu, HI 96817

8:54:06 PM

ASE ID: ASE-1110-2601

This individual currently has the ASE certification status shown below:



Current ASE Designations

Certificates

Master Automobile Technician
Transit Bus Technician
Master Medium/Heavy Truck Technician

ASE Certification Details

Test	Description	Expiration	Status
A1R	Engine Repair Recert	06/30/2024	Current
A2	Automatic Transmission/Transaxle	06/30/2024	Current
A3	Manual Drive Train & Axles	06/30/2024	Current
A4R	Suspension & Steering Recert	12/31/2023	Current
A5R	Brakes Recert	12/31/2023	Current
A6R	Electrical/Electronic Systems Recert	12/31/2023	Current
A7R	Heating & Air Conditioning Recert	12/31/2023	Current
A8R	Engine Performance Recert	06/30/2024	Current
H6	Electrical/Electronic Systems	12/31/2027	Current
H8	Preventive Maintenance & Inspection	12/31/2027	Current

Test	Description	Expiration	Status
T2	Diesel Engines	06/30/2027	Current

T3	Drive Train	06/30/2027	Current
T4	Brakes	06/30/2027	Current
T5	Suspension & Steering	06/30/2027	Current
T6	Electrical/Electronic Systems	12/31/2023	Current
T7	Heating Ventilation & Air Conditioning	12/31/2023	Current
T8	Preventive Maintenance & Inspection (PMI)	06/30/2027	Current

To become ASE certified, you must pass an ASE test and have the required amount of relevant hands-on work experience. Refer to the ASE Work Experience Requirements Important Information section for details or submit the ASE Work Experience Form at <https://workexp.ase.com>.

An expired certification can be reinstated by taking and passing the corresponding recertification test. Please contact us if you have any questions.

Sincerely,

ASE Customer Service

800-390-6789

703-669-6609

contactus@ase.com



Raymond Zhang

Soderholm Sales and Leasing

Has achieved the M.S.E. Certification level
BraunAbility Service Onboarding by
successfully completing the required
Curriculum for BraunAbility Vehicles, Lifts, and
Seating



Certification Date
September 6, 2021

SKILL OVERVIEW

More than 15 years' experience in the U.S. Army as a maintenance manager and supervisor. Trained and supervised 31 mechanics. Extensive knowledge and experience diagnosing and repairing various types of military weapons, vehicles, and watercraft vessels. Ability to multitask, organize, and communicate promptly, efficiently, and professionally.

EDUCATION

Diesel Mechanic (2019) - Honolulu Community College
Advanced Leaders Course (2013)- Ft. Lee, Virginia
Warriors Leadership Course (2007)- Ft. Carson, Colorado
Kailua High School (2002) - Kailua, HI
ASE Certification in Automotive Brakes (2022) – Honolulu, HI

WORK EXPERIENCE

Soderholm Sales and Leasing, Inc. ■ 08/21 to Present ■ Honolulu, HI

Service Technician: Vehicle Service technician for routine maintenance, specializing in buses and wheelchair accessible vans.

UPS ■ 07/20 to 09/21 ■ Honolulu, HI

Package Handler: Troubleshoots and runs diagnostics for inspections and repairs on diesel engine vehicles. Complete work calls and emergency services as necessary. Provides full service from engines to tires while being in accordance with established safety procedures.

U.S. Army Reserves ■ 12/16 to Present ■ Joint Base Pearl Harbor Hickam, HI

Diesel Mechanic (91B/88L): Responsible for performing maintenance on Army light wheeled vehicles and auxiliary equipment on marine vessels.

E Noa Corporation ■ 02/19 to 03/20 ■ Honolulu, HI

Diesel Mechanic: Troubleshoots and runs diagnostics for inspections and repairs on diesel engine vehicles. Complete work calls and emergency services as necessary. Provides full service from engines to tires while being in accordance with established safety procedures.

Active Duty, U.S. Army ■ 04/07 to 12/16 Ft Carson, CO; 12/03 to 04/07 Ft Hood, TX

Maintenance Leader/Senior Personnel Supervisor (91F) Supervised and delegated jobs directly to 31 personnel in 4 different armament shops, overseeing and assisting in the completion of all tasks to be completed in an efficient manner. Performed and managed the performance of maintenance, repair, and overhaul of various military weapons ranging from small arms to tank turrets.

- **Military License Driver:** Drove multiple types of combat, cargo, and passenger vehicles to include HMMWV, FMTV, PLS, and 45 and below passenger buses.
- **Deployments:** Deployed to the Middle East five times between 2003 to 2014.



ASE Certification Status

Tacto, Roderick
Honolulu, HI 96818
ASE ID: ASE-5863-1443

Created: October 14, 2022

7:33:00 PM

This individual currently has the ASE certification status shown below:



Current ASE Designations

Certificates
Medium/Heavy Truck Technician

ASE Certification Details

Test	Description	Expiration	Status
T4	Brakes	06/30/2027	Current
T8	Preventive Maintenance & Inspection (PMI)	12/31/2027	Current

To become ASE certified, you must pass an ASE test and have the required amount of relevant hands-on work experience. Refer to the ASE Work Experience Requirements Important Information section for details or submit the ASE Work Experience Form at <https://workexp.ase.com>.

An expired certification can be reinstated by taking and passing the corresponding recertification test. Please contact us if you have any questions.

Sincerely,

ASE Customer Service

800-390-6789

703-669-6609

contactus@ase.com

LEASE AND SERVICE AGREEMENT

This Lease and Service Agreement ("Lease") is made and entered into as of the 1st day of January, 2004, by and between RANNIKKS AUTO SPECIALISTS, INC., a Hawaii corporation ("Lessor"), and SODERHOLM SALES AND LEASING, INC., a Hawaii corporation ("Lessee").

RECITALS

- A. Lessor is the owner of a leasehold interest in a certain parcel of real property, together with improvements thereon, shown on Exhibit "A" attached hereto and made a part hereof, consisting of approximately 5,000 square feet, located at 843B Leilani Street, Hilo, Hawaii 96720 (the "Lot").
- B. Lessor has the right and desires to lease a portion of the Lot consisting of approximately 800 square feet consisting of two(2) parking stalls, measuring 20' by 40', located at the section of the Lot a blacked out and indicated on Exhibit "A" hereto, (referred to as the "Leased Premises") to Lessee, and Lessee desires to lease the Leased Premises from Lessor, for the purpose of conducting Lessee's bus dealership business.
- C. Lessee is and will remain during the term of this agreement the exclusive dealer in Hawaii for EIDorado National Co. ENC buses.
- D. Lessee has entered into agreement with Polynesian Adventure Tours Inc. dba PAT Bus Parts to stock ENC parts.
- E. Lessor is and will remain during the term of this agreement a State of Hawaii Licensed repair dealer with repair dealer license NO. RD# 2636.

NOW, THEREFORE, in consideration of the mutual covenants contained herein, Lessor and Lessee agree as follows:

SECTION 1. LEASE AND TERM

(a) Lessor shall lease to Lessee, and Lessee shall lease from Lessor, the Leased Premises on the terms and conditions contained in this Lease. During the Term and, if applicable, the Additional Term, Lessor shall provide Lessee the use of, and Lessee shall be entitled to use, a desk in the building located at the Lot, the telephone presently located on said desk with the telephone number 961-3889 and the toilet facilities located at the Leased Premises.

(b) The term of this lease (the "Term") shall be for a period of twelve (12) months, commencing on January 1, 2004 and ending on December 31, 2004, unless otherwise terminated or extended as provided in this Lease.

(c) The Term will automatically extend for an additional period of one (1) year (the "Additional Term") on an annual basis, subject however, Lessor's right in its sole discretion to reject such an Additional Term by delivering written notice of such rejection to Lessee at least sixty (60) days

before the end of the Term. All terms, and provisions of this Lease shall remain in full force and effect for the Additional Term.

SECTION 2. RENT

(a) During the Term, Lessee shall pay Lessor basic rent (the "Basic Rent") for all of the Leased Premises in an amount equal to one hundred dollars (\$100.00) for twelve (12) months, payable in advance on the first day of the Term.

(b) During the Term, Lessee shall pay Lessor, except for the Lessee's private and customer vehicles, additional rent (the "Additional Rent") in an amount equal to the sum of (10.00) ten dollars (\$10.00) per day in excess of seven (7) days that Lessee stores any given bus at the Leased Premises in connection with service preparation work performed or to be performed on such bus as described in Section 13 hereof, (ii) ten dollars (\$10.00) per day for each day in excess of seven (7) days in any given calendar month that Lessee stores a demonstration bus on the Leased Premises, and (iii) all costs and charges, including, without limitation, all toll charges, incurred in connection with or by reason of Lessee's use of the Telephone. Lessee shall pay Rent within fifteen (15) days after its receipt from Lessor of a statement and accounting for such Rent incurred. Lessor shall prepare and deliver to Lessee said statement and accounting with respect to each calendar month during the Term within ten (10) days after the last day of said calendar month.

(c) Basic Rent and Additional Rent during the Additional Term shall be an amount determined by agreement of Lessor and Lessee within thirty (30) days after Lessor's receipt of Lessee's Extension Notice pursuant to Section 1(c) hereof. If Lessor and Lessee agree on the Basic Rent and Additional Rent for the Additional Term within thirty (30) days after Lessor's receipt of such Extension Notice, Lessee and

Lessor shall immediately execute an amendment to this Lease stating the agreed upon Basic Rent and Additional Rent for such Additional Term. If Lessor Lessee are unable to agree on such Rent within thirty (30) days after Lessor's receipt of such Extension Notice, Lessee and

Lessor shall terminate at the end of the term.

(d) If this Lease commences or ends on other than the first day of a calendar month, the Basic Rent for the partial first and last months of the Term and, if applicable, the Additional Rent to Lessor at the address specified for Lessor in Section 16 hereof or at such other place or places as Lessor may designate by written notice to Lessee.

(e) Lessee shall deliver each payment of Basic Rent and Additional Rent to Lessor at the address specified for Lessor in Section 16 hereof or at such other place or places as Lessor may designate by written notice.

SECTION 3. DEPOSIT.

Prior to taking possession of the Leased Premises, Lessee shall deposit with Lessor the sum of one hundred dollars (\$100.00) to be held by Lessor as a security deposit (the "Security Deposit") for the faithful performance by Lessee of its obligations under this Lease. Lessor shall return to Lessee, without interest, the balance, if any, of the Security Deposit, less all charges for Basic Rent and Additional Rent due under this Lease or necessary to compensate Lessor for Lessee's

breach of this Lease, promptly after Lessee vacates the Leased Premises. Lessee shall not deduct the amount of the Security Deposit from Basic Rent and Additional Rent or other payments that may be due hereunder and Lessor's right to regain possession of the Leased Premises for nonpayment of any such amounts shall not be affected by the fact Lessor holds Security Deposit.

SECTION 4. LATE FEES.

If any payment to be made by Lessee to Lessor pursuant to the terms of this Lease is not made within ten (10) days after the due date for said payment, Lessee shall, at Lessor's discretion and in addition to said payment, pay a service charge of twelve percent (12%) of the amount of said payment.

SECTION 5. USE OF LEASED PREMISES.

The Leased Premises shall be used for the purpose of storing, preparing, servicing and selling buses and similar specialty vehicles in connection with the operation of Lessee's bus dealership business by Lessee. Lessor understands that such use is permitted under all applicable laws, statutes, ordinances, rules and regulations. Notwithstanding anything to the contrary contained herein, if Lessee is prohibited or enjoined from operation of such bus dealerships business, Lessee may terminate this Lease upon thirty (30) days' prior written notice to Lessor.

SECTION 6. RESTRICTIONS OF USE

Lessee shall not commit or permit the commission of any acts on the Leased Premises, nor use or permit the use of the Leased Premises, in any way that:

- (a) Will increase the existing rates for or cause cancellation of any fire, casualty, liability or other insurance policy insuring the Leased Premises or its contents;
- (b) Violates or conflicts with any law, statute, ordinance or governmental rule or regulation, whether now in force or hereafter enacted, governing the Leased Premises;
- (c) Unreasonably obstructs or interferes with the rights of other tenants or occupants of the Leased Premises or injures or annoys them; or
- (d) Constitutes the commission of waste on the Leased Premises or the commission or maintenance of a nuisance.

SECTION 7. ALTERATIONS.

Lessee shall not make any alterations to the leased Premises without the written consent of Lessor. If Lessor consents to the making of any alterations to the Leased Premises, such alterations shall be made at the sole cost and expense of Lessee by a contractor or other person selected by Lessee and approved in writing by Lessor before the Leased Premises shall become the property of Lessor and remain on the Leased Premises upon termination of this Lease; provided, sixty (60) days prior to the expiration of the Term or the Additional Term, as the case maybe, Lessee shall upon termination of this Lease, at Lessee's sole cost and expense, remove all alterations, additions and improvement made to the Leased Premises by the Lessee and pay all costs of repairing any damage to the Leased Premises caused by their removal.

SECTION 8. MAINTENANCE.

Lessee agrees that as of the date of this Lease as first set forth above the Leased Premises are in a good, clean and safe condition and repair. Lessee shall, at all times during the term and, if applicable, the Additional Term, to the extent attributable to its use thereof, maintain the Leased Premises in a good, clean and safe condition and shall, upon the termination of this Lease, surrender the Leased Premises to Lessor in as good condition and repair as they are in on the date of this Lease, reasonable wear and tear expected. Lessee waives any right to make repairs to the Leased Premise at the expense of Lessor as provided by any law or statute now or hereafter enacted.

SECTION 9. LESSOR'S INSPECTION OF LEASED PREMISES.

Lessee shall permit Lessor to enter the Leased Premises at all reasonable times for the purpose of inspecting the Leased Premises to determine whether Lessee is complying with the terms of this Lease and for the purpose of doing other lawful acts that may be necessary to protect Lessor's interest in the Leased Premises under this Lease.

SECTION 10. UTILITIES, MAINTENANCE FEE, ETC.

On or before the fifteenth (15th) day of each calendar month during the term and, if applicable, the Additional Term, and subject to receiving a statement and accounting from Lessor as described in the next sentence of this Section 10, Lessee's use of the Telephone. Lessor shall prepare and deliver to Lessee a statement and accounting of such charges with respect to each such calendar month within ten (10) days after the last day of such month.

SECTION 11. ASSIGNMENT AND SUBLETTING.

Lessee shall neither encumber, assign, sublet nor otherwise transfer this Lease, any right or interest in this Lease, or any right or interest in the Leased Premises, nor shall Lessee sublet the Leased Premises, without the prior written consent of the Lessor. Any such encumbrance, assignment, transfer, or subletting without the prior written consent of Lessor, whether it be voluntary, by operation of law or otherwise, is void and shall, at the option of Lessor, terminate this Lease.

SECTION 12. INDEMNIFICATION.

(a) Lessee shall indemnify and hold Lessor and the property of Lessor, including the Leased Premises, free and harmless from any and all liabilities, claims, losses, damages or expenses, including reasonable attorneys' fees and costs, arising by reason of death or injury of any person including Lessee, or by reason of damage to or destruction of any property, including property owned by Lessee or any person who is an employee, agent or invitee of Lessee, caused or allegedly caused by:

(1) Any cause within the control of Lessee or any person who is an employee, agent or invitee of Lessee, whatsoever while such person or property is in or on the Leased Premises or in any way connected with the Leased Premises or with any personal property on the Leased Premises;

(2) Some condition of the Leased Premises caused by Lessor or any person who is an employee, agent or invitee of Lessor;

(3) Some act or omission on the Leased Premises of Lessor or any person who is an employee, agent or invitee or Lessor, on or about the Leased Premises with the permission of Lessor; or

(4) Any matter connected with Lessor's occupation an use of the Leased Premises to the extent it is under Lessor's control; provided, however, that Lessor shall not be obligated to indemnify Lessee or its property hereunder for any such liabilities, claims, losses, damages or expenses to the extent the same are attributable to the gross negligence or willful misconduct to Lessee or its employees, agents or representatives.

(b) Lessor shall indemnify and hold Lessee and the property of Lessee free and harmless from any and all liabilities, claims, losses, damages or expenses, including reasonable attorneys' fees and costs, arising be reason of the death or injury of any person, including Lessor or any person who is an employee, agent or invitee of Lessor, or by reason of damage to or destruction of any property, including property owned by Lessor or any person who is an employee, agent or invitee of Lessor, caused or allegedly caused by:

(1) Any cause within the control of Lessor or any person who is an employee, agent or invitee of Lessor, whatsoever while such person or property is in or on the Leased Premises or in any way connected with the Leased Premises or with any personal property on the Leased Premises;

(2) Some condition of the Leased Premises caused by Lessor or any person who is an employee, agent or invitee of Lessor;

(3) Some act or omission on the Leased Premises of Lessor or any person who is an employee, agent or invitee or Lessor, on or about the Leased Premises with the permission of Lessor; or

(4) Any matter connected with Lessor's occupation an use of the Leased Premises to the extent it is under Lessor's control; provided, however, that Lessor shall not be obligated to indemnify Lessee or its property hereunder for any such liabilities, claims, losses, damages or expenses to the extent the same are attributable to the gross negligence or willful misconduct to Lessee or its employees, agents or representatives.

SECTION 13. WARRANTY, PARTS AND SERVICE.

(a) Lessee hereby appoints Lessor, effective January 1, 2004, as an authorized warranty, parts and service center for the island of Hawaii for EIDorado National Co. (ENC) vehicles ("ENC Vehicles").

(b) Lessor shall perform preparation work ("Prep Work") on buses on behalf of, and as requested from time to time, by Lessee. Prep Work to be performed by Lessor with respect to any given bus shall consist of such of the items set forth in Exhibit "B" attached hereto and made a part hereof, as said Exhibit "B" may from time to time be revised by the relevant bus manufacturer, as Lessee indicates in writing to Lessor are to be and are actually performed with respect to each such bus. Lessee shall pay Lessor a fee (the "Prep Work Fee") for such Prep

Work in the amount of two hundred dollars (\$200.00), per bus. Lessee shall pay the Prep Work Fee within fifteen (15) days after receiving a statement therefore from Lessor.

(c) Without limiting Lessor's obligations under this Lease, Lessor shall provide efficient, courteous and quality service to owners and users of ENC Vehicles when requested to provide service. Lessor's service obligations include (i) the completion of Prep Work including the inspection and adjustments on each new ENC Vehicle and verification of inspection and adjustment on forms provided by ENC Bus, (ii) required warranty repairs and special policy adjustments that are approved by ENC, (iii) campaign inspections and corrections directed by ENC to find and correct suspected unsatisfactory conditions and (iv) requested service work for ENC operators.

(d) The current ENC warranty hourly rate is sixty-five (\$65.00) dollars per hour. The current Lessor non-warranty service rate is sixty-five (\$65.00) dollars per our, which is subject to change at the sole discretion of Lessor.

(e) Lessee shall provide Lessor free of charge all necessary workshop manuals and wiring diagrams for ENC vehicles.

(f) Lessor is authorized to buy parts directly from PAT Bus Parts at fleet price.

SECTION 14. ADVERTISING.

Lessee may use Lessor's name in Lessee's advertisements, subject to Lessor's prior review and approval of the same. Lessor shall be named as the authorized warranty, parts and service center for Lessee for the eastern half or Hilo side of the island of Hawaii. Lessee shall pay all costs of such advertisements.

SECTION 15. DEFAULT AND BREACH.

(a) Lessee shall be in default under this lease if:

(1) Lessee fails to pay Basic Rent or Additional Rent or to make any other payment of money as herein required when due for a period of ten(10) days after written demand from Lessor to cure such failure;

(2) Lessee fails to perform any other provision, covenant or condition of this Lease and such failure conditions for thirty (30) days after written notice from Lessor to cure such failure;

(3) Lessee breaches this Lease and abandons the Leased Premises before expiration of the Term or, if applicable, the Additional Term of this Lease;

(4) A receiver is appointed to take possession of all or substantially all of the Lessee's property and is not discharged within thirty (30) days after his appointment;

(5) Lessee makes a general assignment for the benefit of creditors; or

(6) Execution or attachment is levied on all or substantially all of Lessee's property and assets and is not discharged within thirty (30) days.

(b) Lessor shall be in default under this Lease for any material breach of the provisions of this Lease.

SECTION 16. LESSOR'S REMEDIES.

If Lessee is in default under this Lease as defined in Section 14 hereof, Lessor, in addition to any other remedies available to Lessor by law or equity, may reenter and take possession of the Leased Premises and remove all persons and property therefrom and, at its option, terminate this Lease. If Lessor elects to reenter and take possession of the leased premises but not to terminate this Lease, Lessee shall pay, upon Lessor's demand, the cost of recovering possession, including reasonable attorneys' fees, the cost of relating the Leased Premises and any deficiency in the Rent owed by Lessee hereunder.

SECTION 17. NOTICES.

Except as otherwise expressly provided by law, any and all notices or other communications required or permitted by this Lease or by law to be served or given to either party by the other party shall be in writing and shall be deemed duly served and given when either personally delivered or transmitted by facsimile to the party to whom it is directed or to the managing employee of such party or, in lieu of such personal service, one (1) day after being deposited in the mail, first class postage prepaid, addressed to Lessor at 843B Leilani St., Hilo, Hawaii 96720, or to Lessee at P. Box 19010, Honolulu, Hawaii 96819 (Facsimile No. (808) 834-1070), as the case may be. Either party may change their facsimile number or mailing address for the purpose of this Section 17 by giving written notice of the change to the other party in the manner provided in this Section 17.

SECTION 19. ATTORNEYS' FEES.

If any litigation is commenced by one party hereto against the other party concerning the Leased Premises, this Lease or the rights and duties of any party hereto under this Lease, the prevailing party shall be entitled to recover its costs and reasonable attorneys' fees from the other party.

SECTION 20. BINDING EFFECT

This Lease shall be binding on and shall inure to the benefit of the successors and assigns of the parties hereto, but nothing in this Section 20 shall be construed as a consent by Lessor to any assignment of this Lease or any interest therein by Lessee except as provided in Section 11 hereof.

SECTION 21. TIME.

Time is expressly declared to be of the essence of this Lease.

SECTION 22. WAIVER.

The waiver by any party hereto of any breach of any of the provisions of this lease by the other party shall not constitute a continuing waiver or a waiver of any subsequent breach by said other provision of this Lease.

SECTION 23. GOVERNING LAW.

This Lease shall be governed by and construed in accordance with the laws of the State of Hawaii.

IN WITNESS WHEREOF, Lessor and Lessee hereto have caused this Lease to be executed and delivered as of the date first above written.

LESSOR:


RANNIKKS AUTO SPECIALISTS, INC.

By 

Its President

LESSEE:

SODERHOLM SALES & LEASING, INC.

By 

Its President

General License

License ID

RD-2636

Legal License Name

RANNIKKS AUTO SPECIALISTS, INC.

Status

CURRENT, VALID & IN GOOD STANDING

Entity Type

CORPORATION

Active/Inactive

ACTIVE

Original License Date

06/07/1990

Expiration Date

06/30/2023

Restriction

--

Trade/Professional Name

--

Special Privilege

--

Conditions & Limitations

--

Class Prefix

--

Business Code

--

Educational Code

--

Business Address

843-B LEILANI ST, HILO, HI, 96720

Other Business/Person/DBA Names

 Records Per Page

 Columns to Show

Search:

Filter...

Name

Effective Date

Termination Date

NO DATA AVAILABLE IN TABLE

Showing 0 to 0 of 0 entries

Previous

Next

 Employees List

Employees

Employee Name	Position	Position Status	License ID	License Status	Effective Date
MICHAEL T NAKASHIMA	CERTIFIED MECHANIC	DESIGNATED	MC-6061 (/PUBLIC-LICENSE-DETAILS?LICENSEID=MC-6061-0)	CURRENT, VALID & IN GOOD STANDING	07/01/1997

Employers List

Employers

Employer Name	Position	License ID	License Status	Effective Date
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Insurance/Bond

Insurance/Bond

Insurance Type	Effective	Term Date	Cancel Date	Policy #	Surety	Amount
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License Class

License Classes

Class Code	Class Type	Effective	Restricted	Status
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LICENSE INFORMATION ON THIS SITE REFLECTS INFORMATION IN THE PROFESSIONAL AND VOCATIONAL LICENSING DIVISION AS OF NOVEMBER 5, 2021; HOWEVER, APPLICATIONS AND FORMS ARE SUBJECT TO STANDARD PROCESSING TIME, AND THE INFORMATION HERE DOES NOT REFLECT PENDING CHANGES WHICH ARE BEING REVIEWED. THE SITE IS UPDATED DAILY, MONDAY THROUGH FRIDAY, EXCEPT HOLIDAYS.

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General License

License ID

MC-6061

Legal License Name

MICHAEL T NAKASHIMA

Status

CURRENT, VALID & IN GOOD STANDING

Entity Type

INDIVIDUAL

Active/Inactive

ACTIVE

Original License Date

07/03/1989

Expiration Date

06/30/2023

Restriction

-

Trade/Professional Name

-

Special Privilege

-

Conditions & Limitations

-

Class Prefix

-

Business Code

-



Educational Code

-

Business Address

-

Other Business/Person/DBA Names

 Records Per Page  Columns to Show Search:

Name	Effective Date	Termination Date
NO DATA AVAILABLE IN TABLE		

Showing 0 to 0 of 0 entries

[Previous](#) [Next](#)

Employees List

Employees

Employee Name	Position	Position Status	License ID	License Status	Effective Date
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 Employers List

Employers

Employer Name	Position	License ID	License Status	Effective Date
RANNIKKS AUTO SPECIALISTS, INC.	CERTIFIED MECHANIC	RD-2636 (/PUBLIC-LICENSE-DETAILS?LICENSEID=RD-2636-0)	CURRENT, VALID & IN GOOD STANDING	07/01/1997

 Insurance/Bond

Insurance/Bond

Insurance Type	Effective	Term Date	Cancel Date	Policy #	Surety	Amount
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 License Class

License Classes

Class Code	Class Type	Effective	Restricted	Status
A1 ENGINE REPAIR	ENGINE REPAIR	07/19/1990	NO	CURRENT, VALID & IN GOOD STANDING
A2 AUTOMATIC TRANSMISSION/TRANSAXLE	AUTOMATIC TRANSMISSION/TRANSAXLE	07/19/1990	NO	CURRENT, VALID & IN GOOD STANDING
A3 MANUAL DRIVE TRAIN AND AXLES	MANUAL DRIVE TRAIN AND AXLES	02/03/1992	NO	CURRENT, VALID & IN GOOD STANDING
A4 SUSPENSION AND STEERING	SUSPENSION AND STEERING	07/03/1989	NO	CURRENT, VALID & IN GOOD STANDING
T4 BRAKES	BRAKES	02/03/1992	NO	CURRENT, VALID & IN GOOD STANDING
A6 ELECTRICAL/ELECTRONIC SYSTEMS	ELECTRICAL/ELECTRONIC SYSTEMS	07/03/1989	NO	CURRENT, VALID & IN GOOD STANDING
A7 HEATING AND AIR CONDITIONING	HEATING AND AIR CONDITIONING	07/03/1989	NO	CURRENT, VALID & IN GOOD STANDING
A8 ENGINE PERFORMANCE	ENGINE PERFORMANCE	07/03/1989	NO	CURRENT, VALID & IN GOOD STANDING
T1 GASOLINE ENGINES	GASOLINE ENGINES	05/29/1997	NO	CURRENT, VALID & IN GOOD STANDING
A5 BRAKES	BRAKES	07/03/1989	NO	CURRENT, VALID & IN GOOD STANDING

LICENSE INFORMATION ON THIS SITE REFLECTS INFORMATION IN THE PROFESSIONAL AND VOCATIONAL LICENSING DIVISION AS OF JANUARY 13, 2022; HOWEVER, APPLICATIONS AND FORMS ARE SUBJECT TO STANDARD PROCESSING TIME, AND THE INFORMATION HERE DOES NOT REFLECT PENDING CHANGES WHICH ARE BEING REVIEWED. THE SITE IS UPDATED DAILY, MONDAY THROUGH FRIDAY, EXCEPT HOLIDAYS.

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FOLD ALONG PERFORATION TO REMOVE CERTIFICATE



National Institute for
**AUTOMOTIVE
SERVICE
EXCELLENCE**



Be it known that

MICHAEL T NAKASHIMA

has successfully passed the examinations and met the work experience requirement prescribed by the National Institute for Automotive Service Excellence and is hereby **ASE CERTIFIED** in the service areas listed below.

MASTER MEDIUM/HEAVY TRUCK TECHNICIAN

AREAS OF DEMONSTRATED ACHIEVEMENT

EXPIRES

GASOLINE ENGINES	JUNE 30, 2026
DIESEL ENGINES	DECEMBER 31, 2023
DRIVE TRAIN	JUNE 30, 2024
BRAKES	DECEMBER 31, 2023
SUSPENSION AND STEERING	DECEMBER 31, 2023
ELECTRICAL/ELECTRONIC SYSTEMS	JUNE 30, 2027
HEATING, VENTILATION, AND A/C	JUNE 30, 2023
PREVENTIVE MAINTENANCE AND INSPECTION	JUNE 30, 2026

** ** *

GIVEN THIS 18TH DAY OF MARCH 2022, AT LEESBURG, VIRGINIA.

ASE-1111-5081
ASE IDENTIFICATION NUMBER

Timothy A. Zilke
TIMOTHY A. ZILKE, President

General License

License ID

MC-9153

License Type

CERTIFIED MECHANIC

Legal License Name

RANDY TAMOTSU NAKASHIMMA

Status

CURRENT, VALID & IN GOOD STANDING

Entity Type

INDIVIDUAL

Active/Inactive

ACTIVE

Original License Date

07/01/2021

Expiration Date

06/30/2023

Restriction

--

Trade/Professional Name

--

Special Privilege

--

Conditions & Limitations

--

Class Prefix

--

Business Code

--

Educational Code

--

Business Address

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Other Business/Person/DBA Names

 Records Per Page Columns to ShowSearch:

Name	Effective Date	Termination Date
NO DATA AVAILABLE IN TABLE		

Showing 0 to 0 of 0 entries

[Previous](#) [Next](#) [Employees List](#)

Employees

Employee Name	Position	Position Status	License ID	License Status	Effective Date
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☰ Employers List

Employers

Employer Name	Position	License ID	License Status	Effective Date
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☔ Insurance/Bond

Insurance/Bond

Insurance Type	Effective	Term Date	Cancel Date	Policy #	Surety	Amount
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★ License Class

License Classes

Class Code	Class Type	Effective	Restricted	Status
A1 ENGINE REPAIR	ENGINE REPAIR	06/28/2021	NO	CURRENT, VALID & IN GOOD STANDING
A2 AUTOMATIC TRANSMISSION/TRANSAXLE	AUTOMATIC TRANSMISSION/TRANSAXLE	06/28/2021	NO	CURRENT, VALID & IN GOOD STANDING
A4 SUSPENSION AND STEERING	SUSPENSION AND STEERING	06/28/2021	NO	CURRENT, VALID & IN GOOD STANDING
A5 BRAKES	BRAKES	06/28/2021	NO	CURRENT, VALID & IN GOOD STANDING
A8 ENGINE PERFORMANCE	ENGINE PERFORMANCE	06/28/2021	NO	CURRENT, VALID & IN GOOD STANDING

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National Institute for
**AUTOMOTIVE
SERVICE
EXCELLENCE**



Be it known that

RANDY T NAKASHIMA

has successfully passed the examinations and met the work experience requirement prescribed by the National Institute for Automotive Service Excellence and is hereby **ASE CERTIFIED** in the service areas listed below.

MASTER AUTOMOBILE TECHNICIAN

AREAS OF DEMONSTRATED ACHIEVEMENT

EXPIRES

ENGINE REPAIR	DECEMBER 31, 2023
AUTOMATIC TRANSMISSION/TRANSAXLE	JUNE 30, 2022
MANUAL DRIVE TRAIN AND AXLES	JUNE 30, 2026
SUSPENSION AND STEERING	DECEMBER 31, 2023
BRAKES	DECEMBER 31, 2023
ELECTRICAL/ELECTRONIC SYSTEMS	DECEMBER 31, 2026
HEATING AND AIR CONDITIONING	JUNE 30, 2026
ENGINE PERFORMANCE	JUNE 30, 2022

** ** *

GIVEN THIS 6TH DAY OF AUGUST 2021, AT LEESBURG, VIRGINIA

ASE-1867-7291
ASE IDENTIFICATION NUMBER

Timothy A. Zilke
TIMOTHY A. ZILKE, President

LEASE AND SERVICE AGREEMENT

This Lease and Service Agreement ("Lease") is made and entered into as of the 1st day of November, 2010, by and between KAUAI VEHICLE SERVICE CENTER, INC., a Hawaii corporation ("Lessor"), and SODERHOLM SALES AND LEASING, INC., a Hawaii corporation ("Lessee").

RECITALS

- A. Lessor is the owner of a leasehold interest in a certain parcel of real property, together with improvements thereon, shown on Exhibit "A" attached hereto and made a part hereof, consisting of approximately 3000 square feet, located at 3124 Peleke Street, Lihue, HI 96766.
- B. Lessor has the right and desires to lease a portion of the Lot consisting of approximately 300 square feet consisting of three (3) parking stalls, measuring 10' by 20', located at the section of the Lot blacked out and indicated on Exhibit "A" hereto, (referred to as the "Leased Premises") to Lessee, and Lessee desires to lease the Leased Premises from Lessor, for the purpose of conducting Lessee's bus dealership business.
- C. Lessee is and will remain during the term of this agreement the dealer in Hawaii for Eldorado National Co. (ENC) buses, Ricon and Braun wheelchair lifts.
- D. Lessor is and will remain during the term of this agreement a Ricon and Braun wheelchair lift parts, service and warranty center.
- E. Lessor is and will remain during the term of this agreement a State of Hawaii licensed repair dealer with repair Dealer License No. RD#4134

NOW, THEREFORE, in consideration of the mutual covenants contained herein, Lessor and Lessee agree as follows:

SECTION 1. LEASE AND TERM

- a) Lessor shall lease to Lessee, and Lessee shall lease from Lessor, the Leased Premises on the terms and conditions contained in this Lease. During the Term and, if applicable, the Additional Term, Lessor shall provide Lessee the use of, and Lessee shall be entitled to use, a desk in the building located at the Lot, the telephone presently located on said desk with the telephone number 246-6711 and the toilet facilities located at the Leased Premises.
- b) The term of this lease (the "Term") shall be for a period of twelve (24) months, commencing on January 1, 2011, and ending on December 31, 2012, unless otherwise terminated or extended as provided in this Lease.

- c) The lease Term will be automatically extended on an annual basis unless Lessor delivers written notice the lease is being terminated. Subject to the rental adjustment provisions of Section 2(b) hereof, all terms, and provisions of this Lease shall remain in full force and effect for the Additional Term.

SECTION 2. RENT

- a) During the Term, Lessee shall pay Lessor basic rent (the "Basic Rent") for all of the Leased Premises in an amount equal to one hundred dollars (\$100.00) for fourteen months, payable in advance on the first day of the Term.
- b) During the Term, Lessee shall pay Lessor, except for the Lessee's private and customer vehicles, additional rent (the "Additional Rent") in an amount equal to the sum of ten dollars (\$10.00) per day in excess of seven (7) days that Lessee stores any given bus at the Leased Premises in connection with service preparation work performed or to be performed on such bus as described in Section 13 hereof, (ii) ten dollars (\$10.00) per day for each day in excess of seven (7) days in any given calendar month that Lessee stores a demonstration bus on the Leased Premises, and (iii) all costs and charges, including, without limitation, all toll charges, incurred in connection with or by reason of Lessee's use of the Telephone. Lessee shall pay Rent within fifteen (15) days after its receipt from Lessor of a statement and accounting for such Rent incurred. Lessor shall prepare and deliver to Lessee said statement and accounting with respect to each calendar month during the Term within ten (10) days after the last day of said calendar month.
- c) Basic Rent and Additional Rent during the Additional Term shall be an amount determined by agreement of Lessor and Lessee within thirty (30) days after Lessor's receipt of Lessee's Extension Notice pursuant to Section 1(c) hereof. If Lessor and Lessee agree on the Basic Rent and Additional Rent for the Additional Term within thirty (30) days after Lessor's receipt of such Extension Notice, Lessee and Lessor shall immediately execute an amendment to this Lease stating the agreed upon Basic Rent and Additional Rent for such Additional Term. If Lessor and Lessee are unable to agree on such Rent within thirty (30) days after Lessor's receipt of such Extension Notice, Lessee and Lessor shall terminate at the end of the term.
- d) Lessee shall deliver each payment of Basic Rent and Additional Rent to Lessor at the address specified for Lessor in Section 16 hereof or at such other place or places as Lessor may designate by written notice.

SECTION 3. DEPOSIT.

Prior to taking possession of the Leased Premises, Lessee shall deposit with Lessor the sum of one hundred dollars (\$100.00) to be held by Lessor as a security deposit (the "Security Deposit") for the faithful performance by Lessee of its obligations under this Lease. Lessor shall return to Lessee, without interest, the balance, if any, of the Security Deposit, less all charges for Basic Rent and Additional Rent due under this Lease or necessary to compensate Lessor for Lessee's breach of this Lease, promptly after Lessee vacates the Leased Premises. Lessee shall not deduct the amount of the Security Deposit from Basic Rent and Additional Rent or other payments that may be due hereunder and Lessor's right to regain possession of the Leased Premises for nonpayment of any such amounts shall not be affected by the fact Lessor holds Security Deposit.

SECTION 4. LATE FEES.

If any payment to be made by Lessee to Lessor pursuant to the terms of this Lease is not made within ten (10) days after the due date for said payment, Lessee shall, at Lessor's discretion and in addition to said payment, pay a service charge of twelve percent (12%) of the amount of said payment.

SECTION 5. USE OF LEASED PREMISES.

The Leased Premises shall be used for the purpose of storing, preparing, servicing and selling buses and similar specialty vehicles in connection with the operation of Lessee's bus dealership business by Lessee. Lessor understands that such use is permitted under all applicable laws, statutes, ordinances, rules and regulations. Notwithstanding anything to the contrary contained herein, if Lessee is prohibited or enjoined from operation of such bus dealerships business, Lessee may terminate this Lease upon thirty (30) days' prior written notice to Lessor.

SECTION 6. RESTRICTIONS OF USE

Lessee shall not commit or permit the commission of any acts on the Leased Premises, nor use or permit the use of the Leased Premises, in any way that:

- a) Will increase the existing rates for or cause cancellation of any fire, casualty, liability or other insurance policy insuring the Leased Premises or its contents;
- b) Violates or conflicts with any law, statute, ordinance or governmental rule or regulation, whether now in force or hereafter enacted, governing the Leased Premises;
- c) Unreasonably obstructs or interferes with the rights of other tenants or occupants of the Leased Premises or injuries or annoys them; or

- d) Constitutes the commission of waste on the Leased Premises or the commission or maintenance of a nuisance.

SECTION 7. ALTERATIONS.

Lessee shall not make any alternations to the leased Premises without the written consent of Lessor. If Lessor consents to the making of any alterations to the Leased Premises, such alterations shall be made at the sole cost and expense of Lessee by a contractor or other person selected by Lessee and approved in writing by Lessor before the Leased Premises shall become the property of Lessor and remain on the Leased Premises upon termination of this Lease; provided, sixty (60) days prior to the expiration of the Term or the Additional Term, as the case maybe, Lessee shall upon termination of this Lease, at Lessee's sole cost and expense, remove all alterations, additions and improvement made to the Leased Premises by the Lessee and pay all costs of repairing any damage to the Leased Premises caused by their removal.

SECTION 8. MAINTENANCE.

Lessee agrees that as of the date of this Lease as first set forth above the Leased Premises are in a good, clean and safe condition and repair. Lessee shall, at all times during the term and, if applicable, the Additional Term, to the extent attributable to its use thereof, maintain the Leased Premises in a good, clean and safe condition and shall, upon the termination of this Lease, surrender the Leased Premises to Lessor in as good condition and repair as they are in on the date of this Lease, reasonable wear and tear expected. Lessee waives any right to make repairs to the Leased Premise at the expense of Lessor as provided by any law or statute now or hereafter enacted.

SECTION 9. LESSOR'S INSPECTION OF LEASED PREMISES.

Lessee shall permit Lessor to enter the Leased Premises at all reasonable times for the purpose of inspecting the Leased Premises to determine whether Lessee is complying with the terms of this Lease and for the purpose of doing other lawful acts that may be necessary to protect Lessor's interest in the Leased Premises under this Lease.

SECTION 10. UTILITIES, MAINTENANCE FEE, ETC.

On or before the fifteenth (15th) day of each calendar month during the term and, if applicable, the Additional Term, and subject to receiving a statement and accounting from Lessor as described in the next sentence of this Section 10, Lessee's use of the Telephone. Lessor shall prepare and deliver to Lessee a statement and accounting of such charges with respect to each such calendar month within ten (10) days after the last day of such month.

SECTION 11. ASSIGNMENT AND SUBLETTING.

Lessee shall neither encumber, assign, sublet nor otherwise transfer this Lease, any right or interest in this Lease, or any right or interest in the Leased Premises, nor shall Lessee sublet the Leased Premises, without the prior written consent of the Lessor. Any such

encumbrance, assignment, transfer, or subletting without the prior written consent of Lessor, whether it be voluntary, by operation of law or otherwise, is void and shall, at the option of Lessor, terminate this Lease.

SECTION 12. INDEMNIFICATION.

- (a) Lessee shall indemnify and hold Lessor and the property of Lessor, including the Leased Premises, free and harmless from any and all liabilities, claims, losses, damages or expenses, including reasonable attorneys' fees and costs, arising by reason of death or injury of any person including Lessee, or by reason of damage to or destruction of any property, including property owned by Lessee or any person who is an employee, agent or invitee of Lessee, caused or allegedly caused by:
1. Any cause within the control of Lessee or any person who is an employee, agent or invitee of Lessee, whatsoever while such person or property is in or on the Leased Premises or in any way connected with the Leased Premises or with any personal property on the Leased Premises;
 2. Some condition of the Leased Premises caused by Lessee or any person who is an employee, agent or invitee of Lessee;
 3. Some act or omission on the Leased Premises of Lessee or any person who is an employee, agent or invitee of Lessee, on or about the Leased Premises with the permission of Lessee; or
 4. Any matter connected with Lessee's occupation an use of the Leased Premises to the extent it is under Lessee's control; provided, however, that Lessee shall not be obligated to indemnify Lessor or its property hereunder for any such liabilities, claims, losses, damages or expenses to the extent the same are attributable to the gross negligence or willful misconduct to Lessor or its employees, agents or representatives.
- b) Lessor shall indemnify and hold Lessee and the property of Lessee free and harmless from any and all liabilities, claims, losses, damages or expenses, including reasonable attorneys' fees and costs, arising be reason of the death or injury of any person, including Lessor or any person who is an employee, agent or invitee of Lessor, or by reason of damage to or destruction of any property, including property owned by Lessor or any person who is an employee, agent or invitee of Lessor, caused or allegedly caused by:
- 1) Any cause within the control of Lessor or any person who is an employee, agent or invitee of Lessor, whatsoever while such person or property is in or on the Leased Premises or in any way connected with the Leased Premises or with any personal property on the Leased Premises;

- 2) Some condition of the Leased Premises caused by Lessor or any person who is an employee, agent or invitee of Lessor;
- 3) Some act or omission on the Leased Premises of Lessor or any person who is an employee, agent or invitee of Lessor, on or about the Leased Premises with the permission of Lessor; or
- 4) Any matter connected with Lessor's occupation an use of the Leased Premises to the extent it is under Lessor's control; provided, however, that Lessor shall not be obligated to indemnify Lessee or its property hereunder for any such liabilities, claims, losses, damages or expenses to the extent the same are attributable to the gross negligence or willful misconduct to Lessee or its employees, agents or representatives.

SECTION 13. WARRANTY, PARTS AND SERVICE.

- (a) Lessee hereby appoints Lessor, effective January 1, 2011, as an authorized warranty, parts and service center for the island of Kauai for EIDorado National Co. (ENC) vehicles ("ENC Vehicles").
- (b) Lessor shall perform preparation work ("Prep Work") on buses on behalf of, and as requested from time to time, by Lessee. Prep Work to be performed by Lessor with respect to any given bus shall consist of such of the items set forth in Exhibit "B" attached hereto and made a part hereof, as said Exhibit "B" may from time to time be revised by the relevant bus manufacturer, as Lessee indicates in writing to Lessor are to be and are actually performed with respect to each such bus. Lessee shall pay Lessor a fee (the "Prep Work Fee") for such Prep Work in the amount of five hundred dollars (\$500.00), per bus. Lessee shall pay the Prep Work Fee within fifteen (15) days after receiving a statement therefor from Lessor. Lessee will also pay five hundred dollars (\$500.00) for the detailing of the buses.
- (c) Without limiting Lessor's obligations under this Lease, Lessor shall provide efficient, courteous and quality service to owners and users of ENC Vehicles when requested to provide service. Lessor's service obligations include (i) the completion of Prep Work including the inspection and adjustments on each new ENC Vehicle and verification of inspection and adjustment on forms provided by Lessee, (ii) required warranty repairs and special policy adjustments that are approved by ENC, (iii) campaign inspections and corrections directed by ENC to find and correct suspected unsatisfactory conditions and (iv) requested service work for ENC operators.
- (d) The current ENC warranty hourly rate is ninety (\$90.00) dollars per hour. The current Lessor non-warranty service rate is ninety (\$90.00) dollars per hour, which is subject to change at the sole discretion of Lessor.
- (e) Lessee shall provide Lessor free of charge all necessary workshop manuals and wiring diagrams for ENC vehicles.

- (f) Lessor is authorized to buy parts directly from lessee at fleet price.
- (g) Lessor may purchase any Ricon or Braun wheelchair lifts at ten percent (10%) over Lessee's dealer price plus freight and ½% tax.
- (h) Lessee will provide during the Term a Ford IDS diagnostic software and cables with an initial subscription of one year (value \$3500.00). Lessor will pay for subsequent annual subscription.

SECTION 14. ADVERTISING.

Lessee may use Lessor's name in Lessee's advertisements, subject to Lessor's prior review and approval of the same. Lessor shall be named as the authorized warranty, parts and service center for Lessee for the island of Kauai. Lessee shall pay all costs of such advertisements.

SECTION 15. DEFAULT AND BREACH.

- (a) Lessee shall be in default under this lease if:
 - 1) Lessee fails to pay Basic Rent or Additional Rent or to make any other payment of money as herein required when due for a period of ten(10) days after written demand from Lessor to cure such failure;
 - 2) Lessee fails to perform any other provision, covenant or condition of this Lease and such failure conditions for thirty (30) days after written notice from Lessor to cure such failure;
 - 3) Lessee breaches this Lease and abandons the Leased Premises before expiration of the Term or, if applicable, the Additional Term of this Lease;
 - 4) A receiver is appointed to take possession of all or substantially all of the Lessee's property and is not discharged within thirty (30) days after his appointment;
 - 5) lessee makes a general assignment for the benefit of creditors; or
 - 6) Execution or attachment is levied on all or substantially all of Lessee's property and assets and is not discharged within thirty (30) days.
- (b) Lessor shall be in default under this Lease for any material breach of the provisions of this Lease.

SECTION 16. LESSOR'S REMEDIES.

If Lessee is in default under this Lease as defined in Section 14 hereof, Lessor, in addition to any other remedies available to Lessor by law or equity, may reenter and take

possession of the Leased Premises and remove all persons and property therefrom and, at its option, terminate this Lease. If Lessor elects to reenter and take possession of the leased premises but not to terminate this Lease, Lessee shall pay, upon Lessor's demand, the cost of recovering possession, including reasonable attorneys' fees, the cost of relating the Leased Premises and any deficiency in the Rent owed by Lessee hereunder.

SECTION 17. NOTICES.

Except as otherwise expressly provided by law, any and all notices or other communications required or permitted by this Lease or by law to be served or given to either party by the other party shall be in writing and shall be deemed duly served and given when either personally delivered or transmitted by facsimile to the party to whom it is directed or to the managing employee of such party or, in lieu of such personal service, one (1) day after being deposited in the mail, first class postage prepaid, addressed to Lessor at 3124 Peleke Street, Lihue, Hawaii 96766, Facsimile number (808) 246-6711 or to Lessee at P.O. Box 19010, Honolulu, Hawaii 96819 (Facsimile No. (808) 834-1070), as the case may be. Either party may change their facsimile number or mailing address for the purpose of this Section 16 by giving written notice of the change to the other party in the manner provided in this Section 16.

SECTION 19. ATTORNEYS' FEES.

If any litigation is commenced by one party hereto against the other party concerning the Leased Premises, this Lease or the rights and duties of any party hereto under this Lease, the prevailing party shall be entitled to recover its costs and reasonable attorneys' fees from the other party.

SECTION 20. BINDING EFFECT

This Lease shall be binding on and shall inure to the benefit of the successors and assigns of the parties hereto, but nothing in this Section 20 shall be construed as a consent by Lessor to any assignment of this Lease or any interest therein by Lessee except as provided in Section 11 hereof.

SECTION 21. TIME.

Time is expressly declared to be of the essence of this Lease.

SECTION 22. WAIVER.

The waiver by any party hereto of any breach of any of the provisions of this lease by the other party shall not constitute a continuing waiver or a waiver of any subsequent breach by said other provision of this Lease.

SECTION 23. GOVERNING LAW.

This Lease shall be governed by and construed in accordance with the laws of the State of Hawaii.

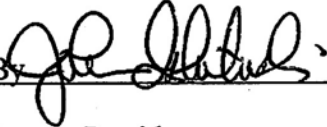
IN WITNESS WHEREOF, Lessor and Lessee hereto have caused this Lease to be executed and delivered as of the date first above written.

LESSOR:

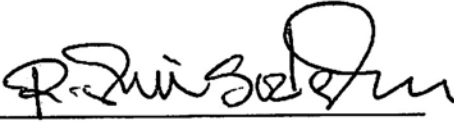
LESSEE:

KAUAI VEHICLE SERVICE CENTER, INC.

SODERHOLM SALES & LEASING, INC.

By 

Its President

By 

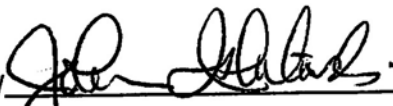
Its Vice-President

CERTIFICATION

The undersigned KAUAI VEHICLE SERVICE CENTER, INC. A Hawaii corporation hereby certifies under penalties of perjury that the Leased Premises described and defined in that certain Lease and Service Agreement, dated as of January 1, 2011, by and between said KAUAI VEHICLE SERVICE CENTER, INC., a Hawaii corporation, and SODERHOLM SALES AND LEASING, INC., a Hawaii corporation, a true and correct copy of which is attached hereto, are being leased and are located in a business zone.

DATED: Lihue, Hawaii JAN 3, 2011

KAUAI VEHICLE SERVICE CENTER, INC.

By 
Its President

General License

License ID

RD-4134

Legal License Name

KAUAI VEHICLE SERVICE CENTER INC

Status

CURRENT, VALID & IN GOOD STANDING

Entity Type

CORPORATION

Active/Inactive

ACTIVE

Original License Date

12/01/2010

Expiration Date

06/30/2023

Restriction

--

Trade/Professional Name

--

Special Privilege

--

Conditions & Limitations

--

Class Prefix

--

Business Code

--

Educational Code


--

Business Address

3124 PELEKE ST, LIHUE, HI, 96766

Other Business/Person/DBA Names

 Records Per Page

 Columns to Show

Search:

Filter...

Name

Effective Date

Termination Date

NO DATA AVAILABLE IN TABLE

Showing 0 to 0 of 0 entries

Previous

Next

 Employees List

General License

License ID

MC-5920

License Type

CERTIFIED MECHANIC

Legal License Name

JOHN K ISHIBASHI

Status

CURRENT, VALID & IN GOOD STANDING

Entity Type

INDIVIDUAL

Active/Inactive

ACTIVE

Original License Date

07/01/1987

Expiration Date

06/30/2023

Restriction

--

Trade/Professional Name

--

Special Privilege

--

Conditions & Limitations

--

Class Prefix

--

Business Code

--

Educational Code

--

Business Address

--

Other Business/Person/DBA Names

 Records Per Page Columns to Show

Search:

Name	Effective Date	Termination Date
NO DATA AVAILABLE IN TABLE		

Showing 0 to 0 of 0 entries

[Previous](#) [Next](#) [Employees List](#)

Employees

Employee Name	Position	Position Status	License ID	License Status	Effective Date
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☰ Employers List

Employers

Employer Name	Position	License ID	License Status	Effective Date
KAUAI VEHICLE SERVICE CENTER INC	CERTIFIED MECHANIC	RD-4134 (/PUBLIC-LICENSE-DETAILS?LICENSEID=RD-4134-0)	CURRENT, VALID & IN GOOD STANDING	10/14/2021

☔ Insurance/Bond

Insurance/Bond

Insurance Type	Effective	Term Date	Cancel Date	Policy #	Surety	Amount
----------------	-----------	-----------	-------------	----------	--------	--------

★ License Class

License Classes

Class Code	Class Type	Effective	Restricted	Status
A1 ENGINE REPAIR	ENGINE REPAIR	03/02/1994	NO	CURRENT, VALID & IN GOOD STANDING
A2 AUTOMATIC TRANSMISSION/TRANSAXLE	AUTOMATIC TRANSMISSION/TRANSAXLE	03/02/1994	NO	CURRENT, VALID & IN GOOD STANDING
A3 MANUAL DRIVE TRAIN AND AXLES	MANUAL DRIVE TRAIN AND AXLES	03/02/1994	NO	CURRENT, VALID & IN GOOD STANDING
A8 ENGINE PERFORMANCE	ENGINE PERFORMANCE	03/02/1994	NO	CURRENT, VALID & IN GOOD STANDING
A5 BRAKES	BRAKES	03/02/1994	NO	CURRENT, VALID & IN GOOD STANDING
A6 ELECTRICAL/ELECTRONIC SYSTEMS	ELECTRICAL/ELECTRONIC SYSTEMS	03/02/1994	NO	CURRENT, VALID & IN GOOD STANDING
A7 HEATING AND AIR CONDITIONING	HEATING AND AIR CONDITIONING	03/02/1994	NO	CURRENT, VALID & IN GOOD STANDING
A4 SUSPENSION AND STEERING	SUSPENSION AND STEERING	03/02/1994	NO	CURRENT, VALID & IN GOOD STANDING

LICENSE INFORMATION ON THIS SITE REFLECTS INFORMATION IN THE PROFESSIONAL AND VOCATIONAL LICENSING DIVISION AS OF FEBRUARY 9, 2022; HOWEVER, APPLICATIONS AND FORMS ARE SUBJECT TO STANDARD PROCESSING TIME, AND THE INFORMATION HERE DOES NOT REFLECT PENDING CHANGES WHICH ARE BEING REVIEWED. THE SITE IS UPDATED DAILY, MONDAY THROUGH FRIDAY, EXCEPT HOLIDAYS.

THE STATE OF HAWAII MAKES NO GUARANTEES AS TO THE ACCURACY OF THE INFORMATION ACCESSED, THE TIMELINESS OF THE DELIVERY OF TRANSACTIONS, DELIVERY TO THE CORRECT PARTY, PRESERVATION OF THE PRIVACY AND SECURITY OF USERS AND MAKES NO WARRANTIES, INCLUDING WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE DCCA/PVL WEB SITE RECEIVES THE DCCA/PVL LICENSEE INFORMATION DIRECTLY FROM THE DCCA/PVL LICENSEE DATABASE. THE DCCA/PVL WEB SITE IS CONSIDERED A PRIMARY SOURCE FOR DCCA/PVL LICENSEE INFORMATION



ASE Certification Status

Ishibashi, John

Created: February 08, 2022

Lihue, HI 96766

8:30:21 PM

ASE ID: ASE-1114-5520

This individual currently has the ASE certification status shown below:



Current ASE Designations

Certificates
Automobile Technician

ASE Certification Details

Test	Description	Expiration	Status
A1R	Engine Repair Recert	06/30/2026	Current
A2R	Automatic Transmission/Transaxle Recert	06/30/2026	Current
A3R	Manual Drive Train & Axles Recert	06/30/2026	Current
A4R	Suspension & Steering Recert	06/30/2026	Current
A5R	Brakes Recert	06/30/2026	Current
A6R	Electrical/Electronic Systems Recert	06/30/2021	Expired
A7R	Heating & Air Conditioning Recert	06/30/2026	Current
A8R	Engine Performance Recert	06/30/2026	Current

To become ASE certified, you must pass an ASE test and have the required amount of relevant hands-on work experience. Refer to the ASE Work Experience Requirements Important Information section for details or submit the ASE Work

Experience Form at <https://workexp.ase.com>.

An expired certification can be reinstated by taking and passing the corresponding recertification test. Please contact us if you have any questions.

LEASE AND SERVICE AGREEMENT

This Lease and Service Agreement ("Lease") is made and entered into as of the 1st day of December, 2018, by and between TRUCK SHOP MAUI LLC, a Hawaii corporation ("Lessor"), and SODERHOLM SALES AND LEASING, INC., a Hawaii corporation ("Lessee").

RECITALS

- A. Lessor is the owner of a leasehold interest in a certain parcel of real property, together with improvements thereon, shown on Exhibit "A" attached hereto and made a part hereof, consisting of approximately 3000 square feet, located at 1188 Lower Main Street, Wailuku, HI 96793.
- B. Lessor has the right and desires to lease a portion of the Lot consisting of approximately 300 square feet consisting of three (3) parking stalls, measuring 10' by 20', located at the section of the Lot blacked out and indicated on Exhibit "A" hereto, (referred to as the "Leased Premises") to Lessee, and Lessee desires to lease the Leased Premises from Lessor, for the purpose of conducting Lessee's bus dealership business.
- C. Lessee is and will remain during the term of this agreement the dealer in Hawaii for ElDorado National Co. (ENC), Champion, Collins, Arboc buses, Transit Works, Braun, VMI, REVAbility vans; Ricon and Braun wheelchair lifts.
- D. Lessor is and will remain during the term of this agreement a Ricon and Braun wheelchair lift parts, service and warranty center.
- E. Lessor is and will remain during the term of this agreement a State of Hawaii licensed repair dealer with repair Dealer License No. RD#4273

NOW, THEREFORE, in consideration of the mutual covenants contained herein, Lessor and Lessee agree as follows:

SECTION 1. LEASE AND TERM

- a) Lessor shall lease to Lessee, and Lessee shall lease from Lessor, the Leased Premises on the terms and conditions contained in this Lease. During the Term and, if applicable, the Additional Term, Lessor shall provide Lessee the use of, and Lessee shall be entitled to use, a desk in the building located at the Lot, the telephone presently located on said desk with the telephone number 868-4809 and the toilet facilities located at the Leased Premises.
- b) The term of this lease (the "Term") shall be for a period of twelve (12) months, commencing on January 1, 2019, and ending on December 31, 2019, unless otherwise terminated or extended as provided in this Lease.

- c) The lease Term will be automatically extended on an annual basis unless Lessor delivers written notice the lease is being terminated. Subject to the rental adjustment provisions of Section 2(b) hereof, all terms, and provisions of this Lease shall remain in full force and effect for the Additional Term.

SECTION 2. RENT

- a) During the Term, Lessee shall pay Lessor basic rent (the "Basic Rent") for all of the Leased Premises in an amount equal to one hundred dollars (\$100.00) for twelve months, payable in advance on the first day of the Term.
- b) During the Term, Lessee shall pay Lessor, except for the Lessee's private and customer vehicles, additional rent (the "Additional Rent") in an amount equal to the sum of ten dollars (\$10.00) per day in excess of seven (7) days that Lessee stores any given bus at the Leased Premises in connection with service preparation work performed or to be performed on such bus as described in Section 13 hereof, (ii) ten dollars (\$10.00) per day for each day in excess of seven (7) days in any given calendar month that Lessee stores a demonstration bus on the Leased Premises, and (iii) all costs and charges, including, without limitation, all toll charges, incurred in connection with or by reason of Lessee's use of the Telephone. Lessee shall pay Rent within fifteen (15) days after its receipt from Lessor of a statement and accounting for such Rent incurred. Lessor shall prepare and deliver to Lessee said statement and accounting with respect to each calendar month during the Term within ten (10) days after the last day of said calendar month.
- c) Basic Rent and Additional Rent during the Additional Term shall be an amount determined by agreement of Lessor and Lessee within thirty (30) days after Lessor's receipt of Lessee's Extension Notice pursuant to Section 1(c) hereof. If Lessor and Lessee agree on the Basic Rent and Additional Rent for the Additional Term within thirty (30) days after Lessor's receipt of such Extension Notice, Lessee and Lessor shall immediately execute an amendment to this Lease stating the agreed upon Basic Rent and Additional Rent for such Additional Term. If Lessor and Lessee are unable to agree on such Rent within thirty (30) days after Lessor's receipt of such Extension Notice, Lessee and Lessor shall terminate at the end of the term.
- d) Lessee shall deliver each payment of Basic Rent and Additional Rent to Lessor at the address specified for Lessor in Section 16 hereof or at such other place or places as Lessor may designate by written notice.

SECTION 3. DEPOSIT.

Prior to taking possession of the Leased Premises, Lessee shall deposit with Lessor the sum of one hundred dollars (\$100.00) to be held by Lessor as a security deposit (the "Security Deposit") for the faithful performance by Lessee of its obligations under this Lease. Lessor shall return to Lessee, without interest, the balance, if any, of the Security Deposit, less all charges for Basic Rent and Additional Rent due under this Lease or necessary to compensate Lessor for Lessee's breach of this Lease, promptly after Lessee vacates the Leased Premises. Lessee shall not deduct the amount of the Security Deposit from Basic Rent and Additional Rent or other payments that may be due hereunder and Lessor's right to regain possession of the Leased Premises for nonpayment of any such amounts shall not be affected by the fact Lessor holds Security Deposit.

SECTION 4. LATE FEES.

If any payment to be made by Lessee to Lessor pursuant to the terms of this Lease is not made within ten (10) days after the due date for said payment, Lessee shall, at Lessor's discretion and in addition to said payment, pay a service charge of twelve percent (12%) of the amount of said payment.

SECTION 5. USE OF LEASED PREMISES.

The Leased Premises shall be used for the purpose of storing, preparing, servicing and selling buses and similar specialty vehicles in connection with the operation of Lessee's bus dealership business by Lessee. Lessor understands that such use is permitted under all applicable laws, statutes, ordinances, rules and regulations. Notwithstanding anything to the contrary contained herein, if Lessee is prohibited or enjoined from operation of such bus dealerships business, Lessee may terminate this Lease upon thirty (30) days' prior written notice to Lessor.

SECTION 6. RESTRICTIONS OF USE

Lessee shall not commit or permit the commission of any acts on the Leased Premises, nor use or permit the use of the Leased Premises, in any way that:

- a) Will increase the existing rates for or cause cancellation of any fire, casualty, liability or other insurance policy insuring the Leased Premises or its contents;
- b) Violates or conflicts with any law, statute, ordinance or governmental rule or regulation, whether now in force or hereafter enacted, governing the Leased Premises;
- c) Unreasonably obstructs or interferes with the rights of other tenants or occupants of the Leased Premises or injuries or annoys them; or

- d) Constitutes the commission of waste on the Leased Premises or the commission or maintenance of a nuisance.

SECTION 7. ALTERATIONS.

Lessee shall not make any alterations to the leased Premises without the written consent of Lessor. If Lessor consents to the making of any alterations to the Leased Premises, such alterations shall be made at the sole cost and expense of Lessee by a contractor or other person selected by Lessee and approved in writing by Lessor before the Leased Premises shall become the property of Lessor and remain on the Leased Premises upon termination of this Lease; provided, sixty (60) days prior to the expiration of the Term or the Additional Term, as the case maybe, Lessee shall upon termination of this Lease, at Lessee's sole cost and expense, remove all alterations, additions and improvement made to the Leased Premises by the Lessee and pay all costs of repairing any damage to the Leased Premises caused by their removal.

SECTION 8. MAINTENANCE.

Lessee agrees that as of the date of this Lease as first set forth above the Leased Premises are in a good, clean and safe condition and repair. Lessee shall, at all times during the term and, if applicable, the Additional Term, to the extent attributable to its use thereof, maintain the Leased Premises in a good, clean and safe condition and shall, upon the termination of this Lease, surrender the Leased Premises to Lessor in as good condition and repair as they are in on the date of this Lease, reasonable wear and tear expected. Lessee waives any right to make repairs to the Leased Premise at the expense of Lessor as provided by any law or statute now or hereafter enacted.

SECTION 9. LESSOR'S INSPECTION OF LEASED PREMISES.

Lessee shall permit Lessor to enter the Leased Premises at all reasonable times for the purpose of inspecting the Leased Premises to determine whether Lessee is complying with the terms of this Lease and for the purpose of doing other lawful acts that may be necessary to protect Lessor's interest in the Leased Premises under this Lease.

SECTION 10. UTILITIES, MAINTENANCE FEE, ETC.

On or before the fifteenth (15th) day of each calendar month during the term and, if applicable, the Additional Term, and subject to receiving a statement and accounting from Lessor as described in the next sentence of this Section 10, Lessee's use of the Telephone. Lessor shall prepare and deliver to Lessee a statement and accounting of such charges with respect to each such calendar month within ten (10) days after the last day of such month.

SECTION 11. ASSIGNMENT AND SUBLETTING.

Lessee shall neither encumber, assign, sublet nor otherwise transfer this Lease, any right or interest in this Lease, or any right or interest in the Leased Premises, nor shall Lessee sublet the Leased Premises, without the prior written consent of the Lessor. Any such

encumbrance, assignment, transfer, or subletting without the prior written consent of Lessor, whether it be voluntary, by operation of law or otherwise, is void and shall, at the option of Lessor, terminate this Lease.

SECTION 12. INDEMNIFICATION.

- (a) Lessee shall indemnify and hold Lessor and the property of Lessor, including the Leased Premises, free and harmless from any and all liabilities, claims, losses, damages or expenses, including reasonable attorneys' fees and costs, arising by reason of death or injury of any person including Lessee, or by reason of damage to or destruction of any property, including property owned by Lessee or any person who is an employee, agent or invitee of Lessee, caused or allegedly caused by:
1. Any cause within the control of Lessee or any person who is an employee, agent or invitee of Lessee, whatsoever while such person or property is in or on the Leased Premises or in any way connected with the Leased Premises or with any personal property on the Leased Premises;
 2. Some condition of the Leased Premises caused by Lessee or any person who is an employee, agent or invitee of Lessee;
 3. Some act or omission on the Leased Premises of Lessee or any person who is an employee, agent or invitee of Lessee, on or about the Leased Premises with permission of Lessee; or
 4. Any matter connected with Lessee's occupation an use of the Leased Premises to the extent it is under Lessee's control bvided, however that Lessee shall not be obligated to indemnify Lessor or its property hereunder for any such liabilities, claims, losses, damages or expenses to the extent the same are attributable to the gross negligence or willful misconduct to Lessor or its employees, agents or representatives.
- b) Lessor shall indemnify and hold Lessee and the property of Lessee free and harmless from any and all liabilities, claims, losses, damages or expenses, including reasonable attorneys' fees and costs, arising be son of the death or injury of any person, including Lessor or any person who is an employee, agent or invitee of Lessor, or by reason of damage to or destruction of any property, including property owned by Lessor or any person who is an employee, agent or invitee of Lessor, caused or allegedly caused by:
- 1) Any cause within the control of Lessor or any person who is an employee, agent or invitee of Lessor, whatsoever while such person or property is in or on the Leased Premises or in any way connected with the Leased Premises or with any personal property on the Leased Premises;

- 2) Some condition of the Leased Premises caused by Lessor or any person who is an employee, agent or invitee of Lessor;
- 3) Some act or omission on the Leased Premises of Lessor or any person who is an employee, agent or invitee of Lessor, on or about the Leased Premises with permission of Lessor; or
- 4) Any matter connected with Lessor's occupation an use of the Leased Premises to the extent it is under Lessor's control. Provided, however, that Lessor shall not be obligated to indemnify Lessee or its property hereunder for any such liabilities, claims, losses, damages or expenses to the extent the same are attributable to the gross negligence or willful misconduct to Lessee or its employees, agents or representatives.

SECTION 13. WARRANTY, PARTS AND SERVICE.

- (a) Lessee hereby appoints Lessor, effective January 1, 2019, as an authorized warranty, parts and service center for the island of Maui for EIDorado National Co. (ENC), Champion, Collins, Arboc buses, Transit Works, Braun, VMI, REVAbility vans.
- (b) Lessor shall perform preparation work ("Prep Work") on buses on behalf of, and as requested from time to time, by Lessee. Prep Work to be performed by Lessor with respect to any given bus shall consist of such of the items set forth in Exhibit "B" attached hereto and made a part hereof, as said Exhibit "B" may from time to time be revised by the relevant bus manufacturer, as Lessee indicates in writing to Lessor are to be and are actually performed with respect to each such bus. Lessee shall pay Lessor a fee (the "Prep Work Fee") for such Prep Work in the amount of seven hundred fifty dollars (\$750.00), per bus. Lessee shall pay the Prep Work Fee within fifteen (15) days after receiving a statement therefor from Lessor.
- (c) Without limiting Lessor's obligations under this Lease, Lessor shall provide efficient, courteous and quality service to owners and users of Vehicles when requested to provide service. Lessor's service obligations include (i) the completion of Prep Work including the inspection and adjustments on each new Vehicle and verification of inspection and adjustment on forms provided by Lessee, (ii) required warranty repairs and special policy adjustments that are approved by ENC, (iii) campaign inspections and corrections directed by ENC to find and correct suspected unsatisfactory conditions and (iv) requested service work for ENC operators.
- (d) The current warranty hourly rate is seventy five to one hundred (\$75-\$100) depending upon manufacturer, dollars per hour. The current Lessor non-warranty service rate is ninety (\$90.00) dollars per hour, which is subject to change at the sole discretion of Lessor.

- (e) Lessee shall provide Lessor free of charge all necessary workshop manuals and wiring diagrams for ENC vehicles.
- (f) Lessor is authorized to buy parts directly from lessee at fleet price.
- (g) Lessor may purchase any Ricon or Braun wheelchair lifts at thirty-five percent (35%) off list price plus freight and ½% tax. Any stock parts purchases over \$1,000, Lessee will provide free freight.
- (h) Lessee will pay \$1,000 to the Lessor for any referral of a bus or van sale where Lessee completes the sale of the bus or van based on the referral.
- (i) Lessee will pay \$225.00 per day to rent a stall for a Lessee tech to complete a Mobility Install which will include 20 minutes of Lessor tech time to assist from time to time.
- (j) Lessor will allow the storage & display from time to time a van or a small bus.
- (k) Lessee will include at no cost, Lessor techs in training for Ford, Chevy, Braun, Ricon, ACT & ProAir A/C, bus & van body electrical etc.

SECTION 14. ADVERTISING.

Lessee may use Lessor's name in Lessee's advertisements, subject to Lessor's prior review and approval of the same. Lessor shall be named as the authorized warranty, parts and service center for Lessee for the island of Maui. Lessee shall pay all costs of such advertisements.

SECTION 15. DEFAULT AND BREACH.

- (a) Lessee shall be in default under this lease if:
 - 1) Lessee fails to pay Basic Rent or Additional Rent or to make any other payment of money as herein required when due for a period of ten(10) days after written demand from Lessor to cure such failure;
 - 2) Lessee fails to perform any other provision, covenant or condition of this Lease and such failure conditions for thirty (30) days after written notice from Lessor to cure such failure;
 - 3) Lessee breaches this Lease and abandons the Leased Premises before expiration of the Term or, if applicable, the Additional Term of this Lease;
 - 4) A receiver is appointed to take possession of all or substantially all of the Lessee's property and is not discharged within thirty (30) days after his appointment;

- 5) lessee makes a general assignment for the benefit of creditors; or
- 6) Execution or attachment is levied on all or substantially all of Lessee's property and assets and is not discharged within thirty (30) days.

(b) Lessor shall be in default under this Lease for any material breach of the provisions of this Lease.

SECTION 16. LESSOR'S REMEDIES.

If Lessee is in default under this Lease as defined in Section 14 hereof, Lessor, in addition to any other remedies available to Lessor by law or equity, may reenter and take possession of the Leased Premises and remove all persons and property therefrom and, at its option, terminate this Lease. If Lessor elects to reenter and take possession of the leased premises but not to terminate this Lease, Lessee shall pay, upon Lessor's demand, the cost of recovering possession, including reasonable attorneys' fees, the cost of relating the Leased Premises and any deficiency in the Rent owed by Lessee hereunder.

SECTION 17. NOTICES.

Except as otherwise expressly provided by law, any and all notices or other communications required or permitted by this Lease or by law to be served or given to either party by the other party shall be in writing and shall be deemed duly served and given when either personally delivered or transmitted by facsimile to the party to whom it is directed or to the managing employee of such party or, in lieu of such personal service, one (1) day after being deposited in the mail, first class postage prepaid, addressed to Lessor at 1188 Lower Main Street Wailuku, HI 96793, Facsimile number (808) 868-4809 or to Lessee at P.O. Box 19010, Honolulu, Hawaii 96819 (Facsimile No. (808) 834-1070), as the case may be. Either party may change their facsimile number or mailing address for the purpose of this Section 16 by giving written notice of the change to the other party in the manner provided in this Section 16.

SECTION 19. ATTORNEYS' FEES.

If any litigation is commenced by one party hereto against the other party concerning the Leased Premises, this Lease or the rights and duties of any party hereto under this Lease, the prevailing party shall be entitled to recover its costs and reasonable attorneys' fees from the other party.

SECTION 20. BINDING EFFECT

This Lease shall be binding on and shall inure to the benefit of the successors and assigns of the parties hereto, but nothing in this Section 20 shall be construed as a consent by Lessor to any assignment of this Lease or any interest therein by Lessee except as provided in Section 11 hereof.

SECTION 21. TIME.

Time is expressly declared to be of the essence of this Lease.

SECTION 22. WAIVER.

The waiver by any party hereto of any breach of any of the provisions of this lease by the other party shall not constitute a continuing waiver or a waiver of any subsequent breach by said other provision of this Lease.

SECTION 23. GOVERNING LAW.

This Lease shall be governed by and construed in accordance with the laws of the State of Hawaii.

IN WITNESS WHEREOF, Lessor and Lessee hereto have caused this Lease to be executed and delivered as of the date first above written.

LESSOR:

TRUCK SHOP MAUI LLC

By 

Steven Yamasaka

Title: President

LESSEE:

SODERHOLM SALES & LEASING, INC.

By 

R. Erik Soderholm

Title: Vice-President

General License

License ID

RD-4273

License Type

MOTOR VEHICLE REPAIR DEALER

Legal License Name

TRUCK SHOP MAUI LLC

Status

CURRENT, VALID & IN GOOD STANDING

Entity Type

ORGANIZATION (LLC)

Active/Inactive

ACTIVE

Original License Date

08/05/2014

Expiration Date

06/30/2023

Restriction

--

Trade/Professional Name

--

Special Privilege

--

Conditions & Limitations

--

Class Prefix

--

Business Code

--

Educational Code

--

Business Address

1188 LOWER MAIN ST, WAILUKU, HI, 96793

Other Business/Person/DBA Names

 Records Per Page Columns to Show

Search:

Name	Effective Date	Termination Date
NO DATA AVAILABLE IN TABLE		

Showing 0 to 0 of 0 entries

[Previous](#) [Next](#) [Employees List](#)

Employees

Employee Name	Position	Position Status	License ID	License Status	Effective Date
SEAN F GREEN	CERTIFIED MECHANIC		MC-8649 (/PUBLIC-LICENSE-DETAILS?LICENSEID=MC-8649-0)	CURRENT, VALID & IN GOOD STANDING	06/17/2019
STEVEN ALLEN YAMASAKI	REGISTERED MECHANIC	DESIGNATED	MR-1926 (/PUBLIC-LICENSE-DETAILS?LICENSEID=MR-1926-0)	CURRENT, VALID & IN GOOD STANDING	08/05/2014

Employers List

Employers

Employer Name	Position	License ID	License Status	Effective Date
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Insurance/Bond

Insurance/Bond

Insurance Type	Effective	Term Date	Cancel Date	Policy #	Surety	Amount
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License Class

License Classes

Class Code	Class Type	Effective	Restricted	Status
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LICENSE INFORMATION ON THIS SITE REFLECTS INFORMATION IN THE PROFESSIONAL AND VOCATIONAL LICENSING DIVISION AS OF FEBRUARY 8, 2022; HOWEVER, APPLICATIONS AND FORMS ARE SUBJECT TO STANDARD PROCESSING TIME, AND THE INFORMATION HERE DOES NOT REFLECT PENDING CHANGES WHICH ARE BEING REVIEWED. THE SITE IS UPDATED DAILY, MONDAY THROUGH FRIDAY, EXCEPT HOLIDAYS.

THE STATE OF HAWAII MAKES NO GUARANTEES AS TO THE ACCURACY OF THE INFORMATION ACCESSED, THE TIMELINESS OF THE DELIVERY OF TRANSACTIONS, DELIVERY TO THE CORRECT PARTY, PRESERVATION OF THE PRIVACY AND SECURITY OF USERS AND MAKES NO WARRANTIES, INCLUDING WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE DCCA/PVL WEB SITE RECEIVES THE DCCA/PVL LICENSEE INFORMATION DIRECTLY FROM THE DCCA/PVL LICENSEE DATABASE. THE DCCA/PVL WEB SITE IS CONSIDERED A PRIMARY SOURCE FOR DCCA/PVL LICENSEE INFORMATION – IT IS THE SAME LICENSEE INFORMATION THE DCCA/PVL PROVIDES THROUGH OTHER MEANS AND IS TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE. USER IS ADVISED THAT IF THE INFORMATION OBTAINED HEREIN IS TO BE REASONABLY RELIED UPON, USER SHOULD CONFIRM THE ACCURACY OF SUCH INFORMATION WITH THE PROVIDER THEREOF.

General License

License ID

MC-8649

License Type

CERTIFIED MECHANIC

Legal License Name

SEAN F GREEN

Status

CURRENT, VALID & IN GOOD STANDING

Entity Type

INDIVIDUAL

Active/Inactive

ACTIVE

Original License Date

08/07/2014

Expiration Date

06/30/2023

Restriction

--

Trade/Professional Name

--

Special Privilege

--

Conditions & Limitations

--

Class Prefix

--

Business Code

--

Educational Code

--

Business Address

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Other Business/Person/DBA Names

 Records Per Page Columns to ShowSearch:

Name	Effective Date	Termination Date
NO DATA AVAILABLE IN TABLE		

Showing 0 to 0 of 0 entries

[Previous](#) [Next](#) [Employees List](#)

Employees

Employee Name	Position	Position Status	License ID	License Status	Effective Date
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☰ Employers List

Employers

Employer Name	Position	License ID	License Status	Effective Date
TRUCK SHOP MAUI LLC	CERTIFIED MECHANIC	RD-4273 (/PUBLIC-LICENSE-DETAILS?LICENSEID=RD-4273-0)	CURRENT, VALID & IN GOOD STANDING	06/17/2019

☂ Insurance/Bond

Insurance/Bond

Insurance Type	Effective	Term Date	Cancel Date	Policy #	Surety	Amount
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★ License Class

License Classes

Class Code	Class Type	Effective	Restricted	Status
T1 GASOLINE ENGINES	GASOLINE ENGINES	08/07/2014	NO	CURRENT, VALID & IN GOOD STANDING
T2 DIESEL ENGINES	DIESEL ENGINES	08/07/2014	NO	CURRENT, VALID & IN GOOD STANDING
T3 DRIVE TRAIN	DRIVE TRAIN	08/07/2014	NO	CURRENT, VALID & IN GOOD STANDING
T7 HEATING, VENTILATION, AND AIR CONDITIONING	HEATING, VENTILATION, AND AIR CONDITIONING	08/07/2014	NO	CURRENT, VALID & IN GOOD STANDING
T5 SUSPENSION AND STEERING	SUSPENSION AND STEERING	08/07/2014	NO	CURRENT, VALID & IN GOOD STANDING
T6 ELECTRICAL/ELECTRONIC SYSTEMS	ELECTRICAL/ELECTRONIC SYSTEMS	08/07/2014	NO	CURRENT, VALID & IN GOOD STANDING
T4 BRAKES	BRAKES	08/07/2014	NO	CURRENT, VALID & IN GOOD STANDING

LICENSE INFORMATION ON THIS SITE REFLECTS INFORMATION IN THE PROFESSIONAL AND VOCATIONAL LICENSING DIVISION AS OF FEBRUARY 9, 2022; HOWEVER, APPLICATIONS AND FORMS ARE SUBJECT TO STANDARD PROCESSING TIME, AND THE INFORMATION HERE DOES NOT REFLECT PENDING CHANGES WHICH ARE BEING REVIEWED. THE SITE IS UPDATED DAILY, MONDAY THROUGH FRIDAY, EXCEPT HOLIDAYS.

THE STATE OF HAWAII MAKES NO GUARANTEES AS TO THE ACCURACY OF THE INFORMATION ACCESSED, THE TIMELINESS OF THE DELIVERY OF TRANSACTIONS, DELIVERY TO THE CORRECT PARTY, PRESERVATION OF THE PRIVACY AND SECURITY OF USERS AND MAKES NO WARRANTIES, INCLUDING WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE DCCA/PVL WEB SITE RECEIVES THE DCCA/PVL LICENSEE INFORMATION DIRECTLY FROM THE DCCA/PVL LICENSEE DATABASE. THE DCCA/PVL WEB SITE IS CONSIDERED A PRIMARY SOURCE FOR DCCA/PVL LICENSEE INFORMATION – IT IS THE SAME LICENSEE INFORMATION THE DCCA/PVL PROVIDES THROUGH OTHER MEANS AND IS TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE. USER IS ADVISED THAT IF THE INFORMATION OBTAINED HEREIN IS TO BE REASONABLY RELIED UPON, USER SHOULD CONFIRM THE ACCURACY OF SUCH INFORMATION WITH THE PROVIDER THEREOF.



ASE Certification Status

Green, Sean

Created: December 09, 2020

Kahului, HI 96733-0776

12:34:49 PM

ASE ID: ASE-1564-0629

This individual currently has the ASE certification status shown below:



Current ASE Designations

Certificates

Master Medium/Heavy Truck Technician

ASE Certification Details

Test	Description	Expiration Date	Status
T1	Gasoline Engines Recert	12/31/2025	Current
T7	Heating Ventilation & Air Conditioning Recert	12/31/2025	Current
T3	Drive Train Recert	06/30/2024	Current
T4	Brakes Recert	06/30/2024	Current
T5	Suspension & Steering Recert	06/30/2024	Current
T6	Electrical/Electronic Systems Recert	06/30/2024	Current
T8	Preventive Maintenance & Inspection (PMI) Recert	06/30/2024	Current
T2	Diesel Engines Recert	12/31/2023	Current

To become ASE certified, you must pass an ASE test and have the required amount of relevant hands-on work experience. You can download the Work Experience form at www.ase.com/expform

Any expired certification can be reinstated by taking the corresponding recertification test. If you have any questions, please contact us.



CONSUMER MOBILITY RETAILER AGREEMENT

This Consumer Mobility Retailer Agreement (this “Agreement”) is entered into between The Braun Corporation (“BraunAbility”) and the Mobility Retailer identified below (“Mobility Retailer”). BraunAbility appoints Mobility Retailer as an authorized BraunAbility Mobility Retailer in accordance with the terms of this Agreement at the Authorized Location listed below. Mobility Retailer shall have the right to purchase BraunAbility Products (defined as BraunAbility conversions and parts associated with the conversions), for the purpose of resale to a retail end user ("User") only, with the exception of trades among authorized BraunAbility Mobility Retailers. The term of this Agreement shall be January 1, 2022, through December 31, 2023.

Mobility Retailer Information:

Mobility Retailer Corporate Name	Soderholm Sales and Leasing, Inc.		
Mobility Retailer d/b/a Name	Soderholm Bus & Mobility		
Retailer Number	19289HONOL		
Telephone	808-834-1417		
Fax	808-834-1070		
Email	denise@soderholmbus.com		
Authorized Location			
Street Address	2044 Dillingham Blvd		
City	Honolulu		
State	HI	Zip Code	96817

Mobility Retailer Owner(s): List all individuals and entities with any ownership interest, including all owners of entity owners. (Attach additional pages if necessary.)

Name	Ownership Percentage
Denise L Soderholm	51
R. Erik Soderholm	49

1. Definitions.

- (a) **Eligible Units.** Eligible Units are defined for purposes of measuring Mobility Retailer's performance as hereafter provided. "Eligible Units" shall mean BraunAbility conversions sold by Mobility Retailer to Users that are: (1) consumer conversions for personal use and that are primarily operated by the vehicle's owner for personal, family or recreational purposes; and (2) private commercial conversions that are primarily operated by nursing homes, rehabilitation centers or similar businesses. For purposes of clarity, an Eligible Unit only consists of a new or used vehicle with a new BraunAbility conversion. The following shall not be considered an Eligible Unit: (1) the sale of a used BraunAbility conversion; (2) Units invoiced to Mobility Retailer under bid, taxi or commercial sales categories. In the event Mobility Retailer is not clear if a sale is of an Eligible Unit, Mobility Retailer should seek confirmation from BraunAbility prior to making the proposed sale. BraunAbility products complimentary to BraunAbility conversions are not considered Eligible Units.
- (b) **Primary Market Area.** Mobility Retailer is assigned a nonexclusive geographic area which shall be designated as the initial Primary Market Area ("PMA") for the purposes set forth herein. The Mobility Retailer's PMA under this agreement is set forth in Exhibit A. BraunAbility reserves the right to modify the PMA from time to time based upon changes in store locations and updates to the market demographic profile. .
- (c) **Lender.** A Lender is private group or financial institution that makes funds available for financial transactions contemplated under this Agreement, such as for floorplan financing or for the purchase of Products by Users under Retail Installment Contracts, as the case may be.
- (d) **Retail Installment Contract.** A Retail Installment Contract is documentation that relates to a closed-end financing transaction under which a User agrees to purchase products from Mobility Retailer on credit and to make installment payments pursuant to a repayment schedule.
- (e) **Authorized Locations.** Authorized Locations are "brick and mortar" retail stores owned and operated by the Mobility Retailer that (i) meet all reasonable requirements set from time to time by BraunAbility, including the requirements in Section 3 herein and (ii) are expressly set forth in the "Authorized Location" box in the Mobility Retailer Information section located on page 1 of this Agreement.
- (f) **BraunAbility Products.** BraunAbility Products are defined as Eligible Units.

2. Scope of Relationship.

- (a) **In General.** BraunAbility installs conversions onto new and used motor vehicles and sells the converted vehicles to Mobility Retailers. All BraunAbility conversions are installed on an original equipment manufacturer vehicle ("OEM Vehicles") which are purchased new through an original equipment manufacturer franchise dealer ("OEM Dealers"), or on the preowned market. By virtue of the fact that BraunAbility and the Mobility Retailer do not sell new, untitled OEM vehicles, but only the BraunAbility conversions and certain other mobility equipment which can be installed on an OEM vehicle, the Mobility Retailer and BraunAbility agree that: i) this Agreement does not constitute a motor vehicle franchise agreement or motor vehicle dealer agreement as defined under state motor vehicle dealer and franchise laws regulating the relationships between motor vehicle dealers and motor vehicle manufacturers, distributors and importers; and ii) the relationship between them is not intended to be governed

by state motor vehicle dealer and franchise laws regulating the relationships between motor vehicle dealers and motor vehicle manufacturers, distributors and importers.

- (b) **No General Agency; Retail Installment Sales Contracts.** Mobility Retailer is an independent contractor to BraunAbility and not required to exclusively sell BraunAbility conversions. Mobility Retailer agrees that it shall transact its business on its own behalf and for its own account, except as provided in this Section. This Agreement does not create the relationship of principal and agent between BraunAbility and Mobility Retailer and neither party is to be considered the agent of the other unless set forth in a separate signed writing for a limited and specific purpose. However, BraunAbility hereby grants Mobility Retailer the limited authority to assign BraunAbility's interest in an Eligible Unit to an assignee of a Retail Installment Sales Contracts pertaining to that Eligible Units, provided that all of the following are met: (i) Mobility Retailer has or is delivering simultaneous to the assignment title to the Eligible Unit to the assignee of the Retail Installment Sales Contracts free and clear of all liens, security interests, encumbrances, (ii) Mobility Retailer has given, accurate and complete, the required credit and other information to the assignee of the Retail Installment Sales Contracts, (iii) Mobility Retailer has accurately and fully completed and delivered to the assignee of the Retail Installment Sales Contract all forms required by the assignee, and (4) the Retail Installment Sales Contracts and each document forming part of the contract transaction and all signatures thereon are complete, accurate and genuine and all documents forming part of the Retail Installment Sales Contract have been duly authorized and executed by each party obligated thereunder. Notwithstanding anything to the contrary herein, Mobility Retailer hereby appoints BraunAbility as its agent solely for the limited purpose of (i) entering into Retail Installment Contracts as the seller with Mobility Retailer's Users when the Lender financing the purchase under the Retail Installment Contract is a BraunAbility Finance partner and requires BraunAbility to enter into the Retail Installment Contract as seller or when it is otherwise reasonably necessary to do so to consummate the Retail Installment Contract, (ii) administering Retail Installment Contracts with Mobility Retailer's Users when financed by BraunAbility Finance partners, and (iii) assigning vehicle titles on behalf of Mobility Retailer for BraunAbility Eligible Units purchased by Mobility Retailer upon such vehicle being transferred by Mobility Retailer to another BraunAbility Mobility Retailer.
- (c) **No Franchise.** This Agreement does not create a franchise. Mobility Retailer agrees and warrants that it has paid no fee, nor has it provided any goods or services in lieu thereof, to BraunAbility in consideration of entering into this Agreement and that the sole consideration for BraunAbility entering into this Agreement was Mobility Retailer's ability, integrity, assurance of personal services and agreement to comply with the terms of this Agreement.

3. Authorized Location Requirements.

- (a) **Store and Showroom.** BraunAbility Products, including parts, will only be shipped to the Mobility Retailer's Authorized Location. Mobility Retailer shall ensure that the Authorized Location is appropriately equipped for the sale and service of BraunAbility Products, and that BraunAbility Products are displayed prominently. The Authorized Location will offer, at minimum, ADA compliant wheelchair accessibility in all areas throughout the premise's customers would access. The Authorized Location shall be reasonably modern, clean, and include an enclosed, climate controlled, indoor showroom, with sufficient area to display, and operate all the components of, one wheelchair accessible vehicle. A wheelchair accessible vehicle, which has been converted by BraunAbility, shall be displayed at all times in the indoor showroom. Such showroom display area for BraunAbility Products shall be separate or have a visual break from the display area(s) dedicated to any other products offered by Mobility

Retailer. Mobility Retailer warrants and represents to BraunAbility that the operation of a BraunAbility Mobility retail business at the Authorized Location, including but not limited to the display of BraunAbility Products and BraunAbility signage, does not violate any other contract or agreement that Mobility Retailer may have with any company that installs conversions on vehicles, manufacturer, distributor, importer or franchisor.

- (b) **Branding, Marketing, and Signage.** Mobility Retailer must comply with the BraunAbility Branding Resource Guide (available on the BraunAbility Dealer Portal under the Marketing tab). Mobility Retailer acknowledges that BraunAbility may change the BraunAbility Branding Resource Guide any time at its discretion and such change will not be considered an amendment to this Agreement. Mobility Retailer will market and sell BraunAbility Products and shall perform in accordance with BraunAbility sales goals, market penetration, marketing, signage, advertising, employee training, and customer satisfaction standards as are set forth herein and in policies, guides and manuals established and revised from time to time by BraunAbility. Mobility Retailer agrees to maintain, subject to local government regulations, BraunAbility signage as the most prominent signage, versus other companies that install conversions on vehicles, on the interior and exterior of the Authorized Location. In the event the Mobility Retailer's signage or other branding set forth on the audit checklist to the BraunAbility Branding Resource Guide does not meet the requirements of the BraunAbility Branding Resource Guide at the time this Agreement is executed, Mobility Retailer shall have thirty (30) days to bring its signage and other branding into compliance. The BraunAbility logo and branding shall be displayed throughout the Authorized Location and within Mobility Retailer's marketing and advertising materials in accordance with the BraunAbility Branding Resource Guide. Specifically, Mobility Retailer shall prominently display the BraunAbility brand at each of the following five customer touch points: (a) website home page; (b) building exterior; (c) entry door/reception area; (d) showroom area; and (e) customer waiting area. Compliance with signage requirements will be audited by an independent contractor. Mobility Retailer acknowledges and agrees to grant reasonable access to the Authorized Location during normal business hours to allow a 3rd party audit to ensure that the facility is in compliance. Mobility Retailer agrees to leave intact and in place all BraunAbility marketing branding that is applied at the factory on both the inside and outside of vehicles.
- (c) **Business Hours.** Mobility Retailer shall maintain regular business hours for the days and hours as is customary for retail businesses of a similar nature in the county where its Authorized Location is located.
- (d) **Relocation of Authorized Location; Additional Location.** Mobility Retailer may not relocate its Authorized Location, or add another BraunAbility sales or service location, without the prior written consent of BraunAbility. In acting on a request to relocate by Mobility Retailer, BraunAbility will use its best judgment, taking into account the location of other Mobility Retailers, the facility into which Mobility Retailer proposes to relocate, and other factors with respect to the proposed location and facility which influence Mobility Retailer's ability to comply with this Agreement. All BraunAbility Product sales must be made from a BraunAbility authorized location with a valid Consumer Mobility Retailer Agreement.

4. Mobility Retailer Floor Plan Financing and Insurance Requirements.

- (a) **Floor Plan Financing.** Mobility Retailer agrees to maintain and provide written proof to BraunAbility of floor plan financing from an authorized and licensed financial institution acceptable to BraunAbility for the purchase of BraunAbility conversions and the vehicles on which the conversions are installed, in an amount determined by BraunAbility necessary to

provide for an adequate inventory of BraunAbility conversions. The floor plan financing must be accessible to BraunAbility, through the electronic submission by BraunAbility to the floor plan Lender, to pay charges for BraunAbility conversions and the vehicles on which the conversions are installed which Mobility Retailer has ordered. The floor plan Lender must be authorized to pay such charges as they are received from BraunAbility, without approval from the Mobility Retailer, in order to pay for BraunAbility conversions and the vehicles on which the conversions are installed. Mobility Retailer hereby authorizes BraunAbility to release any credit, financial or other information on Mobility Retailer requested by the floor plan Lender to allow the floor plan Lender to make a determination to offer financing or to continue to provide financing to Mobility Retailer. Mobility Retailer hereby acknowledges and agrees that its floor plan Lender may release to BraunAbility any credit, financial or other information BraunAbility reasonably requests to allow BraunAbility to determine whether Mobility Retailer should remain an authorized Mobility Retailer. Although under no obligation to do so, in the event BraunAbility guarantees obligations of Mobility Retailer to a floor plan Lender and such guaranty is called, Mobility Retailer agrees that it will repay BraunAbility immediately upon a written demand from BraunAbility including the full amount that BraunAbility pays the floor plan Lender plus all collection costs, including attorney's fees incurred by BraunAbility. In the event that BraunAbility repurchases inventory from a floor plan Lender of Mobility Retailer, Mobility Retailer shall immediately upon written demand reimburse BraunAbility all costs and expenses actually incurred by BraunAbility in taking possession of such inventory, including but not limited to shipping and storage costs plus reasonable attorney's fees and court costs actually incurred. Mobility Retailer shall be liable to BraunAbility for any deficiency resulting from BraunAbility's subsequent disposition of any repurchased inventory.

- (b) **BraunAbility Recommended Floor Plan Provider.** BraunAbility has partnered with TCF Inventory Finance as the recommended mobility retailer floorplan provider. Mobility Retailer should contact their BraunAbility Area Sales Manager for details. Mobility Retailer's qualification for use of the TCF Inventory Finance floor plan is at the sole discretion of the floor plan provider.
- (c) **General Liability, Products Liability.** Mobility Retailer shall maintain occurrence based general liability insurance, including products and completed operations insurance covering bodily injury and property damage, with limits of one million dollars (\$1,000,000) each occurrence and two million dollars (\$2,000,000) annual aggregate.
- (d) **Garage Keepers.** Mobility Retailer shall maintain garage keepers and garage liability insurance in an amount sufficient to indemnify BraunAbility from any loss. Mobility Retailer shall name BraunAbility as an additional insured under all insurance coverages set forth in this Section. Mobility Retailer's insurance shall be primary and non-contributory with respect to any insurance coverage maintained by BraunAbility, and waiver of subrogation shall apply. Mobility Retailer shall provide a copy of the insurance policies to BraunAbility upon request.
- (e) **Open Lot Insurance.** Although not required to, BraunAbility currently participates in an open lot insurance program that provides open lot damage insurance for BraunAbility conversions, and the vehicles on which the conversions are installed and maintained on the Mobility Retailer's Authorized Location. To be eligible for coverage, the vehicles and conversions must be paid for by the Mobility Retailer's floor plan Lender. The open lot insurance program provides for the Mobility Retailer to pay the first one-hundred thousand dollars (\$100,000) of loss per occurrence per Authorized Location. Any remaining loss due to damage to eligible BraunAbility Products shall be covered by BraunAbility. Notwithstanding the amendment

provision in Section 17, BraunAbility may, upon notice to the Mobility Retailer, modify or terminate the open lot insurance program and either change or eliminate BraunAbility's obligation to pay for any loss in excess of one-hundred thousand dollars (\$100,000). For its share of open lot liability, Mobility Retailer shall provide a certificate of insurance for Open Lot Floor Plan inventory as required by BraunAbility and the approved floor plan Lender with "Loss Payee" noted upon request by BraunAbility. The form and content of the insurance must be approved by BraunAbility and Lender.

5. Inventory.

- (a) **Minimum Inventory Requirement.** Subject to availability from BraunAbility, Mobility Retailer will maintain at its Authorized Location the greater number of: (a) 40 days of sales inventory based on the Quarterly PMA Sales Target and calculated as follows: Quarterly PMA Sales Target/60 business days multiplied by 40 business days; or (b) three (3) new Eligible Units. All BraunAbility new conversions must be displayed at the Mobility Retailer's Authorized Location unless prior written approval is secured from BraunAbility. Mobility Retailer agrees to stock special types of BraunAbility conversions as defined by BraunAbility when deemed necessary by BraunAbility at its sole discretion.
- (b) **Supply of BraunAbility Products.** BraunAbility will endeavor to allocate BraunAbility Products in an equitable manner among its Mobility Retailers, however BraunAbility does not guaranty any minimum level of supply to Mobility Retailers.
- (c) **Pre-Delivery Inspection (PDI) Requirement.** Mobility Retailer shall immediately complete and submit to BraunAbility a pre-delivery inspection form upon receipt of all BraunAbility Products at the Authorized Location. Please refer to "Dealer Service Policy, Section 12" for PDI details (available on the BraunAbility Dealer Portal under the Warranty tab).

6. Mobility Retailer Business Requirements.

- (a) **Finances.** Mobility Retailer will maintain its financial affairs and working capital in such manner as to permit Mobility Retailer to meet its obligations under this Agreement, and shall, within thirty (30) days after written demand from BraunAbility, pay any delinquent accounts or other monies due to BraunAbility from Mobility Retailer. If a Mobility Retailer has open account terms with BraunAbility, the Mobility Retailer must provide audited or reviewed annual financial statements within ninety (90) days of its fiscal year end. Interim financial statements may be requested if the Mobility Retailer's account with BraunAbility is delinquent.
- (b) **Government Licenses; Taxes.** Mobility Retailer will secure and maintain all governmental licenses required to do business at the Mobility Retailer's Authorized Location. Mobility Retailer shall secure and maintain a license authorizing it to sell vehicles and shall furnish a copy of this license annually to BraunAbility. Mobility Retailer shall collect any and all applicable taxes levied directly on its sale of BraunAbility Products, including, but not limited to, federal, state, and local sales, retail, and other excise taxes, and remit the same to the proper authority when due.
- (c) **Compliance with Laws.** Mobility Retailer shall at all times hereunder operate and conduct its business in full compliance with all applicable federal, state, county, city and local statutes, laws, rules, licensing requirements, regulations, and ordinances. Mobility Retailer shall take all action necessary to comply with all applicable laws in Mobility Retailer's jurisdiction relating to licensing of the business, mobility consultant licensing, motor vehicle title

registration, odometer certification, model year requirements, advertising and any applicable sale and other taxes. Mobility Retailer agrees to cooperate fully and comply immediately with any instructions from BraunAbility pertaining to warranty modifications or repairs of any BraunAbility Product, and to furnish to BraunAbility evidence of compliance with any such instructions, modifications, and repairs upon request.

- (d) **Code of Conduct.** BraunAbility considers collaboration with its mobility retailers to be an integral part of its success and, therefore expects adherence to social, ethical, and environmental principles that align with those of BraunAbility. As such, Mobility Retailer hereby agrees to uphold, within its own business, the standards expressed in BraunAbility's [PARTNER AND SUPPLIER CODE OF CONDUCT](#).
- (e) **Adaptive Driving Alliance & NMEDA Membership.** In order to qualify for BraunAbility benefits provided for in this Agreement, a Mobility Retailer must either be: (1) a member of the Adaptive Driving Alliance (www.adamobility.com) or (2) able to sell BraunAbility Products through, and pursuant to, a federal supply schedule / contract with the United States Department of Veterans Affairs. In addition, to further be eligible to receive BraunAbility benefits, a Mobility Retailer must also be a member of the National Mobility Equipment Dealers Association ("NMEDA") and be NMEDA Quality Assurance Program accredited or accredited through an approved equal quality assurance program.
- (f) **Registration & Titling.** Mobility Retailer shall promptly register, and title vehicles sold pursuant to a Retail Installment Contract in a manner sufficient to perfect, in the Lender's favor, a valid and enforceable first priority security interest in the vehicle. Mobility Retailer shall promptly complete the necessary forms and documents at the time of sale and forward them together with the appropriate fees to those public officials who are responsible for issuing the certificate of title or registration. If a first priority security interest in the vehicle is not perfected within ninety (90) days of consummation of the Retail Installment Contract, Dealer shall accept re-assignment of the contract and pay the full amount of the unpaid balance under the contract to Lender upon demand.

7. Sales Process; Requirements of Mobility Retailer in Sales Process.

- (a) **Sales to US Market Only.** Mobility Retailer is authorized to sell BraunAbility Products only to Users who reside in the United States of America and the District of Columbia. Mobility Retailer will not sell any BraunAbility Product to any person who Mobility Retailer knows, or reasonably should know, intends to export or transport the BraunAbility Product outside the United States. However, pre-owned vehicles with a new BraunAbility conversion may be sold to a User living outside the United States provided all other requirements of this Agreement, including execution of the Mobility Conversion Service Agreement, are met.
- (b) **Financing.** Mobility Retailer must either have a finance and insurance department to provide Users options for financing and insurance for BraunAbility Products or refer financing and insurance opportunities for BraunAbility Products to BraunAbility's finance department (also referred to as BAF). While Mobility Retailer is free to work with other reputable financing institutions, BAF has partnered with multiple finance partners to offer, where appropriate, through Braun authorized mobility retailers Retail Installment Contracts to Users. Retail Installment Contracts involving BraunAbility Finance must accurately reflect the terms of purchase agreed upon between User and Mobility Retailer and accepted by both BraunAbility Finance and its financial source.

- (c) **Mobility Consultants.** Mobility Retailer shall always employ one or more mobility consultants dedicated exclusively to the sale of BraunAbility and other wheelchair accessible vehicle products at each Authorized Location. Mobility Retailer shall meet all training requirements for BraunAbility Mobility Consultants as established by BraunAbility from time to time.
 - (d) **Submission of Mobility Conversion Service Agreements Upon Sale.** At the time a BraunAbility conversion is sold to a User, Mobility Retailer shall complete and submit electronically to BraunAbility a Mobility Conversion Service Agreement, Vehicle Delivery Checklist, and Warranty Registration. A copy of the Warranty Registration shall be signed by the purchaser and Mobility Retailer and kept on file for a period of 7 years by Mobility Retailer. Within 48 hours of the purchaser signing title documentation or the User taking delivery of the BraunAbility conversion, Mobility Retailer shall 1) submit the Warranty Registration via the BraunAbility portal (the event of submitting the Warranty Registration to BraunAbility being referred to as "Warranty Registered") and 2) submit any documentation and perform any processes necessary to complete the warranty registration to include third parties, as required. The Mobility Conversion Service Agreement requires full disclosure as to who shall be the primary servicing Mobility Retailer. In the event Mobility Retailer fails to fully complete and have executed the Mobility Conversion Service Agreement two times within the same calendar year, Mobility Retailer will be considered in breach of this Agreement and BraunAbility may immediately terminate this Agreement and/or discontinue Mobility Retailer's eligibility to receive incentives, if any, provided under Mobility Retailer benefit programs.
 - (e) **Customer Assessment.** BraunAbility Products are sold to persons whose mobility is restricted or who provide transportation to persons whose mobility is restricted. Assessment of the User's needs, and recommendation of BraunAbility Products which will assist in meeting those mobility needs, is a highly personal task which must be performed with the User present at either Mobility Retailer's Authorized Location or the User's residence. Mobility Retailer agrees not to sell BraunAbility Products to any User whose mobility needs have not been personally assessed by an appropriately trained BraunAbility mobility consultant of Mobility Retailer. This includes the initial assessment of the User's needs, the final delivery, and testing of the BraunAbility Product with the User.
 - (f) **Performance to Target Requirements.** BraunAbility will establish quarterly sales targets for Mobility Retailer. Mobility Retailer should maintain sales of Eligible Units to the required quarterly target. For Mobility Retailers with more than one Authorized Location, sales of Eligible Units will be measured separately for the PMA of each Authorized Location.
 - (g) **Performance Dashboard.** Mobility Retailer must maintain subscribed access to BraunAbility's performance dashboard, "BraunAbility Live."
 - (h) **No Brokering of BraunAbility Conversions.** Mobility Retailer shall not sell BraunAbility conversions to non-BraunAbility Mobility Retailers or any other entity not formally recognized by BraunAbility with a current BraunAbility Consumer Mobility Retailer Agreement in place.
8. Mobility Retailer Performance; PMA Sales Target.
- (a) **PMA Assignment.** BraunAbility will assign each mobility retailer a PMA composed of census tracts using a methodology determined by BraunAbility from time to time.

- (b) **Sales Outside of Assigned PMA.** PMA's assigned to Mobility Retailers are not exclusive sales areas. Mobility Retailer may sell to a User outside of the PMA but within the United States or the District of Columbia, provided that (i) Mobility Retailer makes such sale from a Braun authorized Mobility Retailer location, and (ii) Mobility Retailer can either reasonably service the User's Eligible Unit in one of its Braun authorized retailer location or has an enforceable service agreement to service the User's Eligible Unit with a Braun authorized mobility retailer that can service the User's Eligible Unit in one of its Braun authorized retailer locations
- (c) **Unassigned & Open PMA's.** BraunAbility may have certain PMA's that are not assigned to a specific Mobility Retailer. BraunAbility retains the right to leave these PMA's open or appoint a mobility retailer in the PMA. Should BraunAbility alter a Mobility Retailer's PMA borders for any reason, its PMA Sales Opportunity and PMA Sales Target will be adjusted based upon the latest market data.
- (d) **PMA Sales Opportunity.**
 - i. **General.** Mobility Retailer is responsible for meeting BraunAbility's PMA Sales Opportunity for Eligible Units as established by BraunAbility.
 - ii. **Definition.** BraunAbility will establish a "PMA Sales Opportunity" for each PMA, which is an estimate of the sales opportunities for wheelchair accessible vehicles sold from the Authorized Location to consumers residing within the PMA, as well as opportunities from adjacent open PMA's which are unassigned to other Mobility Retailers. The PMA Sales Opportunity in no way guarantees or limits the number of Eligible Units a Mobility Retailer can or will sell. BraunAbility will supply Mobility Retailer its PMA Sales Opportunity throughout the year on BraunAbility Live.
 - iii. **Quarterly Determination.** The sales opportunity available within each PMA is based on two factors: (1) the demographic, socio-economic, and other unique characteristics of the PMA, and (2) BraunAbility brand sales performance within the nation or other comparison area. On a quarterly basis, BraunAbility will calculate a National sales target for the upcoming 3-month period. This National sales target will be assigned to each BraunAbility Mobility Retailer proportionate to each Mobility Retailer's PMA opportunity as a percent of the sum of all PMA opportunity using seasonality factors for the state that each Mobility Retailer is located in.
- (e) **Quarterly Determination of PMA Sales Target.** Each quarter, BraunAbility will assign a "PMA Sales Target" to each PMA. The PMA Sales Target represents the minimum number of Eligible Units the Mobility Retailer must sell from the Authorized Location. BraunAbility will supply the Mobility Retailer the PMA Sales Target through BraunAbility Live. The quarterly PMA Sales Target will represent each Mobility Retailer's share of BraunAbility's National demand plan for the quarter.
- (f) **Mobility Retailer Performance.**
 - i. **Assessment of Performance.** A Mobility Retailer's performance shall be assessed by measuring the Mobility Retailer's total Eligible Unit sales to Users residing both within its PMA and outside its PMA against a Mobility Retailer's PMA Sales Target. Total Eligible Unit sales shall be measured by the verified warranty registrations returned to BraunAbility after a sale from each Authorized Location.

- ii. **Mobility Retailer Achieves Goal.** In the event a Mobility Retailer's total Eligible Unit sales to Users residing both within its PMA and/or outside its PMA equals or exceeds its PMA Sales Target and satisfies all other requirements in the Mobility Retailer Relationship Documents, no corrective action will be taken by BraunAbility and no other mobility retailer shall be authorized to establish an authorized retailer location within the Mobility Retailer's PMA.
 - iii. **Mobility Retailer Does Not Achieve Goal.** In the event a Mobility Retailer's total Eligible Unit sales within its PMA and/or outside its PMA for any trailing four quarters falls short of its combined PMA Sales Target for the same trailing four quarters, BraunAbility shall have the right to establish or recognize another mobility retailer within the underperforming retailer's PMA territory, modify the underperforming mobility retailer's PMA territory or terminate this Agreement.
9. **Mobility Retailer Benefits.** BraunAbility may from time to time establish benefit programs for Mobility Retailers which BraunAbility may revise or discontinue at its sole discretion at any time. Revisions to benefit programs may include, among other things, changes to which BraunAbility conversions will be considered as Eligible Units and therefore counted as calendar-year warranty registrations for benefit programs for Mobility Retailers, Mobility consultants, or Mobility Retailer principals. BraunAbility's mobility retailer benefit programs are described in the [DEALER PROGRAM MATERIALS](#) provided to retailers.
10. Customer Service and After-Care Requirements.
 - (a) **Repairs and Maintenance.** Mobility Retailer agrees to provide efficient, courteous, and professional repair and maintenance service, including warranty, recall and customer-paid service, on all BraunAbility Products and to all customers on an equal basis and without consideration of the original selling Mobility Retailer of the BraunAbility Product. Mobility Retailer shall at all times employ one or more service technicians who have completed all service training required by BraunAbility and have been certified by BraunAbility to perform service on BraunAbility Products ("BraunAbility Certified Technicians"). All service shall be performed by a BraunAbility Certified Technician at the Authorized Location at fair and competitive rates and shall be performed in accordance with BraunAbility service standards as contained in BraunAbility's current service program and other BraunAbility warranty policies and procedures. Mobility Retailer agrees to comply with the BraunAbility Mobility Retailer Service Policies as may be revised by BraunAbility from time to time. Unless it receives BraunAbility's written consent, all service work on BraunAbility Products shall be performed at Mobility Retailer's Authorized Location using only authentic BraunAbility repair parts. Mobility Retailer shall comply at all times with all BraunAbility warranty and service policies, as those are revised from time to time by BraunAbility's Customer Care and Aftersales Department. Failure to comply with BraunAbility warranty and service policies may result, at BraunAbility's discretion, in denial of Mobility Retailer's requests to receive warranty reimbursement for work performed on BraunAbility Products.
 - (b) **Emergency Service; Rental Vehicle.** Mobility Retailer agrees to maintain and make available to purchasers of BraunAbility Products an emergency service contact telephone number, which shall be available 24 hours a day, 7 days a week. Mobility Retailer agrees to maintain access to at least one rental/loaner vehicle which shall be available for Users whose vehicle is being repaired in accordance with BraunAbility's current Mobility Retailer Service Policies. With prior written approval, BraunAbility agrees to reimburse Mobility Retailer, at a reasonable daily rate to be established by BraunAbility, for the provision of rental/loaner

vehicles to Users during the period of a warranty repair covered under the BraunAbility's current service program.

- (c) **Mobility Retailer Warranty Work.** BraunAbility shall compensate Mobility Retailer at rates established by BraunAbility from time to time for labor and BraunAbility parts used in work performed as provided for under the BraunAbility warranty program on BraunAbility conversions. Such compensation shall constitute full and complete payment to Mobility Retailer for warranty service. Mobility Retailer shall not charge any User for service or any other work covered by a BraunAbility warranty or for which Mobility Retailer is otherwise reimbursed by BraunAbility. Mobility Retailer shall not be entitled to compensation from BraunAbility for any non-warranty work, and the User shall bear the responsibility to Mobility Retailer for payment for such non-warranty work. This Agreement authorizes Mobility Retailer to perform warranty work on BraunAbility conversions only.

11. License Grants. BraunAbility grants to Mobility Retailer a nonexclusive, nontransferable, royalty-free, revocable limited license during the term of this Agreement to use certain of BraunAbility's trademarks, specifically designated in writing by BraunAbility, solely in connection with and for the purpose of maintaining and supporting the sale, financing, and service of BraunAbility Products. Mobility Retailer acknowledges that BraunAbility has adopted certain requirements and rules regarding the use of its name and trademarks and Mobility Retailer agrees to comply with same. Upon demand from BraunAbility or termination of this Agreement for any reason, Mobility Retailer shall immediately cease using any name or trademark of BraunAbility.

12. Sale of Mobility Retailer. In the event a Mobility Retailer desires to sell its business, or any equity interest therein that results in a change of control, the Mobility Retailer and proposed purchaser of the business may apply to BraunAbility for appointment of the proposed purchaser only at the Authorized Location as a successor retailer for the remaining term of this Agreement. A written request must be submitted to BraunAbility no less than 30 days prior to the date of sale or transfer of the business, requesting approval to authorize the transfer of the Consumer Mobility Retailer Agreement. Any change in control without the prior written consent of BraunAbility will result in an immediate termination of this Agreement.

13. Indemnification and Hold Harmless.

- (a) **In General.** With respect to BraunAbility conversions, BraunAbility and Mobility Retailer each agree to defend, indemnify, and hold the other and its officers, agents, and employees harmless from and against any and all liability, loss, or expense (excluding attorney's fees) (collectively, "Losses") relating to third-party claims for injury or damages (collectively, "Claims") relating to BraunAbility Products installed, serviced, or sold by Mobility Retailer, but only in proportion to and to the extent such Losses are caused by or result from the negligence or intentional acts or omissions of the Indemnifying Party (as defined below).
- (b) **Indemnification Claims.** If a Claim is made against a party seeking indemnification under Paragraph 13(a) (the "Indemnified Party"), the Indemnified Party will notify the other party (the "Indemnifying Party") in writing with reasonable particulars within 15 days; however, failure to give timely notice will only relieve the Indemnifying Party of its obligations hereunder to the extent it is prejudiced by the delay. If the Indemnifying Party agrees to undertake the settlement or defense of the Claim within 15 days after receipt of such notice, it will do so at its own expense through counsel of its own choosing (reasonably acceptable to the Indemnified Party), the Indemnifying Party will be solely responsible for the Losses, and the Indemnified Party will reasonably cooperate with the Indemnifying Party at the Indemnifying Party's expense in connection with such defense. If the Indemnifying Party does

not agree to undertake the settlement or defense of a Claim within 15 days, the Indemnified Party may settle or contest the Claim against it as it sees fit and the Indemnifying Party will reimburse it for its Losses, subject to a determination of proportional liability as follows: if both BraunAbility and Mobility Retailer become subject to a final judgment on a Claim, a court's determination of their proportionate liability will be determinative; if either BraunAbility or Mobility Retailer is not subject to a final judgment on a Claim or if a court does not determine the proportional liability as between BraunAbility and Mobility Retailer, the parties will either agree as to their proportional liability or submit the issue to arbitration pursuant to the terms of this Agreement. This Section will survive the termination of this Agreement.

14. Choice of Law. The parties acknowledge that this Agreement shall take effect upon execution by BraunAbility at its offices in Winamac, Indiana. This Agreement shall be construed, governed, and enforced in accordance with the internal laws (excluding all conflict of laws rules) of Indiana. If performance under this Agreement is illegal under a valid law of any jurisdiction where such performance is to take place, the Agreement shall be deemed modified to the minimum extent necessary to comply with any such law as was effective on the date of execution of this Agreement.

15. Arbitration. Any controversy or claim arising out of or relating to this Agreement or any agreements or instruments relating hereto, including, but not limited to, a claim based on or arising from an alleged tort, shall, at the request of any party, be settled by arbitration in accordance with the Commercial Arbitration Rules of the American Arbitration Association. The prevailing party in the arbitration shall be awarded its attorney fees and costs. The arbitration shall take place in the city of Indianapolis, Indiana, and judgment rendered upon the award rendered by the Arbitrator(s) may be entered in the courts in accordance with applicable law.

16. Termination.

- (a) **By Mobility Retailer**. Unless otherwise provided herein, Mobility Retailer may voluntarily terminate this Agreement upon thirty (30) days written notice to BraunAbility.
- (b) **Immediate Termination by BraunAbility**. Immediately upon written notice to the Mobility Retailer at its Authorized Location, BraunAbility may terminate this Agreement upon the occurrence of any violation of the following terms of this Agreement:
 - i. Failure to secure any license or pay any taxes associated with its business;
 - ii. Sale of a BraunAbility product from an unauthorized location without receiving permission from BraunAbility;
 - iii. Failure to adhere to appropriate business practices defined herein;
 - iv. Failure to receive BraunAbility's consent prior to the sale or transfer of all or part of a Mobility Retailer's business at its Authorized Location;
 - v. Failure to timely pay Mobility Retailer's floor plan Lender(s) for BraunAbility Products when due;
 - vi. Failure to maintain the required general liability insurance policy;
 - vii. Failure to maintain the required garage keepers and garage liability insurance policy;

- viii. Sale of a BraunAbility conversion outside of the United States;
 - ix. Failure to achieve Mobility Retailer's total Eligible Unit sales within its PMA and/or outside its PMA for any trailing four quarters;
 - x. Failure to uphold the principles of BraunAbility's Partner and Supplier Code of Conduct referenced in section 6(d).
- (c) **Period to Remedy Other Violations.** BraunAbility may also terminate this Agreement for violation of any of the following terms of this Agreement if Mobility Retailer fails to remedy the violation in a manner acceptable to BraunAbility within sixty 60 days of receiving written notice:
- i. Failure to comply with the BraunAbility Branding Resource Guide;
 - ii. Failure to maintain subscribed access to BraunAbility Live;
 - iii. Failure to employ one or more mobility consultants dedicated to the sale of BraunAbility Products at each Authorized Location;
 - iv. Failure of Mobility Retailer to offer wheelchair accessible vehicle financing, either through BraunAbility or another Lender arranged by Mobility Retailer;
 - v. Sale of a BraunAbility conversion to an unauthorized mobility retailer;
 - vi. Sale of a BraunAbility conversion to another BraunAbility Mobility Retailer for an amount less than the price Mobility Retailer could buy the vehicle from Braun;
 - vii. Failure to maintain the required sales inventory of BraunAbility Products during periods where supply is made available to meet requirements;
 - viii. Failure to pay any accounts owed to BraunAbility when due;
 - ix. Failure to complete and submit the Mobility Conversion Service Agreement to BraunAbility; or
 - x. Failure to have a BraunAbility certified service technician work on BraunAbility Products.
- (d) **Discontinuance of BraunAbility Products.** The Agreement shall also be terminated upon thirty (30) days written notice by BraunAbility to Mobility Retailer in the event BraunAbility shall, for any reason, discontinue the sale and distribution of BraunAbility Products.
- (e) **Manufacture of Competing Products.** BraunAbility shall also have the right to immediately terminate this Agreement in the event Mobility Retailer, or any of its affiliates, manufacture any side or rear entry wheelchair accessible consumer mobility conversion, or other similar product that would have the functionality of a BraunAbility conversion.
- (f) **Effect of Termination.** Within thirty (30) days of the effective date of any termination of this Agreement, BraunAbility may, at its option, purchase from Mobility Retailer at Mobility

Retailer's original cost, any new (less than one-thousand (**1,000**) miles) and pre-owned vehicles with new conversions purchased from BraunAbility, all BraunAbility accessory products in original packaging, all BraunAbility parts in original packaging and any special tools which BraunAbility required Mobility Retailer to purchase. BraunAbility shall deduct the cost of any damage to the BraunAbility items being re-purchased from the re-purchase price. BraunAbility will allow the terminated Mobility Retailer to close any sales of BraunAbility Product that originated in writing prior to the Mobility Retailer's termination, provided delivery and payment for such product occurs within sixty (60) days of the Mobility Retailer's termination.

17. Entire Agreement. This Agreement contains the entire understanding between the parties with respect to the subject matter hereof and supersedes all prior and contemporaneous written or oral negotiations and agreements between the parties regarding the subject matter hereof. Except as expressly contained herein, neither party has made or relied upon any representations, warranties, assurances or understandings. Mobility Retailer acknowledges that BraunAbility has made no forecasts, guarantees, representations or assurances regarding Mobility Retailer's potential sales, profits or earnings capability as a retailer of BraunAbility Products under this Agreement.

18. Amendments. This Agreement may be amended only by a writing signed by both parties. With respect to any consents, approvals, waivers or amendments which may be granted by BraunAbility to Mobility Retailer hereunder, including without limitation consents to assignment or to a change in the Approved Location, no such consent, approval, waiver or amendment shall be valid or binding upon BraunAbility unless in writing and signed by an authorized officer of BraunAbility.

19. No Waiver. The waiver by either party of any breach or violation of or default under any provisions of this Agreement shall not be a waiver by such party of any other provision or of any subsequent breach or violation thereof or default thereunder. The failure or delay of either party to take prompt action upon any breach or violation of this Agreement shall not be deemed a waiver of the right to take action for such breach, default or violation at any time in the future.

20. No Assignment by Mobility Retailer. This Agreement is personal to the individual(s) identified in the Agreement. Neither this Agreement, nor any part thereof or any interest therein, may be transferred or assigned by Mobility Retailer, in whole or in part directly or indirectly, voluntarily or by operation of law, without the prior written consent of BraunAbility. Any attempted transfer or assignment made without BraunAbility's prior written consent shall be void and not binding upon BraunAbility.

21. No Implied Reinstatement or Renewal. The acceptance by BraunAbility of orders from Mobility Retailer or the continued sale of BraunAbility Products to Mobility Retailer or any other act or course of dealing of BraunAbility after termination or expiration of this Agreement shall not be construed as or deemed to be a renewal, extension or continuation of this Agreement for any additional term or a waiver of such termination.

22. Confidentiality. To the fullest extent not prohibited by applicable law, the Mobility Retailer shall maintain in strict confidence, not disclose and use only in the performance of this Agreement any confidential or proprietary information concerning the business affairs or operations of BraunAbility or its affiliates or BraunAbility Products, including without limitation trade secrets, customer lists, price lists or other information concerning the manufacture or distribution or promotion or marketing of BraunAbility Products. The Mobility Retailer will be responsible for all breaches by any of its employees or agents. Upon termination of this Agreement and request by BraunAbility, the Mobility Retailer shall return all copies of such proprietary or confidential information to BraunAbility.

23. Accuracy of Information. All reports and submissions by either party shall be true and accurate.

CONFIDENTIAL

24. No Deceptive Practices. Neither party shall engage in any deceptive, misleading, confusing, illegal, or fraudulent advertising or business practice, whether willful, negligent or otherwise, in the sale of any BraunAbility Product.

By their signatures hereto, the parties signify that they have read and understand this Agreement and agree to abide by and be bound by all its provisions.

MOBILITY RETAILER

THE BRAUN CORPORATION

Entity Name: SODERHOLM BUS & MOBILITY

By: 

By: *Denise L. Soderholm*
Denise L. Soderholm (Feb 25, 2022 13:15 HST)

Name: Craig Schrimsher

Name: Denise L. Soderholm

Title: VP & General Manager, Consumer Division

Title: President

Dated: Feb 26, 2022

Dated: Feb 25, 2022

[SIGNATURE PAGE TO MOBILITY RETAILER AGREEMENT]











BraunAbility Retailer Agreement

Final Audit Report

2022-02-26

Created:	2022-02-11
By:	Contracts Contracts@braunability.com (Contracts@braunability.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAA2v-y5kz4Z97X6y9AeyKcWswHQazF3cGx

"BraunAbility Retailer Agreement" History

-  Document created by Contracts Contracts@braunability.com (Contracts@braunability.com)
2022-02-11 - 8:26:57 PM GMT
-  Document emailed to Denise L. Soderholm (denise@soderholmbus.com) for signature
2022-02-11 - 8:27:21 PM GMT
-  Email viewed by Denise L. Soderholm (denise@soderholmbus.com)
2022-02-12 - 9:30:55 AM GMT
-  Email viewed by Denise L. Soderholm (denise@soderholmbus.com)
2022-02-18 - 9:52:47 PM GMT
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-  Document e-signed by Denise L. Soderholm (denise@soderholmbus.com)
Signature Date: 2022-02-25 - 11:15:41 PM GMT - Time Source: server
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2022-02-25 - 11:15:43 PM GMT
-  Email viewed by Craig Schrimsher (craig.schrimsher@braunability.com)
2022-02-26 - 3:35:46 AM GMT
-  Document e-signed by Craig Schrimsher (craig.schrimsher@braunability.com)
Signature Date: 2022-02-26 - 3:34:06 PM GMT - Time Source: server
-  Agreement completed.
2022-02-26 - 3:34:06 PM GMT

General License

License ID

F-169

License Type

MANUFACTURER

Legal License Name

THE BRAUN CORPORATION

Status

CURRENT, VALID & IN GOOD STANDING

Entity Type

CORPORATION

Active/Inactive

ACTIVE

Original License Date

12/15/2015

Expiration Date

06/30/2024

Restriction

--

Trade/Professional Name

--

Special Privilege

--

Conditions & Limitations

--

Class Prefix

--

Business Code

--

Educational Code

--

Business Address

645 W. CARMEL DRIVE 645 W. CARMEL DRIVE, CARMEL, IN, 46032

Other Business/Person/DBA Names

 Records Per Page Columns to Show

Search:

Name	Effective Date	Termination Date
NO DATA AVAILABLE IN TABLE		

Showing 0 to 0 of 0 entries

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Employees

Show entries

Search:

Employee Name	Position	Position Status	License ID	License Status	Effective Date
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NO DATA AVAILABLE IN TABLE

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☰ Employers List

Employers

Show entries

Search:

Employer Name	Position	License ID	License Status	Effective Date
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NO DATA AVAILABLE IN TABLE

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☂ Insurance/Bond

Insurance/Bond

Show entries

Search:

Insurance Type	Effective	Term Date	Cancel Date	Policy #	Surety	Amount
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NO DATA AVAILABLE IN TABLE

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★ License Class

License Classes

Show entries

Search:

Class Code	Class Type	Effective	Restricted	Status
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NO DATA AVAILABLE IN TABLE

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DEALER AGREEMENT

AGREEMENT made as of the 11 day of Nov., 2021 between SUNSET VANS, a California Corporation having an office at 8851 Lakewood Blvd, Downey, California 90240 hereinafter called the Company; and Soderholm Sales and Leasing, Inc. located at 2044 Dillingham Blvd., Honolulu, HI 96819 hereinafter called the Dealer.

Wherein it is mutually agreed as follows:

1. GENERAL PURPOSE: The purpose of this Agreement is to set forth the respective functions, obligations and responsibilities of the Company and the Dealer in the sale of Company's products, parts, and accessories to the Dealer and in the sale and servicing of such products to the end users.

2. APPOINTMENT: The Company hereby appoints the Dealer as its exclusive dealer for all products built upon the Ford Transit chassis, Ram ProMaster chassis and an authorized dealer of the Company's remaining line of products, together with all parts and accessory products incidental thereto whether or not manufactured by the Company, all of which are herein collectively called "Company Products" or "Products", for resale or lease by the Dealer in the Dealer's assigned area of responsibility which shall include and be limited to the geographic area set forth in section 4.

3. SALE OF COMPANY PRODUCTS.

A. ORDERS. The Dealer shall submit orders for Company Products to the Company for acceptance by the Company. Such orders shall be submitted by the Dealer to the Company electronically or in writing on order forms as may be designated or approved by the Company. An order from the Dealer shall not be considered as accepted until an acceptance notice has been sent to the Dealer from the Company in writing, electronically, or delivery has been made to the Dealer of the Products described therein.

B. PRICES. The purchase price of the Products sold hereunder shall be as published from time to time by the Company.

C. DELIVERIES AND SHIPMENTS. The products sold hereunder shall be delivered FOB to the Port of Long Beach in Long Beach, CA. The Dealer shall be responsible for and pay any and all charges for transportation, insurance, shipment, demurrage, storage or other charges including, but not limited to, any requested special handling, boxing or crating expenses accruing with respect to the Products ordered. Any charges and expenses resulting from the diversion of any of the Products upon the Dealer's request or as a result of the Dealer's failure or refusal, for any reason, to accept delivery of any of the Products will be paid by the Dealer.

The Dealer assumes all risk of damage to or loss of Products for any reason upon the Products leaving the Company's plant.

D. PAYMENT. Unless other acceptable arrangements have been agreed to in writing by the Company the invoices rendered by the Company to the Dealer covering the Products sold to the Dealer shall be payable by wired bank transfer, ACH, certified or bank check upon scheduled delivery of the Products at the Company's factory.

E. TERMS AND INVOICING. Except as otherwise provided in this agreement or by policy letters or bulletins published by the Company from time to time, all invoices for products ordered by the Dealer shall be in accordance with the Company's terms of sale and prices in effect at the time of order of any of the Products. Terms of sale, prices and discounts with respect to the Products are subject to change by the Company at any time without notice and without creating any liability on the part of the Company to the Dealer, although the Company will endeavor to give advance notice to the Dealer of any contemplated changes. If such changes effectively increase the price of Products after receipt of an order by the Company and prior to delivery to the Dealer, the Dealer may by communication to the Company at any time within (10) days after notice of such price increase has been given, cancel the order insofar as it covers Products to which such price increase is applicable. Any and all sales, use, excise or other similar taxes assessed by Federal, State or local governments on sales of the Products, together with costs incurred in complying with the Dealer's requests for the special manufacturing, delivery or handling of the Products will be added to the Company's invoice price.

F. DELAYS. The Company will not be liable for non-acceptance of the Dealer's orders for any reason or for any delays or failure of performance, nor will it be responsible for any damage caused the Dealer or any other party due to strikes, or other labor difficulties, fires, embargoes, Acts of God, war, breakdown or failure of plant machinery or equipment, delays in or lack of transportation, governmental priorities or allocations, delays of supplier, or any other reason beyond the reasonable control of the Company.

G. ORDER CANCELLATIONS. The Company will accept cancellation or change of request on any manufacturing order providing written notice is received from the Dealer by the Company prior to schedule of build. In the event of such cancellation Dealer will reimburse Company for all sums and costs paid or incurred in connection with the canceled order, including, without limitation, any goods ordered for purposes thereof which goods will be made available to Dealer upon payment of all sums due.

4. AREA OF MARKETING RESPONSIBILITY: To assure the orderly marketing, distribution and manufacturing of its products, the Company shall determine and assign a geographic area of marketing responsibility for Dealer. The assigned area of responsibility is to be the State of Hawaii, American Samoa, Samoa, Cook Islands, Tahiti, Territory of Guam, Commonwealth of the Northern Marianas Islands, Republic of Palau, Federated States of Micronesia, and The Republic of the Marshall Islands. This responsibility shall be extended to include representing the Company in a State Bid process if applicable and Company requests the

right of first refusal on said bids. OEM Ford and Ram incentives to be determined by their applicable rules and regulations.

5. NO AGENCY: Except as may otherwise be specifically set forth herein, the Company reserves the right to sell to such other persons as it may elect. Nothing herein contained shall be deemed to constitute the Dealer as a co-venturer or an agent of the Company. The Dealer acknowledges that it is operating and will continue to operate as an independent contractor and shall have no authority to make contracts on behalf of the Company or otherwise to bind the Company in any manner.

6. WARRANTY: The Company warrants, subject to the limitations set forth herein, that when delivered the products and services sold to the Dealer hereunder shall be free from defects in workmanship or material. The sole and exclusive liability of the Company for breach of warranty shall be the correction or replacement of the part or service involved within the warranty period set forth herein, if brought to and picked up by Dealer at Company's place of business, or, at Company's option, the refund of the price paid to Company for such part or service. Upon the mutual written consent of Company and Dealer, in lieu of the foregoing, Company may replace a defective part upon receipt of such part from Dealer in which event Company shall have no further obligation with regard to the claim, whether for labor, installation expenses or otherwise. This warranty shall apply only to latent defects as to which the Dealer notifies the Company in writing within twelve (12) months after delivery to the Customer or before the Vehicle in question has traveled 12,000 miles, whichever comes first. Should the Company policy change, the terms of the new warranty policy will be in effect. The terms of our three-year paint and five year structural and corrosion limited warranty will apply under the terms of this agreement. The Company may furnish Dealer with warranty literature and/or information in which event Dealer shall furnish same to each customer who purchases Company Products. This warranty shall not apply to any defect in or damage to any portion of the vehicle which could have been observed at time of delivery unless claim therefor is made at the time of delivery. This warranty shall apply only to those portions of Vehicles which have been fabricated by the Company and those materials which have been manufactured or fabricated by the Company. The Company shall have no obligation or liability with respect to any defect in workmanship or materials in any other portion or portions of the Vehicles. **THE WARRANTY STATED IN THIS PARAGRAPH IS EXCLUSIVE OF ALL OTHER WARRANTIES, WRITTEN OR ORAL, STATUTORY, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, NONE OF WHICH SHALL APPLY TO THE SALE OF THE COMPANY'S PRODUCTS OR SERVICES HEREUNDER.**

A. Dealer shall serve as Company's authorized Warranty representative for the assigned area of responsibility as defined in Section 4, subject to the terms and limitations as defined in Section 6. See standard warranty to end user.

6. LIMITATION OF LIABILITY: The Company's liability on any claim of any kind, including but not limited to negligence, for any loss or damage arising out of, connected with, or resulting from this Agreement, or from the performance or breach thereof, or from the production, sale, delivery, resale, or use of any products or services covered by or furnished

under this Agreement shall in no case exceed the price allocable to the product or service which gives rise to the claim plus the cost of any physical damage to the vehicle on which such product was affixed or service was performed. In no event shall the Company be liable or responsible for incidental, consequential or special damages of any kind, nature or description with respect to the purchase or sale to or by the Dealer of Company Products, or the use thereof by anyone whatsoever.

8. TERM: This Agreement shall be in force and effect for a period of one year from date hereof and thereafter shall be automatically renewed for successive one-year periods subject to termination by either party upon written notice given in accordance with the following and further, subject to the following:

A. This Agreement and any renewal hereof may be terminated before the end of its term:

1. By written Agreement signed by both parties.

2. By either party upon thirty (30) days' notice in writing.

3. By the Company upon ten (10) days notice in writing, if Dealer in accordance with all local, regional, state and federal law attempts to assign this Agreement, or any rights hereunder, without the Company's prior written consent; or there is a change in the control or management of Dealer which is unacceptable to the Company; or any indebtedness owing to the Company by Dealer becomes more than twenty (20) days past due; or Dealer ceases to function as a going concern; or if a receiver for Dealer is appointed; or a petition under the Federal Bankruptcy Code is filed by or against Dealer; or if Dealer engages in any practice or act which is contrary to the best interests of the Company.

4. By the Company, upon ten (10) days notice in writing, if the Dealer shall violate any provision of this Agreement or default in the performance of any of the covenants and conditions contained herein and shall fail to remedy such default within the ten (10) day period provided by such notice of the default.

B. Notwithstanding the termination of this Agreement pursuant to the foregoing paragraph A above, the Company shall continue to be obligated to perform outstanding orders in accordance with the terms of this Agreement and the Dealer shall continue to be so obligated and shall further be obligated to pay for same.

C. In the event of termination, Company agrees to re-purchase from Dealer all new, unused inventory purchased from the Company by the Dealer through this Agreement.

9. DELIVERY: In addition to other matters set forth herein, delivery of all or any Company Products is contingent upon the ability of the Company to obtain supplies and raw materials through its regular and usual sources of supply. In the event of fire, flood, tornado, hurricane, or other Act of God, casualty, accident, embargo, strike or lockout, or other difficulties with employees, delay or inability to obtain labor, material, machinery and services through the usual sources of Company, delay by carrier, or any cause or causes beyond the

control of Company (whether like or unlike the foregoing) causing failure to deliver or delay in delivery or curtailment of production or shipment, the Company shall not be liable therefor. The Company shall not, however, be relieved from making delivery, nor the Dealer from accepting delivery at the agreed price, when the causes interfering with deliveries shall have been removed.

10. INSURANCE: Dealer and/or the chassis dealer shall at its sole cost and expense, obtain and maintain in full force and effect during the term of this Agreement one or more insurance policies insuring against all risk of loss to the chassis from the time of their delivery to the Company until delivered to Dealer. The Company will maintain in full force one or more insurance policies against risk of loss or damage to any chassis owned by Dealer or Company when in the Company's possession.

11. TRADE NAME: Dealer agrees to use any Company trade name or trademark conspicuously, as an adjective, for display purpose only, in connection with the sale of Company's products, and agrees not to use any such trade name or trademark as a part of any corporate, firm or individual business name without having first obtained written authority and consent from the Company to do so. Dealer further agrees not to use the term "agent" or "agency" in any manner in the conduct of its business. Dealer further agrees, upon the termination of this Agreement in any manner, to discontinue, in connection with any business in which Dealer may then or thereafter become engaged or otherwise, all use, directly indirectly, of any trade name or trademark, and any other name, title or expression resembling it, and the name of any product of the Company, and to remove all such names from all business letterhead, building, billboards or wherever the said terms had theretofore been used by Dealer in connection with Dealer's business. The Dealer acknowledges and agrees that it shall not have or acquire any right or interest whatsoever in any trademark, trade name, or product designation under which the Products are sold, or the Good Will pertaining thereto. All sales, promotional and advertising activities relating to the Products shall be handled in a dignified manner and in such a way to be consistent with and enhance the general reputation and importance of such trademark, trade names and product designations.

12. ASSIGNMENT: The rights granted hereunder shall be personal to the Dealer, and no right or interest of the Dealer hereunder or arising out of this Agreement may be assigned or otherwise transferred, whether by operation of law, transfer or change of stock ownership or management, or otherwise, without the prior written consent of Company and no delegation of any obligation owed by the Dealer hereunder shall be made without the prior written consent of Company. Any attempted assignment or delegation shall be void and ineffective for all purposes and shall constitute a material breach of this Agreement.

13. PRODUCT CHANGE: The Company reserves the right, without obligation to the Dealer, to discontinue the manufacture of any Product and/or to make changes in design or add improvements to the Products at any time without incurring any obligation to install same on products previously purchased or order by Dealer. The Dealer agrees not to alter any Product sold hereunder, or to change or substitute any equipment thereon.

14. REPORTS OF OPERATION: The Dealer agrees, upon written request of the

Company, to make reports to the Company containing the name, address (including zip code) and telephone number of each person to whom Dealer shall have delivered Products and indicating the make, model, description, and serial number of each such Vehicles. Dealer further agrees to respond promptly with such information as Company may from time to time request, or which may required by any law or regulation.

15. DEALER'S PLACE OF BUSINESS: Dealer agrees to establish and maintain a place of business, which shall provide or have adequate (in size and appearance) sales and service facilities, and agrees to stock one or more of each exclusive product line of the Company's Products (completed vehicle) at the Dealer's regular place of business for display and demonstration; to establish and maintain full time sales representation in such places and in such manner as is necessary to give satisfactory sales and service to the Vehicles; to promptly follow up retail inquiries, if any, furnished by Company, to exhibit the Vehicles in trade shows where such activity enhances Dealer's business potential; to participate in any demonstration programs that may be announced by the Company from time to time; and to conform to all lawful rules and regulations including those from time to time issued by Company and furnished to Dealer.

16. CONVENTIONS AND EXHIBITS. The Company and the Dealer may each determine the degree and extent of its participation in any national or local conventions or exhibits and unless otherwise agreed, each shall assume all display space and materials costs in connection therewith. To the extent found practical by the Company, the Company representatives may at its discretion attend local conventions or exhibits in the Dealer's Primary Trade Territory at the Company's expense. The Dealer may be requested to assist the Company personnel in displays and promotions at national conventions and exhibits. Such assistance shall be furnished at the Dealer's expense.

17. HANDLING OF INQUIRIES.

A. INQUIRIES FORWARDED BY THE COMPANY.

Inquiries received by the Company from the business territory of the Dealer will be promptly forwarded to the Dealer.

B. ADVICE OF SALES BY COMPANY.

Advice of sales previously made or hereafter made of the Products for delivery into the Dealer's business territory will, upon Dealer's inquiry and request, be given the Dealer by the Company to the extent of records available.

18. NOTICE: Any notice required or permitted to be given pursuant to the terms of this Agreement must be in writing and shall be deemed given when mailed by registered or certified mail, return receipt requested or sent by nationally recognized overnight delivery service to either of the respective parties to this Agreement at their address as set forth herein.

19. ENTIRE CONTRACT: This instrument constitutes the sole and complete agreement between the parties. There are no agreements, representations or warranties except as herein expressed, any and all of such agreements, representations and warranties being merged herein. This Agreement cannot be changed, modified or discharge except by an agreement in writing

signed by the party against whom enforcement of the change, modification or discharge is sought.

20. WAIVER: No waiver shall be deemed to be made by any party of any of its rights hereunder unless the same shall be in writing and each waiver, if any, shall be a waiver only with respect to the specific instance involved and shall in no way impair the rights of the waiving party or the obligations of the other party in any other respect at any other time.

21. CONSTRUCTION: This Agreement for all purposes shall be construed under and governed by the laws of the State of Hawaii. The parties hereto voluntarily consent to the jurisdiction of the courts of the State of Hawaii as the exclusive forum for the adjudication of any and all disputes which may arise between the parties and hereby waive the right to trial by jury in any action or proceeding which may be instituted.

22. PREPARATION OF AGREEMENT: This Agreement has been negotiated and prepared by all parties and no presumption is to be resolved against any party as a result of the preparation of any document involved in this transaction.

23. HEADINGS: The headings of the paragraph and sections of this agreement are inserted for convenience only and shall not be deemed to constitute a part hereof.

24. PERFORMANCE: From time to time after the date hereof the parties will perform such other acts and will execute and deliver at the request of the other, any and all instruments and documents which may reasonably be required to fulfill the terms and conditions hereof.

25. SEVERABILITY: In case anyone or more of the provisions contained in this agreement shall be held to be invalid, illegal or unenforceable in any respect, the validity, legality and enforceability of the remaining provisions contained herein shall not in any way be affected or impaired thereby.

IN WITNESS WHEREOF, the parties hereto have hereunto set their respective hands and seals on the day and year first above written.

SODERHOLM SALES AND LEASING, INC.

DEALER


Denise L. Soderholm, President

SUNSET VANS INC.


AUTHORIZED SIGNATURE - TITLE



MyPVL

DCCA Professional Vocational Licensing

General License

**License ID**

F-200

License Type

MANUFACTURER

Legal License Name

SUNSET VANS, INC.

Status

CURRENT, VALID & IN GOOD STANDING

Entity Type

CORPORATION

Active/Inactive

ACTIVE

Original License Date

08/22/2022

Expiration Date

06/30/2024

Restriction

--

Trade/Professional Name

--

Special Privilege

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Conditions & Limitations

--

Class Prefix

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Business Code

--

Educational Code

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Business Address

8851 LAKEWOOD BLVD, DOWREY, CA, 90240, UNITED STATES

Other Business/Person/DBA Names

 Records Per Page Columns to Show

Search:

Name	Effective Date	Termination Date
NO DATA AVAILABLE IN TABLE		



☰ Employees List

Employees

Show entries

Search:

Employee Name	Position	Position Status	License ID	License Status	Effective Date
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NO DATA AVAILABLE IN TABLE

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☰ Employers List

Employers

Show entries

Search:

Employer Name	Position	License ID	License Status	Effective Date
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NO DATA AVAILABLE IN TABLE

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☰ Insurance/Bond

Insurance/Bond

Show entries

Search:

Insurance Type	Effective	Term Date	Cancel Date	Policy #	Surety	Amount
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NO DATA AVAILABLE IN TABLE

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★ License Class

License Classes

Show entries

Search:

Class Code	Class Type	Effective	Restricted	Status
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NO DATA AVAILABLE IN TABLE

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FOREST RIVER BUS

DEALER AGREEMENT

This agreement effective the 1st of August, 2020, is entered into between Forest River Inc., an Indiana Corporation, located at 900 County Road 1, Elkhart, IN 46514 (hereinafter known as "FR"), and Soderholm Sales & Leasing, Inc. (hereinafter known as "DEALERSHIP"). This agreement shall remain in effect annually between FR and Dealership unless terminated under section III of this agreement.

Whereas DEALERSHIP is desirous of selling products produced by Forest River Bus, (hereinafter known as "FRB") and whereas FR Hereby appoints DEALERSHIP as an authorized dealer of said FRB products, the following covenants shall govern this Dealer Agreement:

I. Undertakings by the DEALERSHIP

The DEALERSHIP agrees:

- A. To the following annual Operating Requirements, effective January 1st of each year, which are set forth in the signed Dealer Operating Requirements Addendum (DORA – attached addendum). The DORA provides an agreement between FR and DEALERSHIP regarding two minimum requirements which will be used to measure said DEALERSHIP's performance**
- 1. Minimum Sales Responsibility (MSR) – Dealer agrees to meet the Minimum Sales Responsibility (MSR) requirements established on a calendar year basis and set forth in the DORA. Dealer acknowledges that the MSR is an integral and material part of this Contract and that Dealer's failure to achieve the MSR may constitute grounds for termination of this Contract.**
 - 2. Minimum Inventory Requirement (MIR) – Dealer agrees to meet the Minimum Inventory Requirement (MIR) established on a calendar year basis and set forth in the DORA. Dealer acknowledges that the MIR is an integral and material part of this Contract and that Dealer's failure to achieve the MIR may constitute grounds for termination of this Contract.**
- B. To diligently advertise, promote, display and sell the products covered by this agreement throughout the described territory at the expense of the DEALERSHIP, including display in at least one (1) public show annually in the vicinity of the Dealership's place of business. It will actively follow up on all sales leads provided by FRB and cooperate with it in later evaluation of these leads. Further that it will fully utilize to the best of its ability all marketing aids and sales training programs offered by FRB to the DEALERSHIP. FRB will**

provide literature, ad slicks and/or other materials it may have available at its discretion.

- C. To completely and properly service each new vehicle before resale, and promptly remit to FRB the Retail Warranty Registration cards with the full name and mailing address of the purchaser of FRB products.
- D. To establish and/or maintain throughout the terms of the agreement adequate facilities for the products covered, including maintaining sufficient personnel to perform all services in strict adherence with the Repair and Maintenance instructions supplied by FRB.
- E. To abide by FR's conditions for payment for products purchased under this agreement, which may be established from time to time by notice from FR. At this time FR's terms are COD or pre-arranged floor plan and DEALERSHIP agrees to maintain lines of credit and/or floor plan instruments to accommodate agreed upon volumes herein defined in Paragraph I.A above.
- F. To make no representations or warranties as to FR products other than such warranties as are expressly set forth in FR's published warranty.
- G. To submit and utilize all forms or formats prescribed by FR for the purchase of products or parts or for warranty service performed in accordance with this agreement.
- H. To maintain a policy or policies of insurance with coverage for Worker's Compensation, General Liability of a minimum of \$ 1,000,000.00 and Auto Liability. DEALERSHIP shall provide proof of such insurance by way of a Certificate of Insurance naming FR as an additional insured and specifying thirty (30) days notice of cancellation or material changes in such insurance policy or policies.
- I. To indemnify, save and hold FR harmless from any liability whatsoever caused by the act or acts of DEALERSHIP and its agents, servants or employees. This indemnification shall include all of FR expenses including reasonable attorney fees. In like FR shall indemnify, save and hold harmless Dealership for any act or acts of FR agents, servants or employees, indemnification shall include all DEALERSHIP expenses including reasonable attorney fees.
- J. The DEALERSHIP agrees to keep an active site on the World Wide Web and display FRB products on said site and provide a link to the FRB site where practical.
- K. The dealership agrees they are responsible for meeting all transit bid specifications. Although FRB will assist during and after the bid process, they are not to be held financially accountable for missed specifications by the

dealer. The dealer will be responsible for additional cost that may be incurred due to specification errors on transit or contract bids.

II. Region

- A. FR agrees to give DEALERSHIP the opportunity to promote and sell the Forest River Bus line within the assigned Area of Responsibility (AOR):
1. Dealership agrees to devote its best efforts to promote aggressively the sale of the Forest River Bus products covered by this Contract to customers within the assigned Area of Responsibility (AOR). To accomplish this objective, Dealer agrees to develop, maintain, and direct a competent sales staff and aggressively advertise the Forest River Bus product.
 2. Territories defined in this agreement shall be available to dealer within ninety (90) days of the signing of this agreement. Forest River Bus cannot restrict product coming into or out of assigned territories, but will work with the assigned dealer in regards to discounting of product.
- B. DEALERSHIP hereby acknowledges and agrees that the failure to maintain any of the above terms in Paragraph I may result in another dealer receiving priority in any or all of the assigned area(s) of responsibility.

III. Termination

If either party shall fail to observe his, their or its undertakings expressed in this agreement, the other party may give 30 days written notice of intent to cancel for any stated reason(s). Either party can terminate this agreement without cause with 60 days written notice. Either termination notice shall be sent to the other party by U.S. Certified Mail, postage prepaid, with return receipt requested. Notification of cancellation or termination will conform to the statutes required for the State of Indiana.

Any payments due FR from the DEALERSHIP are due and payable in full to FR on or before the expiration of five (5) days from the date of such termination. If such payments are not paid to FR within said time period, the balance due FR shall earn interest at the rate of 1 ½% per month.

Any change of ownership or controlling ownership of DEALERSHIP will automatically cancel this agreement. Re-issuance of a Dealer Agreement to subsequent owner(s) shall be at the discretion of FR and sufficient time and notice will be given to FR to investigate any new owner(s) before the issuance of a New Dealer Agreement.

IV. Delays and Damages

Company will not be liable if order deadlines are not met due to supply of chassis, other suppliers and/or vendors, labor situations, and other matters beyond our control, except where responsibility is specifically agreed.

V. General Terms

- A. Title to FRB products and parts remain with FR until full and complete payment is made for said products.
- B. DEALERSHIP is not an agent for FR in any respect, and has no authority to transact business in the name of FR or FRB or to incur any obligation or liability for or against FR.
- C. This agreement shall remain in full force and effect for a period of one (1) year, and shall be automatically renewed for successive one (1) year periods unless FR or DEALERSHIP gives sixty (60) days written notice of the intention not to renew this agreement, or it is terminated for just cause as found in the termination paragraph(s) stated in this agreement.
- D. This agreement replaces and supersedes all other and/or prior agreements between the parties whether written or implied. This agreement may not be modified unless in writing and signed by both parties hereto.
- E. This Contract shall be construed according to the laws of the State of Indiana, and if any provision of this Contract is declared unlawful or unenforceable, by judicial determination or otherwise, the remaining provisions of this Contract shall remain in full force and effect.

IN WITNESS WHEREOF, FR has caused this agreement to be properly and duly executed by its authorized officer; and the DEALERSHIP warrants the representative executing this agreement on its behalf is hereby fully authorized to do so.

FOREST RIVER, INC.

By: 

Date: 9/9/20

DEALERSHIP:

By: 

Date: 9-8-20

Dealer Operating Requirements Addendum

(DORA)

(Effective January 1 – December 31)

YEAR 2020

Dealership Name: Soderholm Sales & Leasing, Inc.

Address: 2044 Dillingham Blvd., Honolulu, HI 96819

Product Line: Forest River Bus Divisions

I. Area of Responsibility (AOR):

Dealer's Area of Responsibility (AOR) shall be:

Hawaii, Polynesia: Territory of Guam; Tonga; Samoa; American Samoa; Cook Islands; Tahiti
Micronesia: Commonwealth of the Northern Marianas Islands; Republic of Palau; Federated
States of Micronesia; Nauru; Republic of the Marshall Islands Melanesia: Vanuatu; Solomon
Islands; New Caledonia; Fiji; New Guinea

II. Minimum Inventory Requirement (MIR) and Minimum Sales Responsibility (MSR):

PRODUCT LINE (S)	MIR*	MSR*
Berkshire Coach, Champion, Eldorado National (KS), Elkhart Coach, Federal Coach, Krystal, Starcraft Bus, StarTrans Bus	10	120

*MIR and MSR are stated in units. MIR must be maintained on a continuous basis. Units qualifying toward the MIR are new and unsold units which dealer has in stock or on order for immediate delivery.

Dealer Signature: Denise R. Soderholm

Dealer Title: Pres.

Date: 9-8-20

Accepted: Forest River Bus, a division of Forest River, Inc.

[Signature]
Forest River Bus President

General License

License ID

F-192

License Type

MANUFACTURER

Legal License Name

FOREST RIVER INC

Status

CURRENT, VALID & IN GOOD STANDING

Entity Type

CORPORATION

Active/Inactive

ACTIVE

Original License Date

09/28/2020

Expiration Date

06/30/2024

Restriction

--

Trade/Professional Name

--

Special Privilege

--

Conditions & Limitations

--

Class Prefix

--

Business Code

--

Educational Code

--

Business Address

55479 C R 1, ELKHART, IN, 46515

Other Business/Person/DBA Names

 Records Per Page Columns to Show

Search:

Name	Effective Date	Termination Date
NO DATA AVAILABLE IN TABLE		

Showing 0 to 0 of 0 entries

[Previous](#)[Next](#) [Employees List](#)

Employees

Show entries

Search:

Employee Name	Position	Position Status	License ID	License Status	Effective Date
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NO DATA AVAILABLE IN TABLE

Showing 0 to 0 of 0 entries

[Previous](#) [Next](#)

☰ Employers List

Employers

Show entries

Search:

Employer Name	Position	License ID	License Status	Effective Date
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NO DATA AVAILABLE IN TABLE

Showing 0 to 0 of 0 entries

[Previous](#) [Next](#)

☂ Insurance/Bond

Insurance/Bond

Show entries

Search:

Insurance Type	Effective	Term Date	Cancel Date	Policy #	Surety	Amount
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NO DATA AVAILABLE IN TABLE

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[Previous](#) [Next](#)

★ License Class

License Classes

Show entries

Search:

Class Code	Class Type	Effective	Restricted	Status
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NO DATA AVAILABLE IN TABLE

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[Previous](#) [Next](#)



**B23001311 (STP-5310-22AR) Submission from Soderholm Sales &
Leasing, Inc.**

Brochures & Floorplans



B23001311 (STP-5310-22AR) Submission from Soderholm Sales & Leasing, Inc.

BraunAbility – Chrysler Voyager

Aloha State of Hawaii,

BraunAbility Wheelchair Accessible Vehicles are:

- **Crash Tested** - Industry-leading impact testing on our entire fleet of mobility products: MQAP, QAP, FMVSS 208: Occupant Crash Protection, FMVSS 301: Fuel System Integrity, FMVSS 214: Side Impact Protection
- **Industry's Only Fully Stainless Steel Exhaust System** - Prevents rust and corrosion, secured and reinforced for function and service. Protected and mounted as far from the ground as possible for less exposure to everyday impacts.
- **Custom-Made Fuel Lines and Hoses** - New lines made to fit the wheelchair-accessible floor with mating connections to fit the original manufacturers. Designed for maximum safety and performance over the total life of your vehicle.
- **State-of-the-Art Brake Line System** - New brake lines and fittings installed and properly routed for corrosion prevention and reliability.
- **New Wiring and Connectors** - No stretching or retrofitting wires and no cutting corners. New Tier-One sourced wiring harness with factory-original connectors.

We are confident that this vehicle will provide great transportation to the agencies requesting a mini-van-size vehicle. As you will see in this section, the requested in-floor ramp is not yet available on the Chrysler Voyager, the only vehicle that works for this procurement. Therefore, we are offering a fold-out, side-entry ramp that meets or exceeds all other specifications of the procurement. The research and development of the in-floor ramp are not completed since our manufacturers had to switch from the Dodge Grand Caravan since its discontinuation.

Introducing the **New Commercial Side-Entry** **Built on the Chrysler Voyager**



 **BraunAbility**[®]



The Commercial Side-Entry wheelchair accessible vehicle has been a cost-effective, workhorse product for paratransit providers and transportation services. Leveraging almost 50 years of experience in mobility transportation solutions, BraunAbility introduces with the newest addition to the Commercial fleet, the Chrysler Voyager. The side-entry foldout has all the ADA-compliant features of the Dodge Grand Caravan but with 15% more cabin space for easier maneuverability, more seating positions, plus enhanced space at the toe pan for wheelchair footrests. The new conversion also features the much more durable thermoplastic (TPO) front, side and rear flares to absorb minor impacts while protecting the exterior look of the vehicle. An LED spotlight package for the ramp and cabin as well as an easy access footrest for rear seating adds to the overall ease of use for both operators and passengers.

- **15% more cabin space vs. Dodge Grand Caravan**
- **Seating for up to 7 ambulatory*; up to 2 wheelchair positions**
- **Added space at front for wheelchair passenger footrests**
- **Hard-wearing TPO front, side and rear flares to absorb minor impacts**
- **Reinforced, heavy-duty swing-out ramp and latch**
- **Enhanced ADA lighting package**

* With optional aftermarket 2nd row 2-passenger folding bench seat



braunability.com/commercial

800.488.0359



Voyager Commercial Side-Entry



Standard Features

- ADA, FMVSS and CMVSS Compliant
- CARB approved
- 7-passenger vehicle (with optional aftermarket 2nd row 2-passenger folding bench seat)
- Lowered floor from toe pan to rear axle
- 60" floor-to-ceiling at center of van
- 30" wide manual ramp with 1,000 lb capacity and swing out feature for ambulatory access
- Multiple wheelchair securement locations
- One wheelchair securement system
- Manual driver and passenger side sliding door providing 56" vertical opening (ADA compliant), passenger door provides clear opening width of 31" (excluding OEM grab handle)
- Step-and-Roll removable front passenger seat
- 3-passenger bench seat at rear with folding footrest
- Front passenger floor tracks for wheelchair securement, with 60" floor-to-ceiling height
- TPO plastic lower body panels with integrated steps
- Vinyl flooring with 3/8" underlayment, a thermoplastic honeycomb panel subfloor
- ADA-compliant park interlock
- ADA-compliant ramp and door entrance lighting
- Priority seating and wheelchair securement location decals
- Auxiliary wiring harnesses include fused circuits
- Emergency rear hatch release
- Easy maintenance interior trim package
- 19 gallon OEM fuel tank

Optional Features

- Aftermarket 2nd row 2-passenger folding bench seat
- DOT kit
- Additional set of tie-down straps

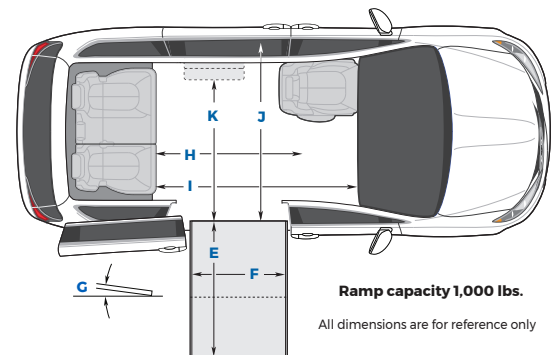
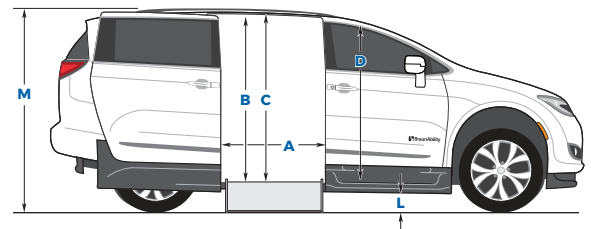
Dimensions

Door opening usable width (excluding OEM grab handle)	A	31"
Door opening usable height (at middle of door)	B	56"
Interior height at center of vehicle	C	60"
Interior height at driver and passenger position	D	60"
Ramp length	E	52"
Ramp width (usable clear opening)	F	30"
Ramp angle*	G	13.75°
Interior floor length (behind front seat strikers)	H	71"
Overall interior floor length (flat area)	I	98.5"
Interior width at passenger doors (doors closed)	J	64"
Interior width - ramp (deployed) to optional 2-passenger seat (stowed)	K	49"
Ground clearance (loaded) @ = GVWR lbs**	L	5"
Overall vehicle height (unloaded)	M	81"

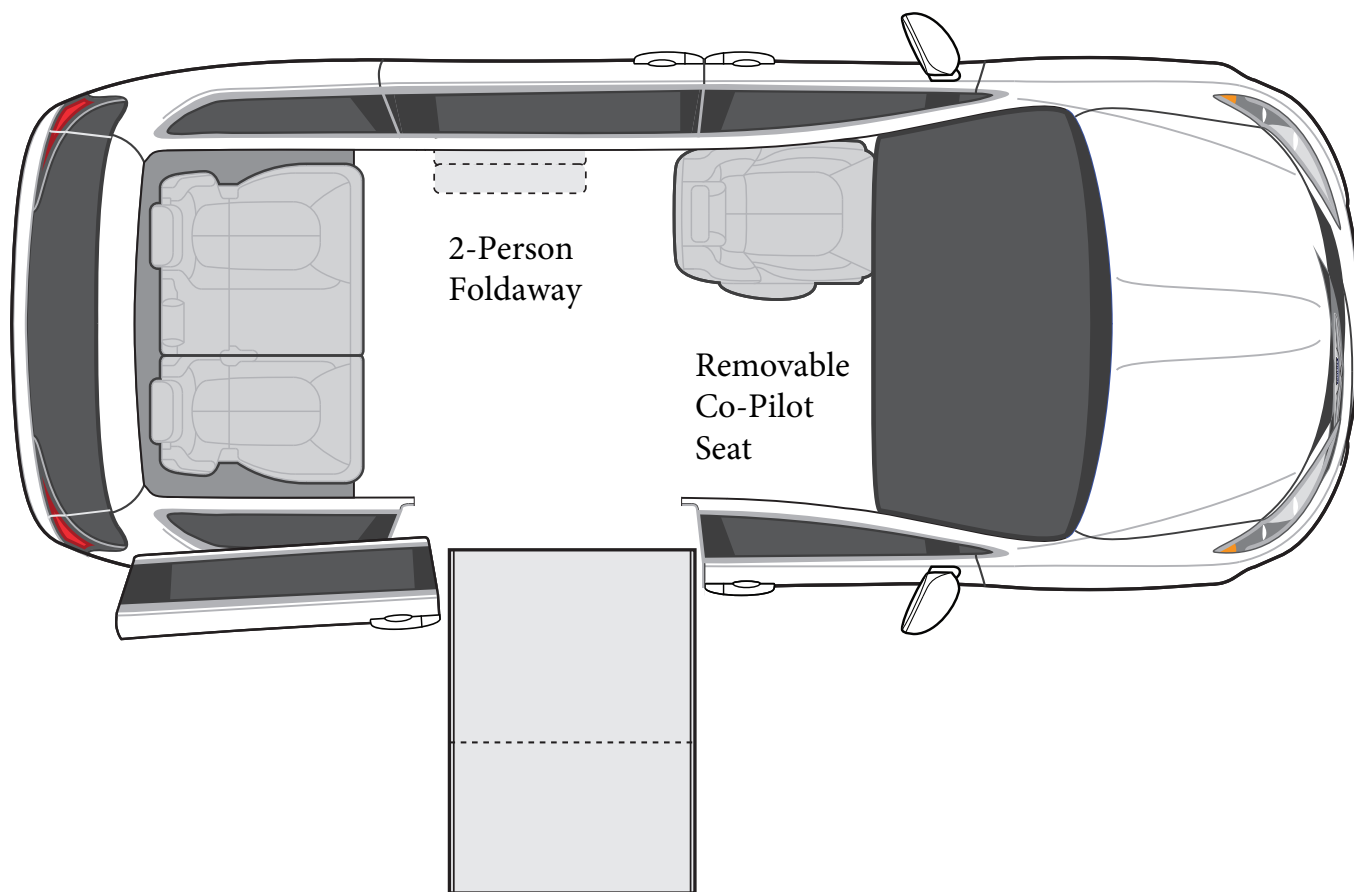
Due to manufacturing tolerances both with the OEM vehicle and the conversion components, all dimensions may vary slightly from those shown.

* Ramp angle may vary based on chassis trim level and other environmental factors

** 5" clearance between the break-over angle position of the vehicle exhaust pipe and level ground when loaded to capacity



Voyager Commercial Side-Entry



braunability.com/commercial

800.488.0359



Chrysler Voyager Fact Sheet

September 1, 2021, Auburn Hills, Mich. - The Chrysler Voyager holds its own distinct position in the award-winning Chrysler minivan lineup, providing a well-equipped, valued-priced fleet vehicle option. America's most affordable minivan, designed with the budget-minded fleet customer in mind, the 2022 Chrysler Voyager carries its own unique look and feel within the Chrysler minivan lineup and delivers exceptional driving experience at a pocketbook-friendly price.

Powered by the award-winning 3.6-liter Pentastar V-6 engine paired with a segment-exclusive TorqueFlite nine-speed automatic transmission, Voyager delivers 287 horsepower and 262 lb.-ft. of torque. Standard features highlight Voyager's versatility, capacity and utility, including seven-passenger seating with industry-exclusive second- and third-row Stow 'n Go seats, and all-new 7-inch Uconnect 5 enhanced touchscreen radio with integrated voice command with Bluetooth, Apple CarPlay and Android Auto smartphone compatibility.

Launched with a five-star overall safety rating from the U.S. National Highway Traffic Safety Administration (NHTSA), Voyager also comes standard with a long list of safety features, including seven airbags, daytime running lights, electronic stability control, Brake Assist, Child Seat Anchor System (LATCH), ParkView rear backup camera and more. Mobility innovations include available rear- and side-entry conversions that create a wider entryway and more interior space compared to a standard Voyager, as well as an enhanced ramp securement system, helping to ensure superior maneuverability and improved ease of entry and exit for wheelchair users. Bottom line: Voyager is a no-compromise minivan at an unbeatable value.

As the first company to introduce the minivan, and through six generations of the vehicle, Stellantis has innovated 117 minivan firsts. The company has sold more than 15 million minivans globally since 1983, twice as many as any other manufacturer in the past 37 years.

New

- The Chrysler Voyager, available in the fleet-only LX model, will now feature as standard equipment the all-new Uconnect 5 system, which is more personalized and easier to use, delivering enhanced processing power, resolution and system features to the Voyager's 7-inch touchscreen
- New Uconnect 5 system brings the Voyager over-the-air (OTA) update capability, the ability to connect two phones simultaneously with Bluetooth, Amazon Alexa voice control, Uconnect Market and wireless Apple CarPlay and Android Auto with voice recognition
- New as standard for the fleet LX model are second-row Stow 'n Go seats, power sliding doors and liftgate, inflatable spare tire kit and heated front-row seats with heated steering wheel
- Optional new Safety and Premium Group offers Blind-spot Monitoring, ParkSense rear park assist, Rear Cross Path detection, Full-speed Forward Collision Warning-Plus with Pedestrian

AEB, Uconnect 5 Navigation with 10.1-inch display, GPS navigation, Sirius XM 360L and Sirius XM Guardian

- A new color option, Silver Mist, is one of five available exterior color options for the 2022 Chrysler Voyager
- A new clear air filtration system is standard on Voyager and filters 95% of air particulates, reducing many types of solid and liquid airborne matter, such as dust, smoke, droplets and aerosols, making it the cleanest cabin air ever in a Chrysler vehicle

Highlights

- Part of the award-winning Chrysler minivan lineup, the Chrysler Voyager LX offers a value-add fleet-only model
- Voyager features the Gen 5 radar/forward camera/braking system, standard on Safety and Premium Group-equipped vehicles, which works in tandem to activate Pedestrian AEB when pedestrians are in the vehicle's path and the driver has not acted to brake
- Voyager features the next generation of the award-winning Pentastar V-6 gasoline engine, which delivers 287 horsepower and 262 lb.-ft. of torque, mated to a segment-exclusive TorqueFlite nine-speed automatic transmission
- Exterior features include a Voyager liftgate badge, 17-inch wheels and deep tint sunscreen glass; interior features of the Voyager LX include power driver's seat, second-row Stow 'n Go seats, in-floor storage bins, satellite radio and steering-wheel-mounted audio controls
- Voyager's available Safety and Premium Group also includes ParkSense rear park assist, Blind-spot Monitoring and Rear Cross Path detection
- With seven-passenger seating, Chrysler Voyager LX delivers a smooth, exceptionally quiet and comfortable ride
- A 3.5-inch driver digital information cluster display is standard on the Chrysler Voyager LX
- The Chrysler Voyager features Uconnect 5 with a 7-inch touchscreen, AM/FM, AUX/USB, integrated voice command with Bluetooth, wireless Apple CarPlay and Android Auto
 - Apple CarPlay enables iPhone users to access Apple Maps, messages, phone and Apple Music through Siri Voice control or the Uconnect touchscreen
 - Android Auto enables easy and safe access to Google Voice Search, Google Maps and Google Play Music via the Uconnect touchscreen or steering-wheel controls
- For audiophile-quality sound, the Chrysler Voyager comes standard with six speakers and Active Noise Cancellation
- Mobility innovations include available rear- and side-entry conversions that create a wider entryway and more interior space compared to a standard Voyager, as well as an enhanced ramp securement system, passenger seat flexibility and plenty of room for even the largest power wheelchairs and scooters
- The 2022 Chrysler Voyager is built at the Windsor Assembly Plant (Ontario)

Model Lineup

For the Chrysler Voyager offers a value-add fleet-only model:

- LX

Available Exterior Colors

- Silver Mist (new)
- Brilliant Black Crystal Pearl Coat
- Bright White Clear Coat
- Granite Crystal Metallic Coat
- Velvet Red Pearl Coat

Available Interior Colors

- Black (cloth)

More Information

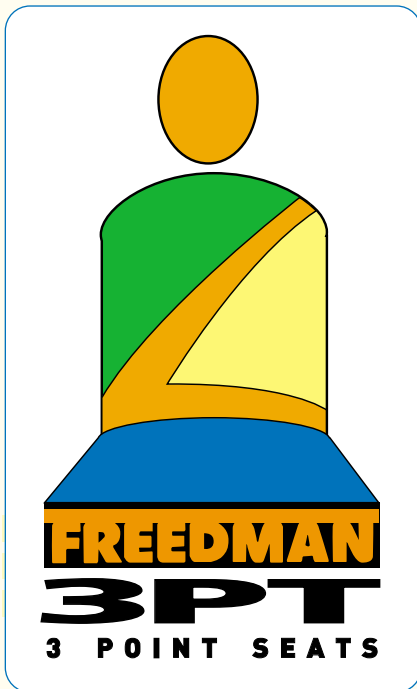
Please visit the [Chrysler Voyager](#) newsroom for the latest product information, photography, videography, plus access to specification and feature availability documents.

Chrysler Brand

The Chrysler brand has delighted customers with distinctive designs, craftsmanship, intuitive innovation and technology since the company was founded in 1925. The Chrysler Pacifica continues to reinvent the minivan, a segment Chrysler invented, with an unprecedented level of functionality, versatility, technology and bold styling and the most advanced available all-wheel-drive system in its class. The available innovative hybrid powertrain takes this revolutionary vehicle a step further. It's the first electrified vehicle in the minivan segment and achieves more than 80 MPGe in electric-only mode, has an all-electric range of more than 30 miles and a total range of more than 500 miles. Chrysler Voyager offers fleet owners a budget-friendly minivan that also provides a well-equipped, exceptional driving experience. The Chrysler 300 lineup delivers on the brand's promise of iconic and elegant design executed with world-class performance, efficiency and quality – all at an attainable value. Chrysler is part of the portfolio of brands offered by leading global automaker and mobility provider Stellantis. For more information regarding Stellantis (NYSE: STLA), please visit www.stellantis.com.

The Freedman 3PT

3 POINT SEATS



Not Just Seats...
Seating Solutions!

FREEDMAN
SEATING COMPANY

Standard features & benefits:

- Integrated 3 point seat belt (shoulder and lap)
- Conveniently located belts are designed to not fall on the floor
- Mid back seats come standard with grab rail for head & neck support
- High back seats have a headrest that does not block passenger viewing
- Knee Saver back for superior hip to knee room
- Contoured seat and back cushion for comfort and support
- Flexolator grid suspension for long lasting seat comfort
- All 3PT seats are designed, built and tested to meet FMVSS 210
- Bolts to most wall and floor track configurations
- Jig welded heavy-duty tubular frames

Not Just Seats... Seating Solutions!



*Stowed Position
Flip Seat*

Options:

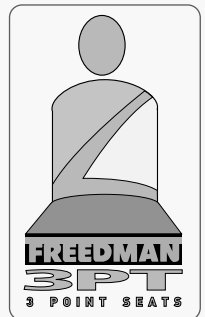
- Rigid or reclining back rests
- Flip seats (singles or doubles)
- Foldaway seats (singles or doubles)
- CRS-225 hooks and tether
- Flip up U.S. Arms
- FTA foam
- Mesh map pockets
- Foot rests
- Your choice of vinyl or cloth
- Integrated wheelchair restraints, call/stop buttons and ADA options



*Stowed Position
Foldaway Seat*



Freedman Seating Company
4545 W. Augusta Blvd.
Chicago, IL 60651
(773) 524-2440
(800) 443-4540
sales@freedmanseat.com
www.freedmanseating.com



We are constantly updating and improving our seats; therefore we reserve the right to change or modify specifications or materials without notice. All Freedman Seating Company seats meet or exceed FMVS standards.

QRT[®]-1 SERIES

in ALL THREE (3) STYLES of vehicles



MAX / DELUXE / STANDARD
4-POINT SECUREMENT
WHEELCHAIR RETRACTORS



QRT[®]-1 SERIES

The Securement System That Changed Everything

The original 4-point wheelchair securement system, QRT-1 Series retractors defined the way passenger safety devices are designed and tested.

With a range of 3 different options to fit every need and every budget, the QRT-1 Series of retractors offer easy to use, effective 4-Point securement of wheelchairs for virtually any vehicle application.



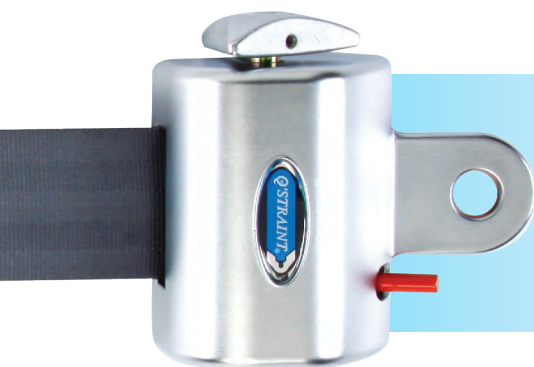
QRT MAX

FULLY AUTOMATIC, premium knobless retractor that allows for one-handed operation.



QRT DELUXE

SELF-LOCKING & SELF-TENSIONING retractor with ergonomic housing and dual tensioning knobs.



QRT STANDARD

SEMI-AUTOMATIC retractor that meets all industry standards and specifications.



More than 30 years ago, Q'STRAIT introduced the world's first fully integrated 4-Point wheelchair passenger securement system, now an industry standard the world over.

The QRT line of retractors are the linchpin of that system.



Anchorage Options

All QRT-1 Series Retractors are compatible with L-Track, L-Pockets and Slide 'N Click anchorages, or may be directly mounted to vehicle floors, seat legs or barriers.



Every QRT retractor is fully ADA compliant, and meets or exceeds all standards and regulations, including:

- SAE J2249, ISO 10542,
- FMVSS 209, 302, 210, 222
- CMVSS 209
- CSA Z605
- and 30mph/20g crash testing

L-TRACK / L-POCKETS

For kits that use L-Track or L-Pocket anchorages, QRT Series retractors feature our patented Positive Lock Indicator (PLI) that clearly indicates when the fitting is locked in the anchorage.

SLIDE 'N CLICK

For kits that include Slide 'N Click anchorages, QRT Series retractors feature a single-bolt SNC assembly and plunger that allows a full 360° rotation, eliminating anchorage alignment guesswork.

QRT-1 SERIES FEATURES COMPARISON

	MAX	DLX	STD	
Knobless, One-Handed Operation. No knobs to interfere with wheels and footrests.	●			
Dual Tensioning Knobs. Provides additional tensioning if needed.		●		
Single Tensioning Knob. Provides additional tensioning if needed.			●	
Automatic, Self-Locking. Allows easy, one-handed hook-up.	●	●		
Self-Tensioning. Retractors automatically take up 'slack'.	●	●		
Positive Lock Indicator. Patented feature clearly indicates when fitting is locked in anchorage.	●	●	●	
Interchangeable. Eliminates confusion: no right, left, front or rear locations.	●	●	●	
Low Profile & Compact. Elimination of mounting bracket allows retractors to fit under most footrests.	●	●	●	
Accommodates Larger Wheelchairs. Reduced overall length leaves more room for wheelchairs.	●	●		
Ultra-Durable. Hardened steel and coated zinc for maximum corrosion resistance.	●	●	●	
Universal Design. Accommodates virtually all wheelchair designs, including scooters.	●	●	●	
J-Hook. Reduces twisting of belts and ensures proper securement for all wheelchair designs.	●	●	●	
Foot Release Lever. Easy release eliminates the stress of bending down.	●	●	●	



WWW.QSTRAINT.COM/QRT-1-SERIES

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Fax: +61 7 3892 1819
Email: info@tramanco.com.au



**B23001311 (STP-5310-22AR) Submission from Soderholm Sales &
Leasing, Inc.**

Sunset Vans

Aloha State of Hawaii,

Sunset Vans Wheelchair Accessible Vehicles are:

- **Industry Leading Quality** – Over 30 years of history designing, manufacturing, and delivering high-quality vehicles with a focus on non-emergency medical transportation.
- **Ford Quality Vehicle Modifier (QVM)** – Successfully evaluated by Ford on an annual basis, covering criteria such as engineering, the manufacturing process, quality control, and adherence to Ford QVM guidelines.
- **Expanding Manufacturing Plant** – Growing from a boutique van upfitter to a well-established and one of the largest manufacturers in the industry, Sunset has been growing exponentially. They are currently in the process of multiplying their manufacturing footprint by 5 times.

We know that the recipients of the State's funding for these vehicles will be happy with the quality, safety, and comfort that they provide.



EPA ESTIMATED 15 CITY
19 HIGHWAY



3.5 PFDI V6 ENGINE, 3.5L ECOBOOST® V6
2.0L I-4 ECOBLUE TURBO DIESEL



20%-46% BETTER FUEL ECONOMY
THAN PREVIOUS E-SERIES VANS



FORD TRANSIT 130 WB STANDARD LENGTH: REAR OR SIDE LIFT

✓ STANDARD FEATURES

- SV Easy Clean ABS Interior Kit
- High Output Rear A/C & Heat with Roof Vents
- SV Track Securement System (Pat. Pending)
- Rear or Side Lift Configuration with Interlock
- SV Lift and Seat Support System
- Retractable Shoulder Belts
- High Quality Freedman Seating
- (2) Wheelchair Securement Tie Downs ADA (30/20)
- SV Heavy Duty Running Boards
- Commercial Grade Altro Flooring
- 3 year/36k Mile Upfit Warranty
- Customizable Floor Plans Available

Spacious, comfortable, powerful, and fuel-efficient, the Ford Transit is a mainstay amongst NEMT providers, community homes, and hospitals across the nation. The 2020 Ford Transit's standard length wheelbase measures in at 130 inches and comes with options for low or medium height roofs. With room for 1 to 2 wheelchair occupants and up to 8 passengers, the Ford Transit standard length model is ideal for providers. The new 3.5 PFDi (Port Fuel and Direct Injection) V6 Engine cranks out approximately 275 HP and is smaller and more fuel efficient than engines from previous years. The engine comes mated to a new, seamless 10-speed automatic transmission that replaces the previous generation's 6-speed automatic added fuel efficiency every road condition. All the amenities you need to keep your passengers comfortable come equipped— A/C, heater, power doors/locks, dome lamps with theater dimming, Bluetooth audio system with USB input jacks, rear view camera, and a multi-function display, to name a small few. Along with our fully ADA and CARB-compliant wheelchair conversions expertly engineered right here in Southern California, the Transit comes standard with Pre-Collision Assist Automatic Emergency Braking, Post-Collision Braking, Back-up Alarms, and FMVSS Compliant Windows. Loaded with value even on the base model, Sunset Vans' Ford Transit in Regular Length is the ideal vehicle for your first foray into the accessibility van market or as an addition to your existing fleet.

CALL FOR MORE INFO 

SUNSET VANS

Call 888.280.8267
sales@sunsetvans.com
www.sunsetvans.com

✓ OPTIONAL FEATURES



- Braun Millennium 37" Wide Lift
- Braun or Ricon 1000 Lb Lift
- Gurney Hardware
- Shuttle Seating Available
- Upgraded Retractable Tie Downs
- Oxygen Tank Holders
- Co-Pilot360 Safety Technologies
 - Adaptive Cruise Control
 - Enhanced Active Park Assist
 - Blind Spot Information System (BLIS) with Cross-traffic Alert
 - Lane-Keeping System
 - Side Sensing System
 - Front and Rear Split-View Camera
- FordPass Remote Technology
- Premium Body Trim Packages (XL, XLT)



FORD TRANSIT 130 WB

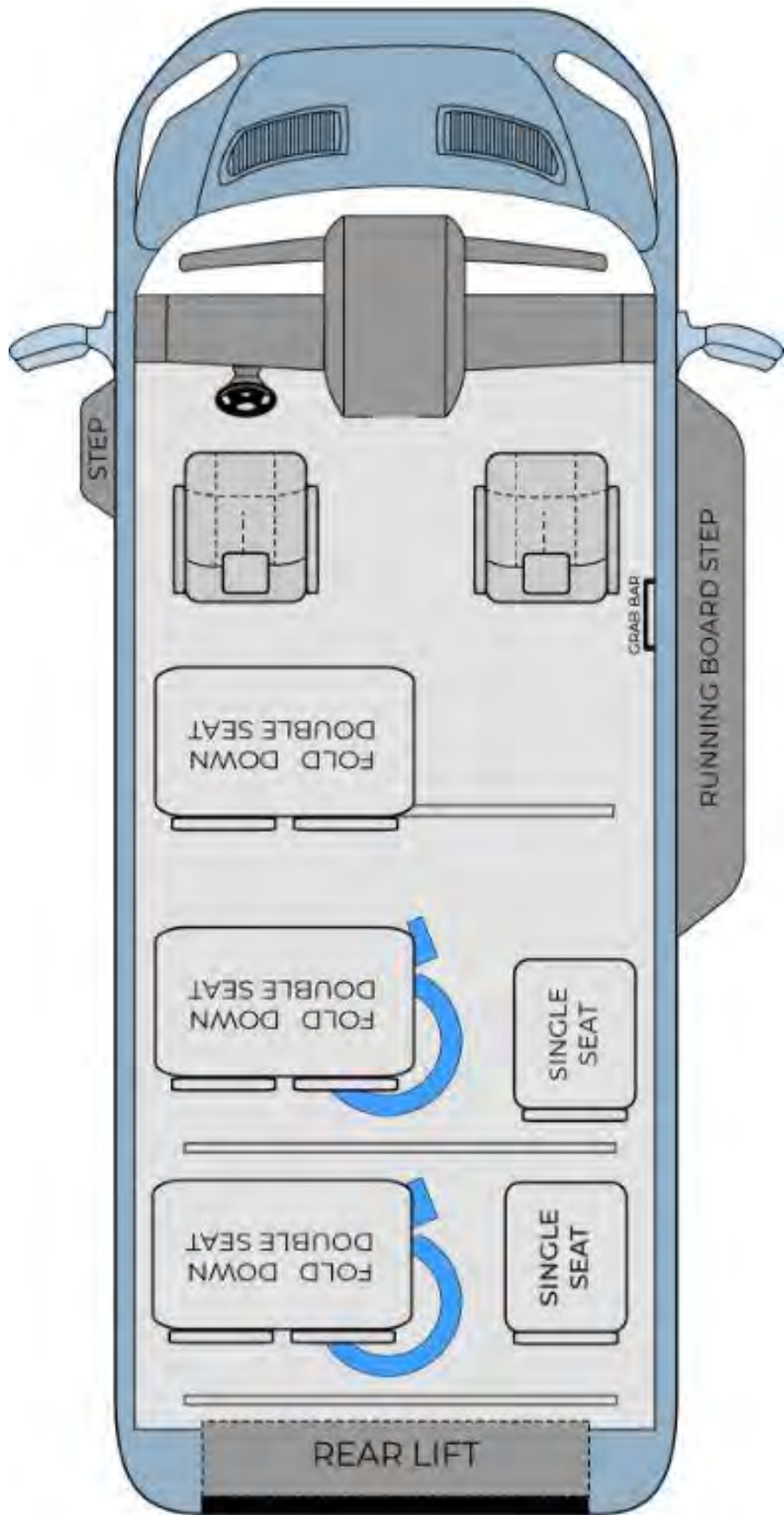
STANDARD LENGTH: REAR OR SIDE LIFT



GET YOURS TODAY +

SUNSET VANS

Call 888.280.8267
sales@sunsetvans.com
www.sunsetvans.com



2021 FORD TRANSIT[®] CARGO VAN

Full-Size Vans Class

Models: Transit-150, Transit-250, Transit-350, Transit-350 HD



Transit-150 MR Long Length Cargo Van, Oxford White. Available equipment.

EXTERIOR COLORS⁴



INTERIOR COLORS⁴



2024 Model Year



Available and aftermarket upfit equipment.



Available and aftermarket upfit equipment.



Available and aftermarket upfit equipment.

STANDARD FEATURES

- 2 USB ports in 1st row
- 12V powerpoints (2)
- AdvanceTrac[™] with RSC[®] (Roll Stability Control[™]) with Side-Wind Stabilization
- Airbags – Driver and front-passenger front, front-seat side, and Safety Canopy[®] System with side-curtain airbags
- Alternator – 250-amp
- Door – Sliding passenger-side
- Engine – 3.5L PFDI V6
- Flooring – Vinyl front
- FordPass[™] Connect¹ with 4G LTE Wi-Fi hotspot capability²

- Mirrors – Power-adjustable short-arm sideview
- Rear recovery eye
- Remote Keyless Entry System
- SecuriLock[®] Passive Anti-Theft System
- SOS Post-Crash Alert System[™]
- Tilt/telescoping steering column
- Tire Pressure Monitoring System (TPMS; excludes spare)
- Transmission – 10-speed SelectShift[®] automatic with overdrive

FORD CO-PILOT360[™] TECHNOLOGY

STANDARD FEATURES:

- Auto High-Beam Headlamps
- Forward Collision Warning
- Hill Start Assist
- Lane-Keeping System
- Post-Collision Braking

- Pre-Collision Assist with Automatic Emergency Braking (AEB)
- Rain-Sensing Windshield Wipers
- Rear View Camera with Trailer Hitch Assist

AVAILABLE FEATURES

- 3 lengths: Regular, Long and Extended-Length
- 3 roof heights: LR, MR and HR³
- 110V/400W AC power outlet
- Adaptive Cruise Control
- Adjustable Speed Limiting Device (ASLD)
- All-Wheel Drive (AWD)
- Alternator – Dual
- Autolamp (Automatic On/Off Headlamps)
- BLIS[®] (Blind Spot Information System) with Cross-Traffic Alert and Trailer Coverage
- Doors – Power-sliding side (MR, HR)
- DRW (dual rear wheels)
- Engine – 3.5L EcoBoost[®] V6 with Auto Start-Stop Technology
- Engine hour meter
- Enhanced Active Park Assist
- Extended-range fuel tank (31 gallons; Long and Extended-Length)
- Flooring – Heavy-duty cargo
- Heavy-duty front axle

- Programmable battery guard/enhanced cutoff relay
- Reverse Sensing System
- Side Sensing System
- SYNC[®] 3 with 6.5" LCD capacitive touchscreen with AppLink[®] 911 Assist[®] and 2 smart-charging USB ports
- Trailer brake controller (TBC)
- Trailer wiring provisions
- Upfitter Interface Module
- Vehicle Maintenance Monitor

FLEET EXCLUSIVES

- Daytime running lamps
- Decal (up to 15-, 25-, 45-, 70- or 95-sq.-ft.)
- Sideview mirrors delete
- Smart Acceleration Truncation
- Speed limitation (65-, 70- or 75-mph governed top speed options)

AVAILABLE PACKAGES⁷

- Adventure Prep Package (47N)
- Ambulance Prep Package (47B)
- Auxiliary Heater/AC Prep Package (62C)
- Auxiliary Heater Prep Package (62A)
- Exterior Upgrade Package (18D/18L)
- Heavy-Duty Scuff Plate Kit (85B)
- Heavy-Duty Trailer Tow Package (53B)

- Interior Upgrade Package (96C)
- Load Area Protection Package (96D)
- Modified Vehicle Wiring System (53K)
- Parcel Delivery Package (47G)
- RV Prep Package (47D)
- Scuff Plate Kit (85A)
- Upfitter Package (67C)

DIMENSIONS & CAPACITIES

	Wheelbase (in.)	Overall Height (in.)	Overall Length (in.)	Cargo Volume (cu. ft.)
Low Roof (LR)				
Transit-150/250/350	129.9	82.2	219.9	246.7
Transit-150/250/350	147.6	82.9	237.6	277.7
Medium Roof (MR)				
Transit-150/250/350	129.9	99.1	217.8	315.2
Transit-150/250/350	147.6	101.3	235.5	357.1
High Roof (HR)				
Transit-250/350	147.6	109.6	235.5	404.3
Transit-250 Extended-Length/ 350 Extended-Length	147.6	110.4	263.9	487.3
Transit-350 HD Extended-Length (DRW)	147.6	110.4	263.9	487.3

CAPABILITIES⁸ (lbs.)

	Max. GVWR
Transit-150 LR/MR	8,670
Transit-250 LR/MR/HR/HR Extended-Length	9,070
Transit-350 LR/MR/HR/HR Extended-Length	9,500
Transit-350 HD HR Extended-Length (DRW)	9,950/10,360/11,000

ENGINES

	3.5L PFDI V6	3.5L EcoBoost V6 (AWD) with Auto Start-Stop Technology	3.5L EcoBoost V6 (RWD) with Auto Start-Stop Technology
Horsepower (hp @ rpm)	275 @ 6,250	295 @ 5,000	310 @ 5,000
Torque (lb.-ft. @ rpm)	260 @ 4,000	375 @ 2,500	400 @ 2,500

Horsepower and torque are independent attributes and may not be achieved simultaneously.

¹FordPass Connect, the FordPass App, and complimentary Connected Service are required for remote features (see FordPass Terms for details). Connected service and features depend on compatible AT&T network availability. Evolving technology/cellular networks/vehicle capability may limit functionality and prevent operation of connected features. Connected service excludes Wi-Fi hotspot. FordPass App, compatible with select smartphone platforms, is available via download. Message and data rates may apply. ²Wi-Fi hotspot includes complimentary wireless data trial that begins upon AT&T activation and expires at the end of 3 months or when 3GB of data is used, whichever comes first, but cannot extend beyond the complimentary subscription period for remote features. To activate, go to www.att.com/ford. ³HR not available on Transit-150. ⁴Available on select series. Restrictions may apply. See your dealer for details. ⁵Fleet only. ⁶New for 2021. ⁷Visit fleet.ford.com for complete package content. ⁸Maximum capabilities shown are for properly equipped base vehicles with required equipment and a 150-lb. driver and vary based on cargo, vehicle configuration, accessories and number of passengers. See label on door jamb for carrying capacity of a specific vehicle. For additional information, see your Ford Dealer.

in Starcraft & Sunset Vehicles

NCL1000-2 Century Series™

Commercial Wheelchair Lifts



**1,000 lb
Lifting
Capacity**

 **BraunAbility**
Life is a Moving Experience™

NCL1000-2 Century Series™

- 1,000 lb lifting capacity
- Fully automatic FMVSS 403 compliant lift, operated by an attendant
- Loading position - either direction
- Interfaces with OEM interlocks
- Long lasting LED lift mounted lights that are active when vehicle interlocks are engaged and lift power switch is on
- Hand-held control box with illuminated functions
- Locking mechanical Inboard Barrier (IB), powder coated yellow for safety and high visibility, prevents operation if occupied
- Pump design prevents platform folding when occupied, quiet operation & low current draw
- Durable redesigned baseplate reduces lift weight and allows for quicker and easier service of hose/wiring
- Easily installed, step-by-step installation instructions, no peripheral hardware required
- Platform movement prevented during unsafe operation
- Gas spring activated outer barrier detects roll stop occupancy as the platform leaves the ground, complete with durable rubber nose guard
- Transition areas marked with durable high-gloss yellow powder coating for safety & visibility
- Side or rear door application
- Several platform widths and lengths
- Dual handrails for security and convenience
- Bridging feature permits the wheelchair user to board the lift from sidewalks or inclines
- Floor to ground travel is 48"
- Integrated back-up pump
- Equipped with an adjustable anti-rattle feature to avoid unpleasant noise in the vehicle during transit
- Durable high-gloss powder coated finish
- Lift-Tite system stows the lift platform securely while the vehicle is in transit
- Pump module with removable cover offers easy access to all components
- Optional handrail belt



Integrated dual handrails provide added security for wheelchair users and standees



Visual and audible warnings alert both passengers and attendants to unsafe conditions



Gas spring activated outer barrier detects roll stop occupancy as the platform leaves the ground



MADE IN
USA

 **BraunAbility**
Life is a Moving Experience™

631 West 11th Street • Winamac, IN 46996

(574) 946-6153 • 1-800-THE-LIFT

www.braunability.com/commercial

GO-ES SEAT



in Starcraft & Sunset Vehicles

The new **Go-ES Foldaway Seat** is the slimmest, lightest, and most customizable foldaway on the market. Designed with your customers in mind, this seat is delivered "option-ready" for easy maintenance and accessorizing in the field. Whether creating space for a wheelchair passenger, or making room for luggage, Freedman's Go-ES Foldaway will exceed your needs.



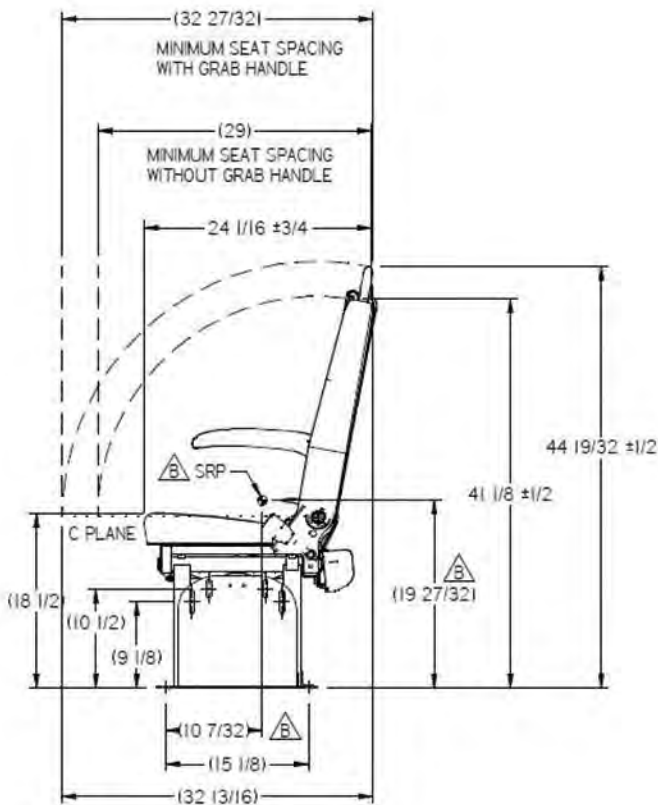
- Lightweight
- External 3PT belts
- Easily installed options
- Decreased maintenance and installation costs
- Lock-N-GO cushions that snap in and out

FOLDAWAY

FREEDMAN
SEATING COMPANY

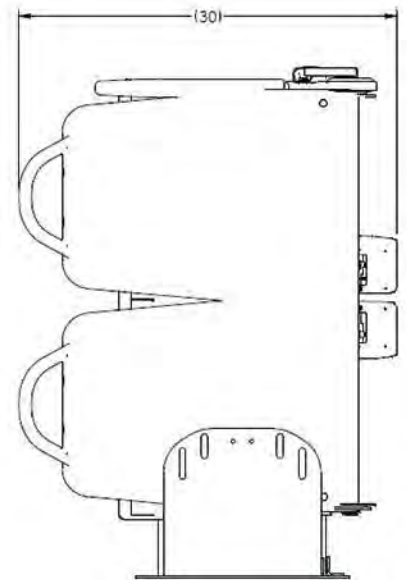
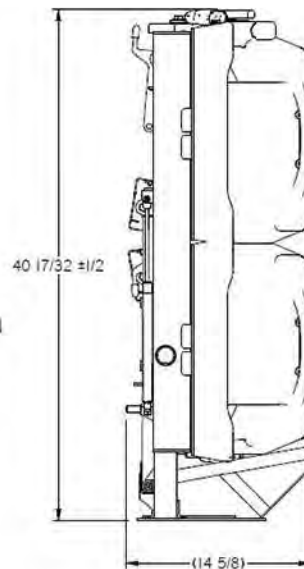
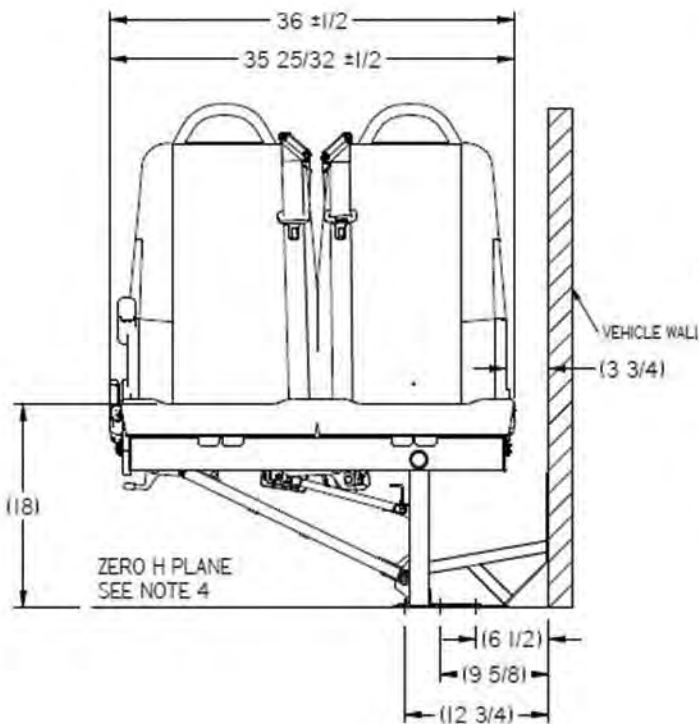
GO-ES SEAT

The Freedman GO ES-SEAT is designed for flexibility to accommodate your passengers' growing needs. Options are modular and can be installed at any time.



OPTIONS

- Offered in rigid, foldaway and flip seat variations
- 16", 17 1/2", and 19" widths
- Your choice of vinyl or cloth
- External 3PT belts
- USR belts
- Molded grab handle
- Sanitized™ antimicrobial grab handle
- US arms
- CRS 225 hooks and tether
- Mesh map pocket
- 12V, 110V and USB outlets



Not Just Seats



Seating Solutions™



MADE IN THE U.S.A.

We are constantly updating and improving our seats; therefore we reserve the right to change or modify specifications or materials without notice. All Freedman Seating Company seats meet or exceed FMVS standards.

FREEDMAN
SEATING COMPANY

4545 W. Augusta Blvd., Chicago, IL 60651
(773) 524-2440 (800) 443-4540 Fax (773) 252-7450

WWW.FREEDMANSEATING.COM
e-mail: sales@freedmanseating.com

ISO 9001:2008 registered

FREEDMAN

in Starcraft & Sunset Vehicles

T.D.S.S.

Tie-Down Storage System

Tie-Down Storage System and Retrofit kits

- Eliminates need for bulky storage bags or boxes
- Belts storage is quick and easy on the bottom of a Foldaway Seat
- Belts stay clean and easily accessible
- Decreases wheelchair tie down time—belts are right there
- No belt storage on floor
- Less chance of lost belts
- Works with standard "L" track fittings and the Q'Straint Slide n' Click
- Available on Freedman Seating AM and BV Foldaways
- **NEW!** TDSS Retrofit kit is simple and easy to install with basic hand tools and requires no drilling or welding

TDSS-L Option to have TDSS for "L" track fittings on a foldaway

TDSS-LR Retrofit kit to add the TDSS for "L" track fittings on a foldaway

TDSS-SC Option to have TDSS for slide n' Click fittings on a foldaway

TDSS-SCR Retrofit kit to add the TDSS for Slide n' Click fittings on a foldaway

Seat shown is a high/back BV Foldaway.

Turn the TDSS into a WCSS (Wheel Chair Storage System). This system is designed to secure wheel chairs when they are not being used. Stored chairs can be held in place with either the wheel chair restraints or a seat belt kit that attaches in seconds.

WCSS-L60 60" lap belt with "L" track fittings

WCSS-L90 90" lap belt with "L" track fittings

WCSS-SC60 60" lap belt with Slide n' Click fittings

WCSS-SC90 90" lap belt with Slide n' Click fittings

Not Just Seats



Seating Solutions™

FREEDMAN
SEATING COMPANY

an ISO 9001:2000 certified company

4545 W. Augusta Blvd., Chicago, IL 60651
(773)524-2440 (800)443-4540 Fax (773)252-7450

WWW.FREEDMANSEATING.COM

e-mail: sales@freedmanseat.com

ISO 9001:2000 registered

We are constantly updating and improving our seats; therefore we reserve the right to change or modify specifications or materials without notice. All Freedman Seating Company seats meet or exceed FMVS standards.

Belts not included.



TDSS-L



NEW! TDSS-SC



B23001311 (STP-5310-22AR) Submission from Soderholm Sales & Leasing, Inc.

Forest River – Starcraft Allstar

Aloha State of Hawaii,

Forest River’s Starcraft buses are:

- **Owned by Warren Buffet’s Berkshire Hathaway** – Gives Starcraft the funding it needed to become the number 1 cutaway bus in America. With the introduction of each new model, Starcraft continues to innovate and elevate what customers expect from a shuttle bus.
- **In 2006, the Allstar became the only bus to go through Altoona Testing’s 7-year/200K mile test with zero failures.**
- **Fiberglass Reinforced Plastic (FRP) Sidewall Interior** – Easy to clean and maintain, and highlights the professional fit and finish of the entire construction.
- **Built on the industry-leading Ford E450 Chassis** – wide availability of parts, ease of service, and decades of design and engineering behind it. The Ford E450 will integrate easily into most of the recipients’ fleets as most of these organizations already have E450s in operation.

We are firm believers that **the Starcraft Allstar** that we are proposing for the 14-passenger category will meet or exceed the requirement set forth for this procurement!

The Allstar



Safety. Performance. Durability.

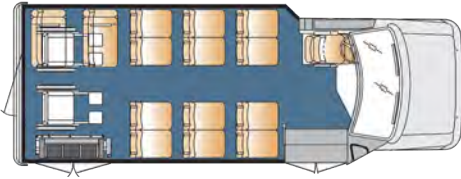
Engineered for safety and designed for comfort, the Starcraft Allstar continues to be one the best-selling shuttle buses in the market. Standard equipment that includes a backup camera for safety and 4-inch low standard floor wheel wells for passenger seating comfort makes the Allstar a great addition to your fleet.



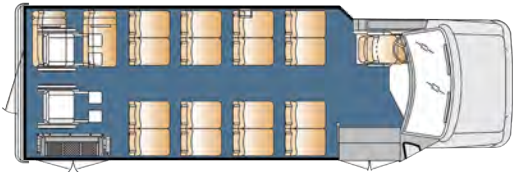
STARCRAFT BUS

Meeting America's Transportation Needs
One Customer at a Time

The Allstar



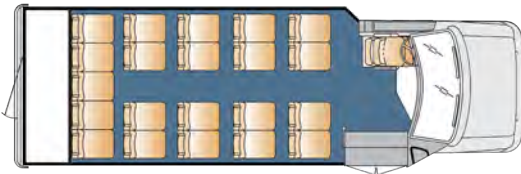
12 Passenger 2 Wheelchair with Foldaway Seats Plus Driver



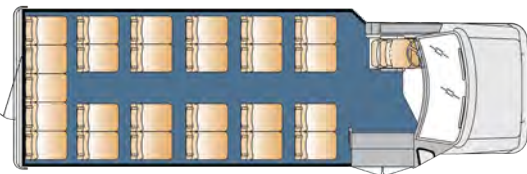
16 Passenger 2 Wheelchair with Foldaway Seats Plus Driver



20 Passenger with Interior Luggage Plus Driver



21 Passenger with Rear Luggage Plus Driver



25 Passenger Plus Driver



Industry Leading 5-Year/100K
Comprehensive Warranty

Standard Exterior Feature Highlights

- Fully welded steel cage construction meeting all applicable FMVSS requirements
- “Starview” drivers visibility window in front of entry door
- Electric actuated passenger entry door with full length glass
- 36" wide x 36" high upper double T-Slider tempered safety glass windows with climate control tint
- Black powder coated steel rear bumper
- Rear mud flaps
- Pre-painted white aluminum sidewall and skirts
- Fiberglass front and rear caps
- One-piece seamless FRP (fiberglass reinforced plastic) roof
- Breakaway rearview mirrors with built-in convex
- Sealed LED stop, tail, and turn signal lights with LED back-up lights
- LED front and rear marker lights
- Exterior graphics package available in three colors (blue, green or burgundy)

Standard Interior Feature Highlights

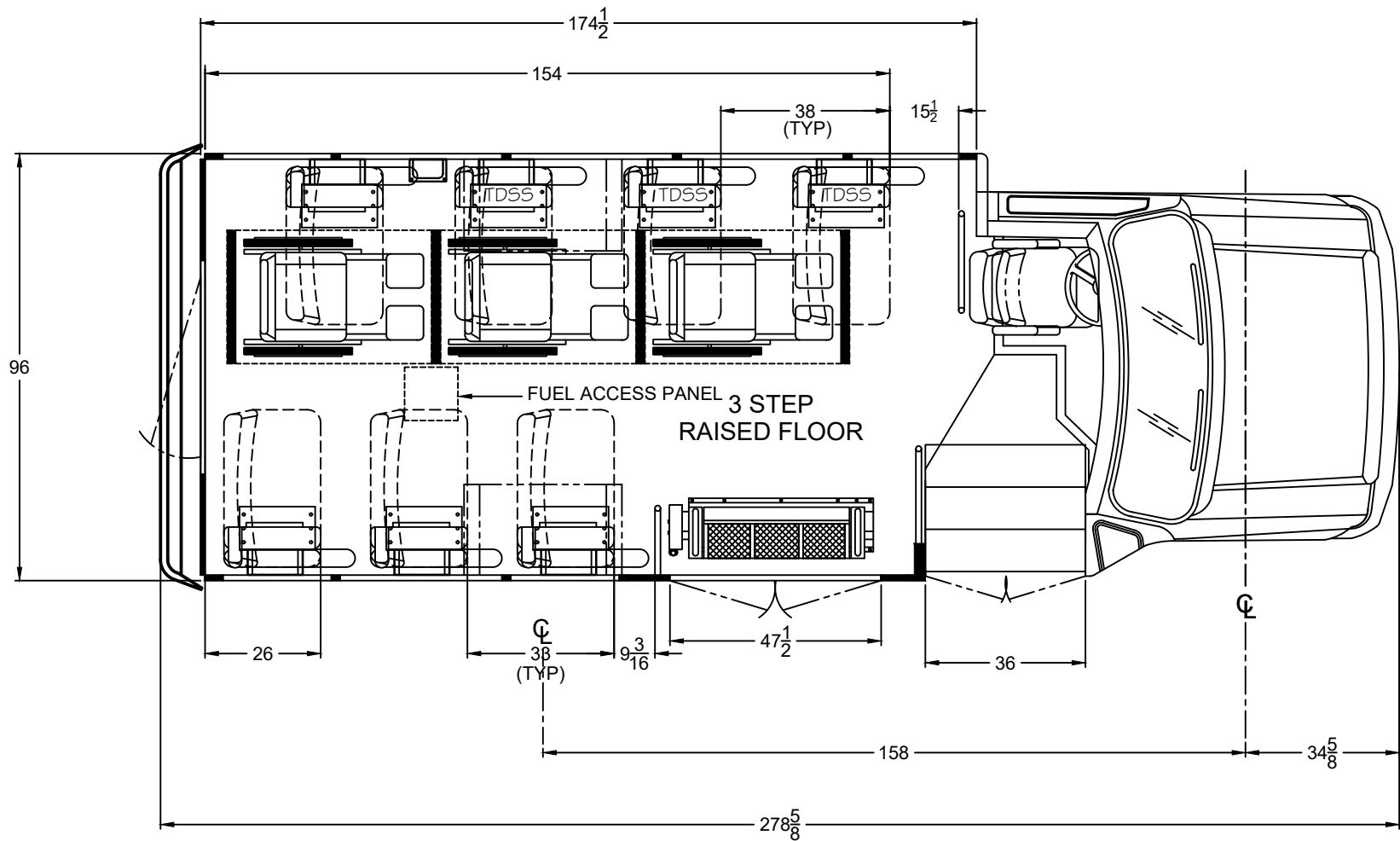
- 93" interior width
- 80" interior floor to ceiling height with standard floor (raised floor is 75")
- Floor and wall seat track for flexible seating
- Black slip resistant floor covering
- 5/8" exterior grade plywood flooring
- Ceiling and rear wall fabric for sound abatement
- FRP (fiberglass reinforced plastic) sidewalls for ease of cleaning
- White step nosing
- 1.25" left hand vertical passenger assist rail at entry door
- Intermotive FlexTech Electrical System
- LED entry door step well lights
- LED driver and passenger area lighting
- Non-retractable seat belts

Popular Option Highlights

- Stainless steel wheel inserts
- Luggage Storage areas (overhead luggage racks with reading lights, interior luggage racks, rear luggage area)
- Rear emergency door with window(s)
- Passenger area rear heat and air conditioning
- Complete rubber flooring
- Passenger grab rails
- Padded vinyl or cloth walls and ceiling
- Audio and video systems
- Mid back or high back seating
- ADA and FMVSS compliant wheel chair lifts and securement systems
- Fiberglass side walls and skirts



STARCRAFT BUS



NOTE: SHOWN WITH GO-ES 3PT FREEDMAN SEATS
 E-450 14,500 GVWR
 THIS FLOOR PLAN IS FOR ILLUSTRATION PURPOSES ONLY.
 A WEIGHT ANALYSIS HAS NOT YET BEEN PERFORMED.
 FINAL APPROVAL WITH A WEIGHT ANALYSIS IS REQUIRED UPON RECEIPT OF A
 COMPLETED ORDER WITH ALL OPTIONS SHOWN.
 OPTIONAL EQUIPMENT MAY BE SHOWN.
 THE SALES ORDER PLACED DICTATES ACTUAL OPTION CONTENT.

DEALER APPROVAL

APPROVED

 CUSTOMER SIGNATURE

**SCALE
 IN INCHES**



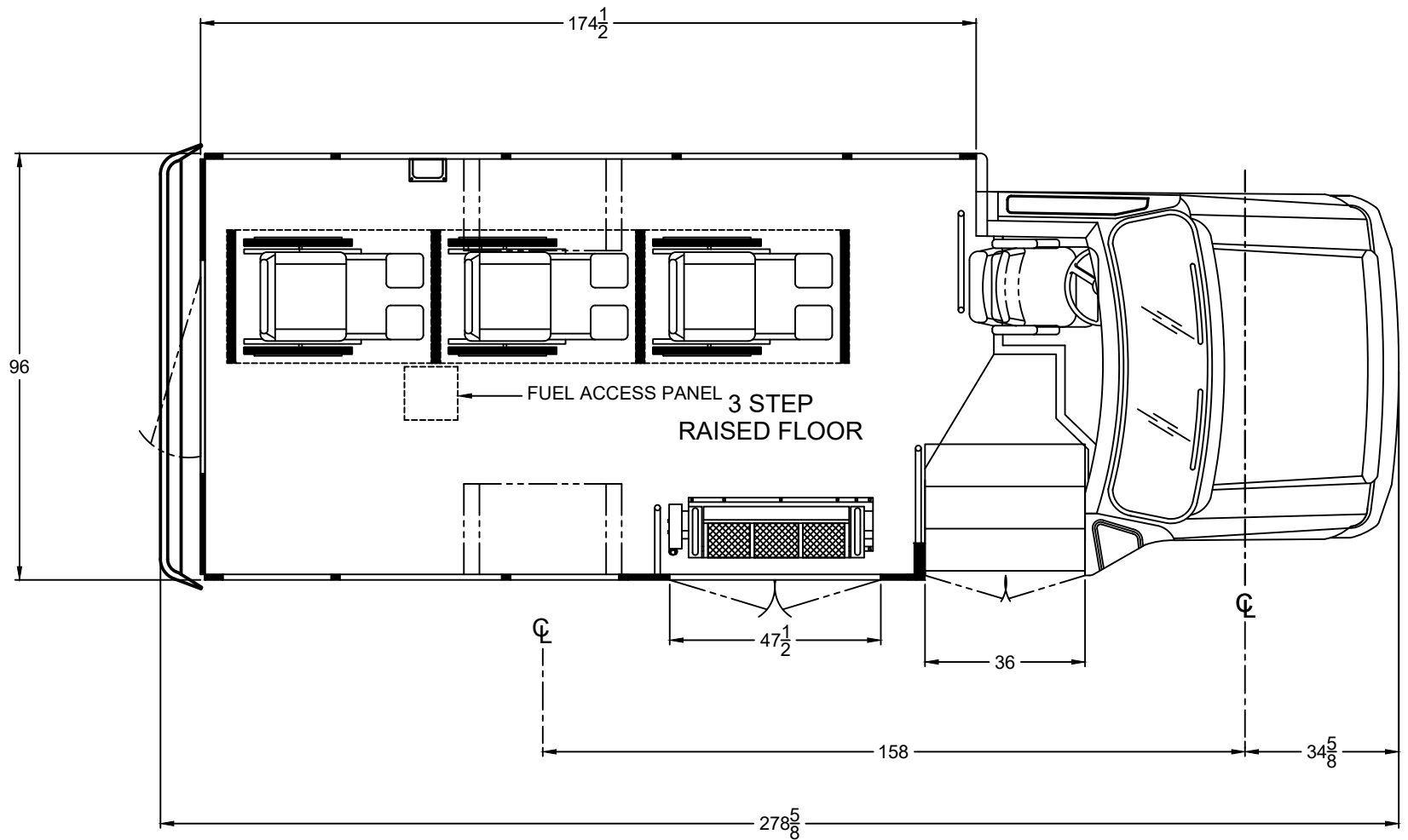
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REV. LET.	DESCRIPTION OF CHANGE	BY	CHK	DATE	ECN No.

TOLERANCE UNLESS OTHERWISE SPECIFIED	
WOOD	OTHER
+ 1/8"	+ 1/16"
+ 1°	+ 1/2°



TITLE: 3 WC 7 DB FOLD 158 WB 163 BDY MODEL 22	
NAME: CMR	DATE: 12/06/21
DWG. No. 3 WC 7 DB FOLD 158 163 FRB	



NOTE: SHOWN WITH GO-ES 3PT FREEDMAN SEATS
 E-450 14,500 GVWR
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NAME: CMR	DATE: 12/06/21
DWG. No. 3 WC 7 DB FOLD 158 163 FRB	

STARCRAFT ALLSTAR/STARLITE STANDARD EQUIPMENT

EXTERIOR STANDARD FEATURES/ITEMS

EXTERIOR LIGHTING

L.E.D. THINLINE RECTANGULAR FRONT & REAR CLEARANCE & MARKER LAMPS (5 FRONT AMBER, 7 REAR RED), L.E.D. RED STOP/TAIL AND TURN SIGNAL/RUNNING LAMPS, L.E.D. BACK UP LAMPS, L.E.D. LICENSE PLATE LAMP. 2 OF THE 7 THINLINE RED LIGHTS ARE SURFACE MOUNTED ON THE REAR SKIRT(OPTIONAL ARMORING IS AVAILABLE). THE OTHER 5 ARE INSTALLED IN THE REAR CAP RECESSES. AN ADA COMPLIANT SURFACE MOUNTED EXTERIOR ENTRY DOOR LIGHT IS NOW STANDARD WITH OPTIONAL CHOICES AVAILABLE. LIGHT SUPPLIER IS STARCRAFT OEM - OPTIONAL BRANDS MAY BE AVAILABLE AT ALTERNATE PRICING - CHECK WITH YOUR STARCRAFT REPRESENTATIVE

EXTERIOR MIRRORS

ROSCO ACCUSTYLE MANUAL EXTERIOR BREAKAWAY MIRRORS ARE USED. SINGLE DOOR CHASSIS HAVE CHASSIS MOUNTED DRIVER SIDE AND USE THE ROSCO PATENTED FENDER MOUNT CURBSIDE. OVERALL HEAD SIZE IS APPROXIMATELY 7" X 14" WITH A FLAT LENS 7"W X 10"H AND CONVEX LENS 7"W X 4"H (BOTH APPROXIMATE). A FULL ARRAY OF POWER, HEAT AND TURN SIGNAL OPTIONS IS AVAILABLE. ALTERNATE BRAND MIRRORS MAY BE AVAILABLE AT AN ADDITIONAL CHARGE - CHECK WITH YOUR STARCRAFT REPRESENTATIVE

EXTERIOR FRONT CAP & BODY WINGS

FIBERGLASS FRONT CAP WITH RECESSED MOUNTING FOR THINLINE AMBER RECTANGULAR L.E.D.MARKER/CLEARANCE LAMPS. FRONT FIBERGLASS CURBSIDE WING WITH LARGE 361 SQ. IN. VIEWING WINDOW TINTED AS-2 PER FMVSS REGULATIONS. FRONT STREETSIDE FIBERGLASS WING MATING TO CHASSIS "B" PILLAR.

EXTERIOR REAR ONE-PIECE CAP

ONE-PIECE FIBERGLASS REAR CAP WITH ANTI-RIDE FEATURE, RECESSED MOUNTING FOR 4" ROUND L.E.D. GROMMET MOUNT STOP/TAIL/TURN AND BACK UP LAMPS. RECESSED MOUNTING FOR 5 EACH THINLINE RED SURFACE MOUNT L.E.D. MARKER/CLEARANCE LAMPS. INCLUDES A 30" X 48" NOMINAL REAR EGRESS WINDOW AS STANDARD.

EXTERIOR ROOF

5.2mm THICK LUAN IS SECURED BY FASTENERS TO EACH ROOF BOW, THEN A ONE-PIECE .040" THICK FRP ROOF IS BONDED WITH ADHESIVE TO THE LUAN. EXTRA REINFORCEMENT AT THE ROOF RADIUS IS PROVIDED BY A .050" THICK BLACKBOARD.

EXTERIOR SIDEWALL & SKIRT METAL

.060" THICK PRE-PAINTED ALUMINUM UPPER SIDEWALL METAL (FROM ROOF FRP TO FLOOR MOLDING) AND .040" THICK PRE-PAINTED ALUMINUM SKIRTS FORMED WITH A 4" RADIUS ON THE BOTTOM ARE USED. UPPER SIDEWALL IS INSTALLED USING A STRUCTURAL ADHESIVE TO THE STEEL FRAME AND IS ISOLATED FROM THE FRAME TO PREVENT GALVANIC CORROSION. MATING UPPER & LOWER PANELS ARE TRIMMED USING A TWO PIECE ALUMINUM TRIM HELD IN PLACE WITH STAINLESS SCREWS

EXTERIOR REAR BUMPER

A HEAVY DIE-FORMED STEEL BUMPER WITH TOP AND BOTTOM REINFORCING RIBS AND BLACK POWDER COAT PAINT IS INSTALLED USING 316 STAINLESS STEEL BOLTS.

EXTERIOR GRAPHICS

ATTRACTIVE EXTERIOR GRAPHICS ARE AVAILABLE IN YOUR CHOICE OF BLUE, BURGUNDY OR GREEN. OPTIONAL GRAPHICS PACKAGES ARE AVAILABLE AT ADDITIONAL COST - CHECK WITH YOUR STARCRAFT REPRESENTATIVE

INTERIOR STANDARD FEATURES/ITEMS

DRIVER OVERHEAD AREA

GREY PADDED VINYL DRIVER OVERHEAD PANEL, ELECTRICAL COVER PANEL & ACCESS DOOR, ENTRY DOOR AND "B" PILLAR COVERING. PANELS ARE SECURELY ATTACHED TO FRAME COMPONENTS USING FASTENERS.

CEILING AND REAR WALL

STARCRAFT ALLSTAR/STARLITE STANDARD EQUIPMENT

5.2mm THICK LUAN IS ATTACHED TO STRUCTURE WITH FASTENERS. SEASPRAY FABRIC IS INSTALLED WITH AN ADHESIVE TO THE LUAN.

UPPER INTERIOR SIDEWALL

VANDAL RESISTANT FRP LAMINATED TO LUAN IS INSTALLED ABOVE THE SEAT TRACK TO THE TRANSITION PANEL. MATING PANELS ARE TRIMMED USING A VINYL "T" LOCK WITH SMOOTH EDGES

LOWER INTERIOR SIDEWALL

DIRECTIONLESS WEAVE CHARCOAL COLOR FABRIC IS INSTALLED ON LUAN USING AN ADHESIVE FROM BELOW THE SEAT TRACK TO THE FLOOR.

SIDEWALL/CEILING TRANSITION PANELS

ATTRACTIVE CONVEX RADIUS DIE FORMED ALUMINUM TRANSITION PANELS ARE COVERED WITH SEA SPRAY FABRIC AS THE CEILING AND REAR WALL. THE PANELS ARE HELD IN PLACE BY AN EXTRUDED ALUMINUM "J" RAIL THAT IS ANODIZED WITH AN ATTRACTIVE, GLARE-FREE SATIN FINISH. PANELS STAY IN PLACE BUT CAN BE REMOVED WITHOUT TOOLS FOR ANY SERVICE WORK NEEDED. PANEL ENDS ARE NEATLY TRIMMED OUT WITH GREY THERMOFORMED PLASTIC.

INTERIOR LIGHTING

L.E.D. PASSENGER DOME LAMPS (THE QUANTITY VARIES WITH BODY LENGTH), L.E.D. DRIVER OVERHEAD DOME LAMP, L.E.D. ENTRY STEP LAMPS. LIGHT SUPPLIER IS STARCRAFT OEM - OPTIONAL BRANDS MAY BE AVAILABLE AT ALTERNATE PRICING - CHECK WITH YOUR STARCRAFT REPRESENTATIVE

PLYWOOD SUB-FLOOR DECKING

5/8" THICK PLYWOOD IS INSTALLED OVER THE FLOOR STEEL STRUCTURE AFTER THE APPLICATION OF A STRUCTURAL ADHESIVE ON ALL FLOOR STRUCTURE PARTS. THE PLYWOOD IS HELD IN PLACE UNTIL THE ADHESIVE CURES BY COUNTERSUNK SELF DRILLING #14 SCREWS

INTERIOR & STEP FLOORING

GERFLOR SIRIUS NT 2.25mm THICK GRAPHITE (BLACK) UPGRADE, PVC FLOORING IS INSTALLED USING A HIGH TEMPERATURE, PLASTICIZER RESISTANT ADHESIVE, THEN ROLLED WITH A HEAVY WEIGHT TO REMOVE ANY AIR BUBBLES. ALL SEAMS ARE HEAT WELDED TO FORM A VIRTUAL ONE-PIECE PASSENGER AREA COVERING AND SIDEWALL MATING EDGES ARE FULLY CAULKED. WHITE STEP NOSING IS STANDARD. YELLOW IS AVAILABLE AS AN OPTION.

ENTRY GRAB RAILS & STANCHION PANELS

A VERTICAL STAINLESS STEEL GRAB RAIL IS INSTALLED ON THE LOWER LEFT HAND SIDE OF THE ENTRY STEPS. A MODESTY PANEL/STANCHION ASSEMBLY IS INSTALLED AT THE TOP OF THE ENTRY STEPS ON THE LEFT HAND SIDE OF THE ENTRY WAY AND A STAINLESS STEEL GRAB RAIL IS INSTALLED FROM THE ENTRY WAY WALL TO THE VERTICAL STANCHION AT THE END OF THE ENTRY STEPS. A GREY PADDED VINYL MODESTY PANEL IS STANDARD.

STANDARD DOOR AND WINDOW INFORMATION

PASSENGER WINDOWS

36" TALL X 36" WIDE UPPER T SLIDE WINDOWS TINTED TO FMVSS COMPLIANT AS-3 USING 3mm THICK GLAZING THAT PROVIDES 23% VISIBLE LIGHT TRANSMITTANCE, MOUNTED IN AN ALUMINUM EXTRUDED FRAME THAT IS BLACK POWDER COATED. 36" HIGH X 24" WIDE WINDOWS MAY BE NECESSARY AS "FILLERS" ON CERTAIN BODY LENGTHS TO MAXIMIZE PASSENGER VIEWING AREA. A REAR 30" TALL X 48" WIDE (NOMINAL) EGRESS WINDOW. FMVSS 217 COMPLIANT SIDE EGRESS WINDOWS ARE SUPPLIED. 1 PER SIDE IS STANDARD, BUT PASSENGER COUNTS MAY REQUIRE ADDITIONAL WINDOWS TO BE ORDERED. CHECK WITH YOUR STARCRAFT REPRESENTATIVE.

PASSENGER ENTRY DOOR

STARCRAFT ALLSTAR/STARLITE STANDARD EQUIPMENT

36" WIDE ROUGH OPENING WELDED ENTRY ASSEMBLY. A&M MANUFACTURING PRODUCED ENTRY DOOR LEAVES AND A&M ELECTRIC DOOR HEADER MECHANISM (MANUAL IS AVAILABLE - OPTIONS MAY DICTATE DIFFERING DOOR SIZE). FULL HEIGHT 1/8" THICK TEMPERED SAFETY GLASS IN EACH DOOR LEAF IS FMVSS COMPLIANT AS-2 TINTED. LEAF FRAMES ARE INTERLOCKED ALUMINUM EXTRUSIONS WITH TOUGH, CLEAR COAT ANODIZED 204 R1 RATED FINISH FOR CORROSION PROTECTION AND INTEGRATED, OVERLAPPING FLEXIBLE SEALS (APPROXIMATELY 2.5" EACH). FRONT LIFT 138/139" WB MODELS CAN ONLY USE A 32" WIDE DOOR.



Manufactured from all steel products, the floor, roof, side walls, rear wall, driver halo assembly and entry door assembly are all wire welded (MIG) together to form an integral steel frame that is thoroughly coated in our primer paint shop, then mounted with specified hardware to the rubber body mount points (pucks) supplied by the chassis manufacturer. Once joined to the chassis, the bus finishing process begins.

3.0.1 Floor frame construction and assembly –

- 3.0.1.1 Cross Members -- The floor cross members form the base structural support for the rest of the frame components. Our cross members are constructed of 14 gauge steel, formed to a capital “C” shape. Cross members over the fuel tank are made to provide the clearance needed to conform with FMVSS301, and include formed internal reinforcements welded in place for additional strength. All additional longitudinal and latitudinal structure is flush welded in place to form a one piece floor upon completion. Special yield strength materials are available on request at an additional cost.
- 3.0.1.2 Steel “Hat Posts” – 1”x1”x4” run the length of the floor between cross members and are welded into place. This extremely strong form is used to weld our HSLA steel seat track in place.
- 3.0.1.3 Steel C Channel – 1”x1.5” C channel is welded in between cross members the full length of the floor in 5 places. Coupled with the Hat Posts this provides a one-piece strong “ladder” type frame for the flooring.
- 3.0.1.4 Seat Track – 12 gauge roll formed high strength/low alloy steel is wire welded in place for seat mounting down each side of the bus, with lengths predicated on the floor plan chosen. This is yet another stiffener in our extensive construction process.
- 3.0.1.5 Wheel Wells -- Constructed of 14 gauge steel, wheel wells are also welded in during the floor construction process. All seams in the wheel well are welded to create a one piece water resistant wheel housing structure. The wheel wells also provide additional strength to the body assembly, when welded in place.
- 3.0.1.6 Structural Steel Angle – 1/8” thick 1.5” x 2.5” structural steel angle is used the full perimeter length of each floor assembly, welded to the ends of all floor cross members. This provides not only a flat plane for joining the sidewall assembly, but also ties all cross members together and provides additional side impact resistance.



3.0.1.7 Additional structure – When adding vertical stanchions, wheel chair lifts and/or tie down options, additional structure is welded into the floor at locations specified by our engineering department on CAD drawings.

3.0.2 Sidewall Construction –

- 3.0.2.1 Sidewall vertical member – The heart of our sidewall is the vertical structure, a roll formed 18 gauge steel capital “C” channel with 8 bends that create extreme strength and rigidity. The vertical member is installed in full lengths and in shorter sections above and below window frames. Additional vertical structure is used at both ends of the sidewall enabling the structure to withstand the forces applied by the vehicle when in motion. Using the open C member also enables a thorough primer application.
- 3.0.2.2 Steel Tubing – 1”x1” lower and 1”x3” upper 16 gauge steel tubing is welded in horizontally between vertical members to frame in window openings. This adds front to rear reinforcement as well.
- 3.0.2.3 Seat Track – 11 gauge high strength low alloy roll formed steel track is welded down each sidewall below the window frame. While serving as a seat attaching device, it adds excellent structure to the sidewall and also adds excellent side impact resistance.
- 3.0.2.4 Wheelchair Options – Add another layer of metal. Depending on track locations, another structure of steel is welded in place between each vertical member for attaching a shoulder belt mount. Also, additional structure is added to accommodate wheelchair door frames.
- 3.0.2.5 Full length steel tubing – 1”x1” 16 gauge steel tubing is stitch welded to the sidewall bottom and top at each vertical member for attaching to the floor and roof sections, respectively.

3.0.3 Rear Wall Construction –

- 3.0.3.1 Rear wall vertical member – The vertical sidewall capital “C” channel with 8 bends is also used in the rear wall assembly. Full length structure is used at varying places, depending on choice of rear window, or rear door. Shorter cut pieces are used above windows and doors. Additional side windows used with the rear door also change the configuration.
- 3.0.3.2 Steel Tubing – 1”x1” 16 gauge steel tubing is welded horizontally between vertical members to provide a window frame in the standard product, and used as an upper door frame in the optional rear assembly.
- 3.0.3.3 Full length steel tubing – 1”x1” 16 gauge steel tubing is stitch welded to the rear wall top and bottom as in the sidewall assembly.

3.0.4 Roof Construction –



3.0.4.1 Roof Bows – Radius formed one-piece 16 gauge steel roof bows formed as a modified hat post design with eight bends for exceptional strength, including 4 bends in the web similar to our vertical sidewall steel provide a roof structure capable of taking severe loads. They are then capped with top flat pieces from flange to flange to provide abundant surface area for securing the exterior roof material.

3.0.4.2 Steel Tubing – 1"x1" 16 gauge steel tubing is welded in horizontally to frame all lower window openings and 1" x 3" 16 gauge steel tubing to all upper window openings as required. A full perimeter is also welded on to mate the roof to the sidewall and rear wall, with short vertical pieces providing support on the front and rear ends. The 3" wide steel tube supplies a structural mounting surface for shoulder belt attachment and has been pull tested to federal standards.

3.0.5 Driver Compartment Overhead Halo –

3.0.5.1 Steel Tubing – 1"x1" 16 gauge steel tubing is cut and jig welded into an integrated one piece structure spanning from the front roof bow of the body to the newly cut roof line of the cab. Also created during the structure manufacture is the housing for mounting the electronic circuit board.

3.0.5.2 11 Gauge Steel – formed to make brackets used to mount to the chassis roof.

3.0.6 False Floor (Cab to body transition) –

3.0.6.1 Steel Tubing – 2" x2" 16 gauge steel tubing is welded together forming a flat body floor transition from the step area back to the actual body area. An overhang on the curbside provides a secure attach point frontally for the entry door frame added later.

3.0.6.2 Structural steel angle – 11 gauge 1.5"x1.5" structural angle is added in short lengths five places to provide attachment points to the chassis floor.

3.0.7 Interior Vertical Transition Frames –

3.0.7.1 Steel Tubing – 1"x1" 16 gauge steel tubing is used vertically and a ladder type assembly is made welding the 1x 1 tube to .75"x.75" 11 gauge steel tube that is used horizontally in the assemblies. These pieces transition from the body fronts on each side to the driver halo side assembly and the entry door frame assembly on the curbside.

3.0.8 Entry Door & Step Assembly Frame –

3.0.8.1 Steel Tubing – 1"x1" 16 gauge and .75"x.75" 11 gauge steel tube is cut to length and welded together in a ladder type construction forming a rigid frame for attaching the entry door/step assembly.

3.0.9 Entry Door/Step Assembly –



3.0.9.1 11 Gauge Steel – The step riser/tread piece is manufactured from one-piece 11 gauge steel and uses 90° bends at all risers and treads. The bottom tread also adds an additional 90° bend for additional strength and safety. Upper and lower side pieces are then attached and an 11 gauge flat plate with holes is used to bridge the lower and upper side pieces, then is stitch welded and plug welded to form a strong one piece assembly. Optional Galvanized or Stainless Steel material is also available.

Upon completion of the welding assembly process, the entire body frame is moved to the primer paint booth where an extremely corrosion resistant zinc phosphosilicate primer with a 3,000 hour ASTM B-117 rating is applied to all surfaces.

APPLICATION OF EXTERIOR SIDEWALL MATERIAL

FIBERGLASS/FRP/COMPOSITE SIDEWALLS

Composite FRP exterior sidewall panels are installed using Manus Bond 75-UHVFC solvent and isocyanate-free structural adhesive. The adhesive is applied to the vertical and horizontal frame members in the sidewall structure, then the one piece panel is set into place and clamped until the structural adhesive reaches initial “green” strength that gives it the ability to support the weight of the sidewall panel without additional aid.

Manus 75-UHVFC is used due to the excellent adhesion, yield strength and elongation percentage of the product once cured. Designed as a replacement for mechanical fasteners, the adhesive also allows the material to expand and contract without undue stress since the elongation of the product is 250%. Faster curing two-part adhesives can be used but their lack of elongation can lead to cracking of the skin due to stresses applied by typical heat/cold cycles encountered.

Manus 75-UHVFC is also the adhesive used by Starcraft to ensure permanent bonding of the plywood floor substrate to the coated steel frame members.

A product data sheet for Manus 75-UHVFC Structural Adhesive is attached for further information.

Should any further questions arise, please contact your Starcraft Bus representative.

PAINTED ALUMINUM OR GALVANIZED STEEL SIDEWALLS

Mill painted aluminum or steel exterior sidewall panels are installed using a combination of Very High Bond tape with an acrylic adhesive and Manus Bond 75-UHVFC solvent and isocyanate-free structural adhesive. The side vertical wall bows have two flanges facing the exterior. Tape is applied to one vertical flange for fast adhesion while Manus 75-UHVFC structural adhesive is applied to the other



vertical flange. The metal is put in place then pressure is applied by rollers to secure the metal to the tape and ensure good contact with the bead of structural adhesive.

As normal practice dictates, metal is overlapped moving up the sidewall for water shedding. The metal is held in place initially by the VHB tape, then subsequently by window ring flanges and belt line molding that is secured with stainless steel fasteners. The structural adhesive “greens” (initial grab strength) within two hours, depending on temperature and humidity conditions, then moves to a full cure within a few days.

As above, product data sheets are attached for Manus 75-UHVFC and also the VHB tape for your information. A pictorial information sheet of the process is also attached to enable a visual understanding of the process as well.

Should you have any questions, please contact your Starcraft Bus representative.



Precision Mastermade Paints, Inc.
8040 E. Alliance Parkway
Joplin, MO 64804
Ph: 800-658-1876 / Fax: 417-659-8901
www.pmi-industrialcoatings.com

ISO 9001:2008

Test Report

DATE: January 07, 2011
SUBJECT: 1619 Testing As Requested
PROJECT #: None
REFERENCE: NA
REQUESTOR: Starcraft Bus
SALES REP: J. Norwood
MATERIAL IDENTIFICATION: Bondrite Panel

NATURE OF THE PROBLEM OR NEED:

Determine long term corrosion resistance and adhesion testing for PMI Phenolic Modified Primer 1619

APPROACH TAKEN TO ANSWER THE REQUEST:

Samples were prepared on Bondrite Panels 2.0 to 3.2 mil, and allowed to cure for 7 days. Panels were then exposed to a salt fog corrosion chamber in accordance to ASTM B 117d. Visual inspections were conducted as needed and recorded every 250 hours. (See Results)

Adhesion testing was performed in accordance with ASTM D3359-09 and visually inspected. (Test Result 5B - no failure)



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ISO 9001:2008

SAMPLE PREPARATION AND METHODS:

In accordance with appropriate ASTM test

RESULTS:

Hours Salt Fog	Condition of Sample
250 hrs	No failure
500 hrs	No failure
750 hrs	No failure
1000 hrs	No failure
1250 hrs	No failure
1500 hrs	No failure
1750 hrs	No failure
2000 hrs	No failure
2100 hrs	No failure

CONCLUSION:

1619 Red Oxide Primer displayed excellent adhesion to the Bondrite panels and good resistance to corrosion throughout salt fog exposure.
At 2100 hrs. test showed no blemishes or blistering, therefore testing was concluded as requested.



Precision Mastermade Paints, INC.
ISO 9001-2000

8040 East Alliance Parkway
Joplin, Missouri 64804
Phone: 417-659-8900 Fax: 417-659-8901

APPLIED TECHNOLOGY

Product: 1619 LOW VOC Red Oxide Primer
Description: Non Lift Steel Primer
End Use: DTM

PRODUCT DATA

CHARACTERISTICS

60 deg. Gloss: <10
Type Resin: Phenolic Modified Alkyd
Type Pigment: Iron Oxide, Zinc Phosphosilicate (lead & chromate free)
Solids: 54%
Weight Per Gal: 10.45lbs
Actual VOC (lbs VOC/gal. volume): 3.5
Coverage: 564 sq. ft. per gal. @ 1 mil
Packaged Viscosity: 70 Zahn #2

APPLICATION

Recommended Solvent: Xylene,
Conventional Spray: <10% Nominal,
Cleanup Solvent: Xylene
Drying Conditions: Ambient Air (72 deg. F.)
Touch & Tack: 7 min
Handle: 15 min
Recoat: overnight

SURFACE PREPARATION

Surface should be clean and dry, temperature above dew point, minimum 40 deg F. Maximum 120 deg. F.

STORAGE AND HANDLING

Precautions (See MSDS): FLAMMABLE LIQUID
Storage Temperature: Ordinary ambient temperature, do not store in direct sunlight

COMMENTS: 1619 is a superior grade of steel primer having great penetration and rust inhibiting properties. Great abrasion resistance, Very Low VOC good for a wide range of top coat systems.



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Ph 417-659-8900 / Fax 417-659-8901
www.pmi-industrialcoatings.com

ISO 9001:2008

Jerry Cavanah
Starcraft Bus
2367 Century Drive
Goshen, IN 46528

April 19, 2013

Jerry,

This letter is to certify that our Part # 1619, Red Oxide Primer, meets and/or exceeds Mil Spec. # C-62218. This product is designed to be a rust and corrosion preventing coating. We use zinc phosphate to ensure the highest levels of protection and prevention without using lead or any chromates - thus ensuring the safety and health of our employees and customers. PMI is an ISO 9001: 2008 compliant manufacturer, and quality is extremely important to us.

Characteristics:

Gloss		<5% @ 60 degrees
Pigment		Red Oxide, lead, and Chromate-free
Solids		55%
Adhesion	ASTM d-3359	Pass
Flexibility (conical mandrel)	ASTM d-522	Passes 1/2 "
Salt Spray > 2,500 hours	ASTM B-117	Passes no blisters—no creepage

Thank you,

Jerry Norwood
PMI Performance Coatings
8040 East Alliance Parkway
Joplin, MO 64804
417-437-1385



Z TECHNOLOGIES CORPORATION
World Leaders in Corrosion Protection

11/5/2014

MB # 7416vk

Z SHIELD™ 7318

A low gloss, very fast dry, red-oxide, solvent-based polymeric rust preventive coating, for airless or air-assist spray application to sheet metal, hot rolled steel, castings, forgings, extruded metal, and cast aluminum. This coating is also resistant to elevated temperatures. The 7318 is designed to protect metal substrates even when applied as a thin coating. The coating is fast drying and can be air dried, force dried or subjected to high temperature bake cycles. This primer also exhibits excellent gravel and stone pecking resistance.

PHYSICAL PROPERTIES

Color	Red-oxide
% NVM by WT.	58.4
% NVM by VOL.	42-46
Density	10.0 lb/gal
Viscosity per #3 Zahn cup	30-35 sec.
Mechanical Stability	Excellent
Heat Stability	Excellent
V.O.C.	<3.50 lbs/gal
D.O.T. Flammability Rating	>100
Cryptometer/#2 Wedge, ASTM D1212	10
60° Gloss	< 5 matt finish
Sag (mils)	>12

Z TECHNOLOGIES CORPORATION

World Leaders in Corrosion Protection

26500 Capitol Avenue, Redford, Michigan 48239-2517
Telephone (313) 937-0710 - Fax (313) 937-1470



Z TECHNOLOGIES CORPORATION
World Leaders in Corrosion Protection

11/5/2014

MB # 7416vk

Z Shield™ 7318 FILM PROPERTIES

Performance testing reflects coating on unpolished Q panels with four day air-dried films at 3.0 – 4.0 mils dry.

Dry to touch at R.T., ASTM D1640	10 ± 2 minutes
Dry-to-Handle at R.T., ASTM D1640	15 ± 5 minutes
Pencil Hardness	6B
Flexibility 180° bend over conical mandral	Pass
Salt Spray, ASTM B117, 3000 hours	Field, scribe, edge clean; no blistering
Salt Fog Resistance (463PB-10-01), 240 hours.	Pass (No rust)
◆ 325 F x 16 hours plus 16 hours humidity.	Pass (No rust, no blisters)
Salt Fog Resistance (WSS-M2P178-A), 240 hours.	
Salt Water Immersion, 5% NaCl, 100° F, 3000 Hours	Pass
Detergent Immersion, 100° F, 48 Hours	Pass
Gravelometer, ASTM D3170, -20° F	Good(8A)
Poultice. GM 998-5470, 20 cycles	Pass
Q.U.V., ASTM G53, 3000 Hours	Pass
Q.U.V., 100 Hours + Salt Spray, 336 Hours	Pass
Q.C.T., 3000 Hours	Pass
Humidity Resistance, ASTM D2247, 2000 Hours	Pass
Sag resistance	≥12 mils
Impact (direct & reverse) ASTM D3281	160/40 inch-lbs.
Adhesion (FLTM B1 6-1 B) cross Hatch	5A Pass
Scab corrosion resistance, 20 cycles	Pass

APPLICATION

For ultimate protection, apply films to clean metals at a thickness of at least 1.5-2.0 mils dry

www.ztechprotection.com

Z TECHNOLOGIES CORPORATION

26500 Capitol Avenue, Redford, Michigan 48239-2507
Telephone (313) 937-0710 • Fax (313) 937-1470

World Leaders in Corrosion Protection

2022 FORD E-SERIES[®] CUTAWAY & STRIPPED CHASSIS

Full-Size Van-Based Chassis Cabs Class

Models: E-350 Cutaway, E-350 Stripped Chassis, E-450 Cutaway, E-450 Stripped Chassis



E-450 Cutaway, Oxford White. Available and aftermarket upfit equipment.

EXTERIOR COLORS³



INTERIOR COLORS³



2024 Model Year



STANDARD FEATURES

- 3-point safety belts with height-adjustable D-rings (Cutaway)
- 40-gallon fuel tank capacity (aft-of-axle)
- 4G LTE embedded modem with Wi-Fi hotspot capability^{1,2}
- Airbags – Driver and front-passenger front (Cutaway)
- Air conditioning delete (Stripped Chassis)
- Alternator – 210-amp
- Audio – Bluetooth[®] capable AM/FM stereo with USB port
- Autolamp (Automatic On/Off Headlamps)
- Battery – Heavy-duty (78-amp hour)

- Brakes – Bosch[®] HydroBoost[®] hydraulic brake system with traction control
- Daytime running lamps (configurable)
- Electronic Stability Control
- Engine – 7.3L V8 Premium
- Modified vehicle wiring kit and system
- Seats – High-back buckets with vinyl trim and inboard armrests (Cutaway)
- Tire Pressure Monitoring System (TPMS; excludes spare; SRW)
- Transmission – 6-speed TorqShift[®] automatic with overdrive and tow/haul mode with Hill Start Assist

AVAILABLE FEATURES

- 55-gallon fuel tank capacity (standard on E-450)
- 110V/150W AC power outlet
- Airbag – Passenger-side front delete
- Alternator – 240-amp
- Alternator – 240-/157-amp dual
- Auxiliary heater
- Batteries – Dual heavy-duty (Cutaway)
- Cruise control
- Daytime running lamps (non-configurable)
- Engine – 7.3L V8 Economy
- Engine block heater
- Flex Fuel (E85) capability
- High-capacity upfitter switches (4)

- Mirrors – Telescoping manual sideview with integrated auxiliary mirrors
- Camera (Cutaway)
- Remote Keyless Entry System (Cutaway)
- SecuriLock[®] Passive Anti-Theft System
- Tire Pressure Monitoring System (TPMS; excludes spare; DRW) (DRW TPMS included with Motorhome Prep Package)
- Upfitter Interface Module

FLEET EXCLUSIVES

- Engine console cover delete
- Front max. GAWR
- Speed limitation (65- or 75-mph governed top speed options)

AVAILABLE PACKAGES⁵

- Ambulance Prep Package (47H)
- Auxiliary Heater and AC Connector Package with rear fan controls (57X)
- Auxiliary Heater and AC Connector Package without rear fan controls (57L)
- Driver-Assist Technology Package (526)
- High-Series Exterior Upgrade Package (18A)
- Insulation Package (552)
- Interior Upgrade Package (18C)
- Motorhome Prep Package (47R)

- Multifunctional School Activity Bus Prep Package (47J)
- Power Windows and Locks Group (903)
- Radio Prep Packages (58B, 58C) (late availability)
- Radio Prep Packages (58F, 58W)
- Right-Hand Door Delete Package (60X)
- School Bus Prep Package (47S)
- Shuttle Bus Prep Package (47B)

CAPABILITIES⁶ (lbs.)

		Wheelbase						
		138" SRW (Premium/Economy)	138" DRW (Premium/Economy)	158" SRW (Premium/Economy)	158" DRW (7.3L Premium)	158" DRW (7.3L Economy)	176" DRW (7.3L Premium)	176" DRW (7.3L Economy)
E-350 Cutaway	Max. GVWR	10,050	11,500	10,050	12,500	12,500	12,500	12,500
	Max. payload	5,100	6,270	5,030	7,210	7,210	7,200	7,200
E-350 Stripped Chassis	Max. GVWR	—	11,500	—	12,500	12,500	12,500	12,500
	Max. payload	—	6,870	—	7,820	7,820	7,760	7,760
E-450 Cutaway	Max. GVWR	—	—	—	14,500	14,000	14,500	14,000
	Max. payload	—	—	—	8,980	8,480	8,980	8,480
E-450 Stripped Chassis	Max. GVWR	—	—	—	14,500	14,000	14,500	14,000
	Max. payload	—	—	—	9,690	9,190	9,640	9,140

Capabilities shown may vary due to optional features and/or production variability.

ENGINES

	7.3L V8 Premium	7.3L V8 Economy
Horsepower (hp @ rpm)	350 @ 3,900	300 @ 3,750
Torque (lb.-ft. @ rpm)	468 @ 3,900	425 @ 3,250

MAX. GCWR⁷ (lbs.)

ENGINE	E-350 Cutaway SRW	E-350 Cutaway DRW	E-350 Stripped Chassis	E-450 Cutaway	E-450 Stripped Chassis
7.3L V8 Premium	18,500	18,500	18,500	22,000	22,000
7.3L V8 Economy	13,000	17,000	17,000	18,000	18,000

Max. trailer weight = GCWR - vehicle GVWR or 10,000 lbs., whichever is less.



¹FordPass Connect, the FordPass App, and complimentary Connected Service are required for remote features (see FordPass Terms for details). Connected service and features depend on compatible AT&T network availability. Evolving technology/cellular networks/vehicle capability may limit functionality and prevent operation of connected features. Connected service excludes Wi-Fi hotspot. FordPass App, compatible with select smartphone platforms, is available via download. Message and data rates may apply. ²Wi-Fi hotspot includes complimentary wireless data trial that begins upon AT&T activation and expires at the end of 3 months or when 3GB of data is used, whichever comes first, but cannot extend beyond the complimentary subscription period for remote features. To activate, go to www.att.com/ford. ³Available on select series. Restrictions may apply. See your dealer for details. ⁴Fleet only. ⁵Visit fleet.ford.com for complete package content. ⁶Maximum capabilities shown are for properly equipped vehicles with required equipment. Payload rating with a 150-lb. driver. Weight of additional options, equipment, passengers and cargo must be deducted from payload weight. For additional information, see your dealer. ⁷Cutaway ratings are based on incomplete vehicles. Final vehicle manufacturer weights and ratings will vary due to upfit and modification requirements.

SMC Condensers

SMC3L & SMC2S microchannel skirt mounted condensers that can be used with almost every standard Trans/Air evaporator / compressor combination to complete an optimal climate control system.

Industry exclusive 2 year, unlimited mileage, limited warranty



Constructed of corrosion-resistant powder-coated galvanized steel

Stainless steel housing option is also available (Stainless Steel SMC2S pictured below)

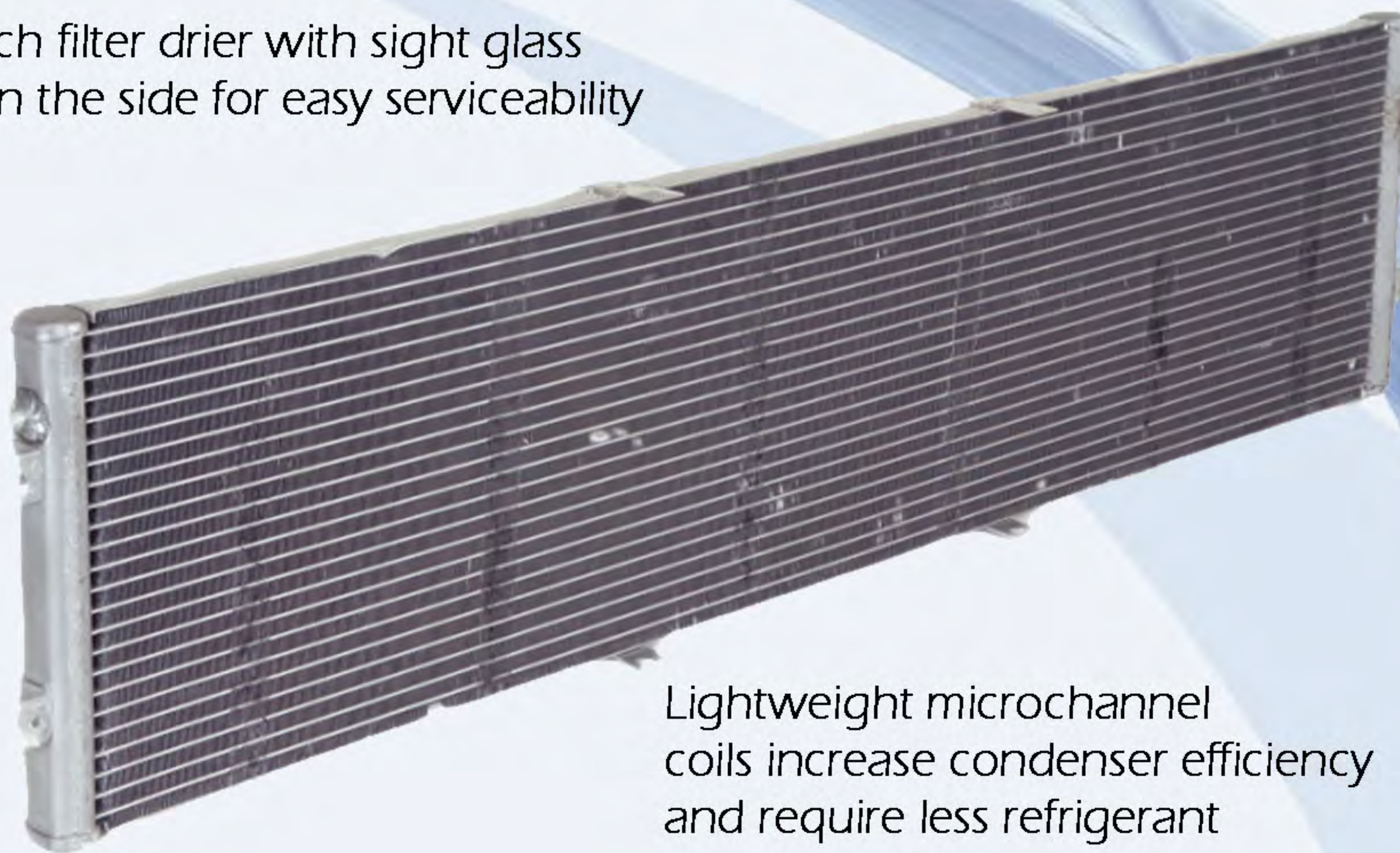
Flexible mounting pattern (optional channels available to attach condenser to vehicle stringer in lieu of standard floor mounting)



Optional non-powder coated screens, stacking kits, and winter cover kits



16 cubic inch filter drier with sight glass mounted on the side for easy serviceability



Lightweight microchannel coils increase condenser efficiency and require less refrigerant



10" weather-proof condenser fans provide maximum air flow

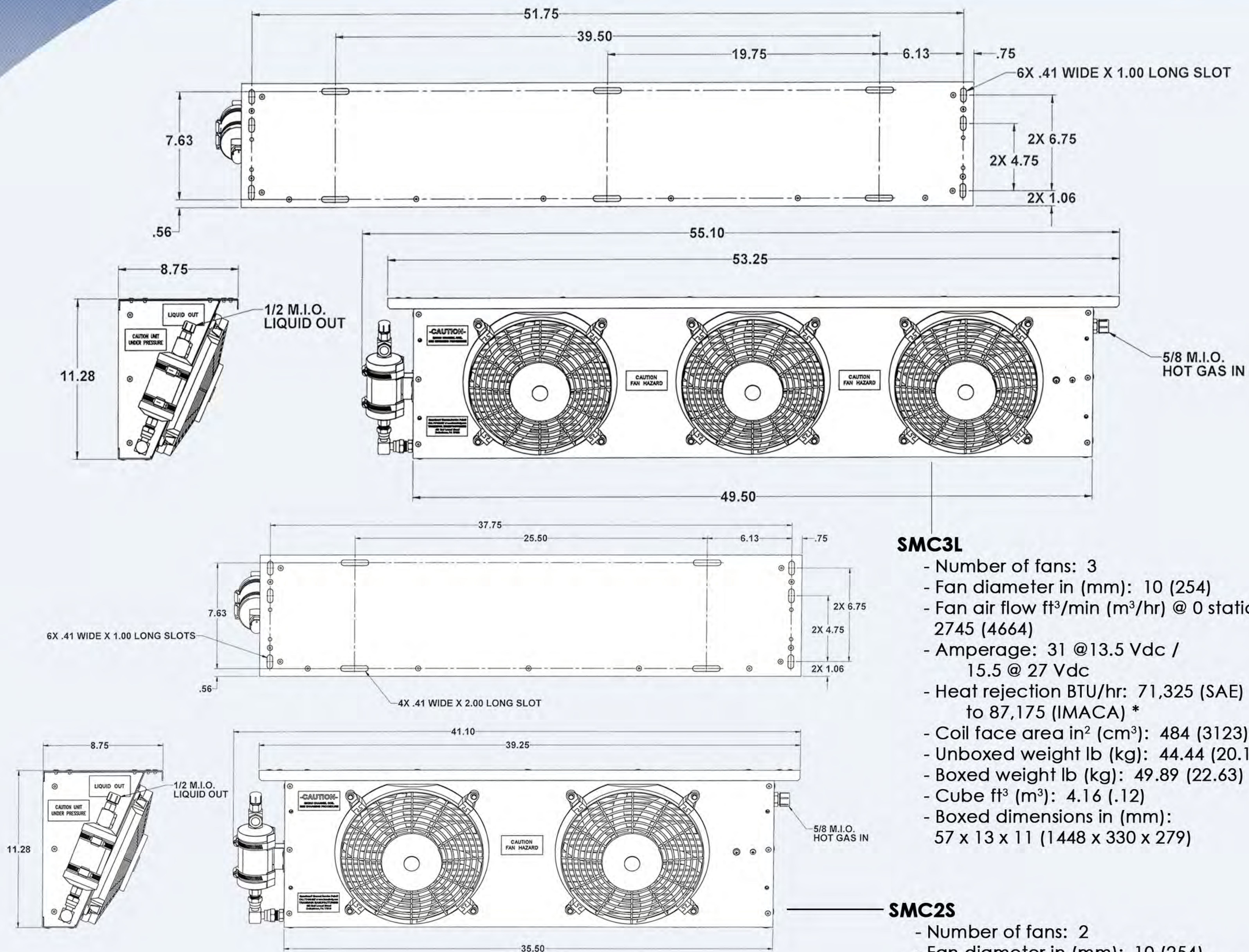
School & Commercial Bus Climate Control Design | Manufacture | Install | Service

Trans/Air Manufacturing Corporation is an ISO 9001 registered firm committed to providing world class climate control products and services to the bus and commercial vehicle markets.



FM 39947

SMC Condensers



SMC3L

- Number of fans: 3
- Fan diameter in (mm): 10 (254)
- Fan air flow ft³/min (m³/hr) @ 0 static: 2745 (4664)
- Amperage: 31 @13.5 Vdc / 15.5 @ 27 Vdc
- Heat rejection BTU/hr: 71,325 (SAE) to 87,175 (IMACA) *
- Coil face area in² (cm³): 484 (3123)
- Unboxed weight lb (kg): 44.44 (20.16)
- Boxed weight lb (kg): 49.89 (22.63)
- Cube ft³ (m³): 4.16 (.12)
- Boxed dimensions in (mm): 57 x 13 x 11 (1448 x 330 x 279)

SMC2S

- Number of fans: 2
- Fan diameter in (mm): 10 (254)
- Fan air flow ft³/min (m³/hr) @ 0 static: 1830 (3109)
- Amperage: 21.3 @13.5 Vdc / 10.7 @ 27 Vdc
- Heat rejection BTU/hr: 48,364 (SAE) to 59,112 (IMACA) *
- Coil face area in² (cm³): 363 (2342)
- Unboxed weight lb (kg): 33.82 (15.33)
- Boxed weight lb (kg): 38.58 (17.50)
- Cube ft³ (m³): 3.09 (.09)
- Boxed dimensions in (mm): 43 x 13 x 11 (1092 x 330 x 279)

General (SMC2S & SMC3L)

- Skirt mounted
- Housing: powder-coated galvanized steel (stainless steel optional)
- 92% flow-through aluminum grill
- Coil fins: 0.008 in thick
- Filter drier: 1.6 in³

Fan Motor Assembly (SMC2S & SMC3L)

- Low profile surface mount
- Closed permanent magnet motor with ball bearings

Sight Glass (SMC2S & SMC3L)

- Moisture indicator
- Visible from outside of vehicle

Warranty

- 2 year unlimited mileage limited warranty within the continental U.S. and Canada. Terms of Trans/Air's domestic and export warranty policies are available upon request.

*** Actual BTU/hr is dependant on system combination and rating conditions used**

- Specifications subject to change without notice
- All measurements in standard
- Contact Trans/Air for more information

FM55 Evaporator

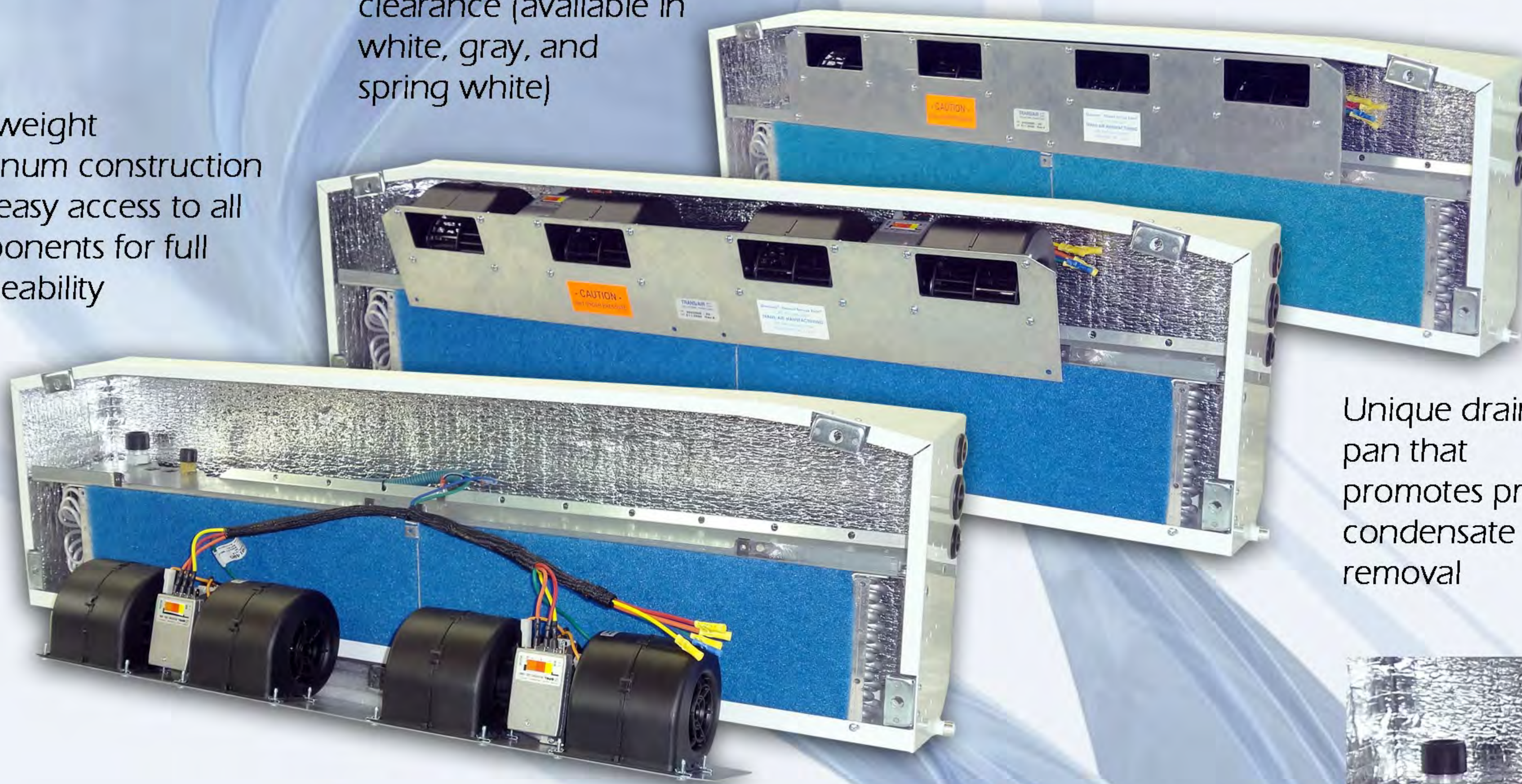
Industry exclusive 2 year, unlimited mileage, limited warranty

A front or rear flush mounted freeblow evaporator that can be used as a tie-in with OEM components or as part of a complete Trans/Air system



Flush mount design provides for maximum headroom clearance (available in white, gray, and spring white)

Lightweight aluminum construction with easy access to all components for full serviceability



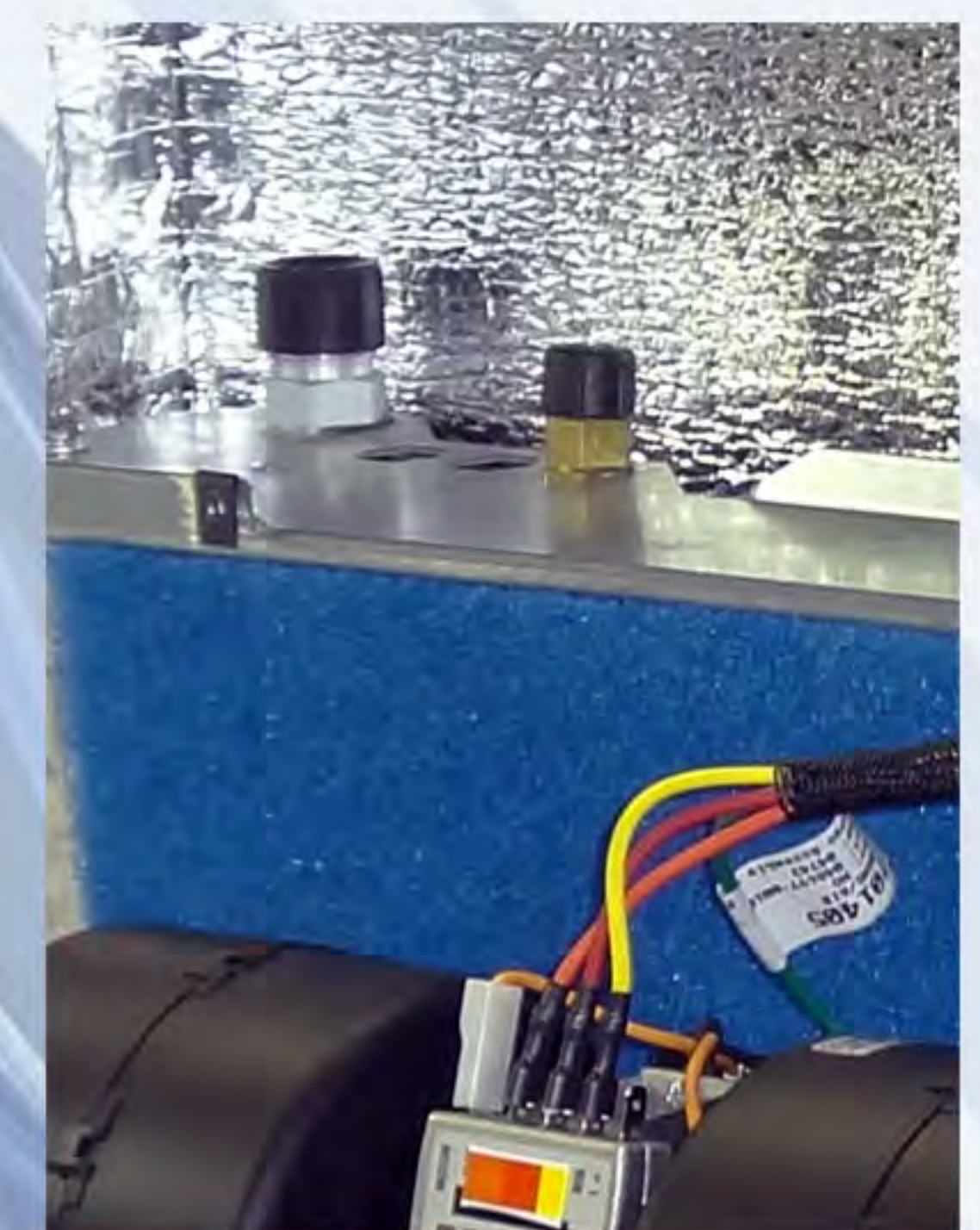
Unique drain pan that promotes proper condensate removal



Blower wheels engineered for maximum air flow and motors that utilize custom wound armatures for lower current draw and greater efficiency



4 Ton externally equalized, thermostatic expansion valve that precisely controls refrigerant and prevents liquid slugging to the compressor or starved evaporator

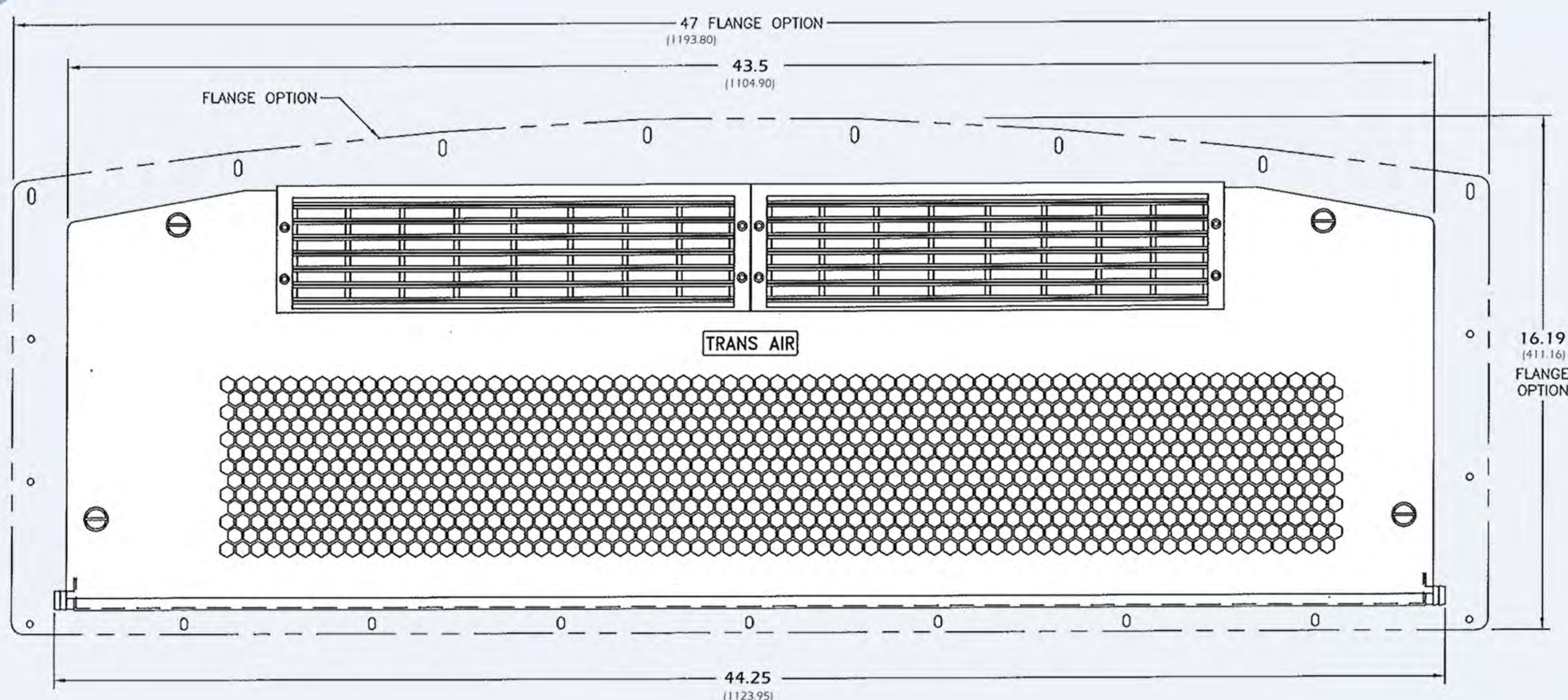


School & Commercial Bus Climate Control Design | Manufacture | Install | Service

Trans/Air Manufacturing Corporation is an ISO 9001 registered firm committed to providing world class climate control products and services to the bus and commercial vehicle markets.



FM55 Evaporator



General

- Freeblow air distribution
- Weight lb (kg): 36 (16)
- Box Size in (mm): 46 x 21 x 10 (1156 x 543 x 260)
- Cube ft³ (m³): 5.8 (.16)

Cooling Capacity

- BTU/hr: 37,824 (SAE) to 58,573 (IMACA) *

Housing

- Flush bulkhead mouting
- Powder coated aluminum
- Integral drain pan with sump
- Washable / reusable filter
- (2) 1/2 in ID drain hoses
- Externally removable grille / filter

Blower Assemblies

- (4) 3.25 in diameter blower wheels
- Amperage draw: 19.8 Amps @ 13.5 Vdc (9.9 Amps @ 27 Vdc)
- Total air flow 814 ft³/min (1383 m³/hr) @ 0 static
- (2) Double shafted, permanent magnet motors

Evaporator Coil

- (1) Coils
- Face area in² (cm²): 216 (1394)
- 7mm in enhanced aluminum tubing
- Fins: 0.006 in louvered, 12 FPI
- (4) Row

Electrical

- Color coded in fire retardant loom
- Low and high pressure switches

Expansion Valve

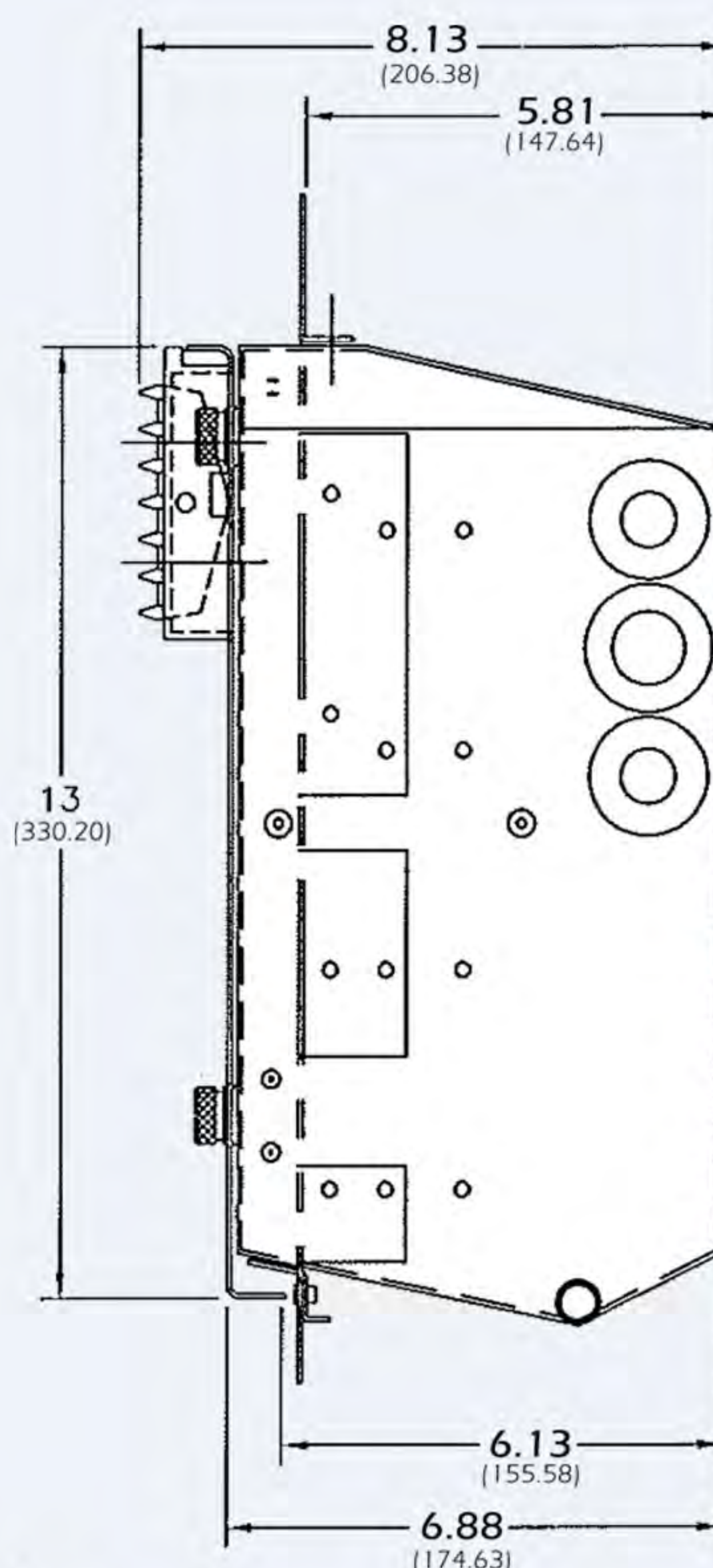
- 4 Ton externally equalized thermostatic type

Available Options

- The FM55 is engineered for severe service applications and comes equipped with all heavy duty components as standard equipment

Warranty

- 2 year unlimited mileage limited warranty within the continental U.S. and Canada. Terms of Trans/Air's domestic and export warranty policies are available upon request.



* Actual BTU/hr is dependant on system combination and rating conditions used

- Specifications subject to change without notice
- All measurements in standard (metric)
- Contact Trans/Air for more information

Compressors | Mount & Drive Kits

To complete bus air conditioning packages that meet application requirements and specifications, Trans/Air uses a wide variety of compressors, in addition to designing and manufacturing associated compressor mount & drive kits.

Compressor Type	Displacement (cc)	Approx Weight (lbs)
10 CID	155	16
13 CID	215	18
19 CID	313	35
39 CID	635	66
40 CID	647	77

Figures shown are for Trans/Air's most widely used compressor variations

- Compressor clutch and pulley combinations are arranged to optimize performance at idle speed
- Mounts are engineered to compliment Trans/Air systems with precise alignment and tensioning
- ISO product development procedures used to achieve the highest quality
- Weldment design phase includes using processes and equipment such as FEA (finite element analysis), belt drive analysis, and an optical measuring machine
- High volume mounts are cast for durability and lower cost

- 10 CID & 13 CID compressors can be used independently or in pairs for larger vehicles
- 19 CID compressors are mostly used in mid to larger sized commercial bus applications
- 39 & 40 CID compressors are reserved for the largest and most extreme duty-systems

Specifications subject to change without notice

480 East Locust Street, Dallastown, PA USA 17313 | 717-246 2627 | 800-673-2446 | Fx: 717-244-7088

www.transairmfg.com

Industry exclusive 2 year, unlimited mileage, limited warranty

FREEDMAN SHIELD DRIVER SEATS

Shield Rigid Seat



NOW AVAILABLE

Sport Seat Upgrade



Shield Recliner Seat



LeMans Adjustable Arm



Sustainable Seating Solutions
Freedman Seating Company

Not Just Seats

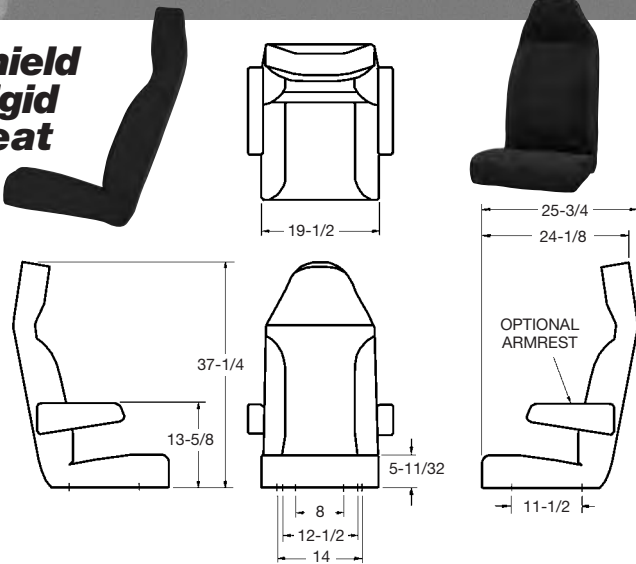


Seating Solutions™

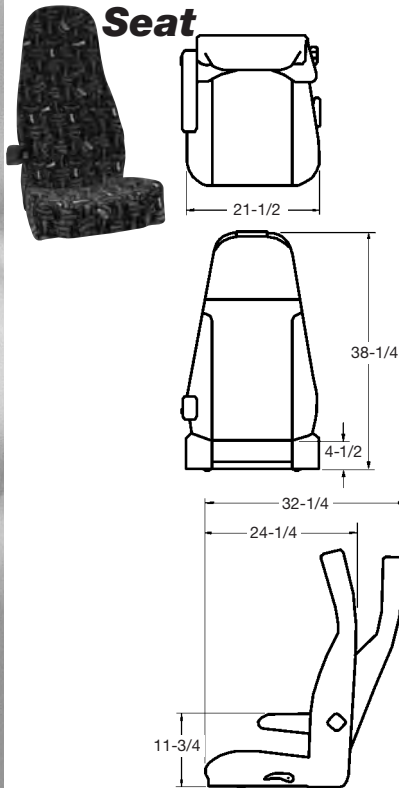
FREEDMAN
SEATING COMPANY

FREEDMAN SHIELD DRIVER SEATS

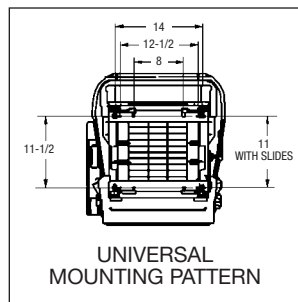
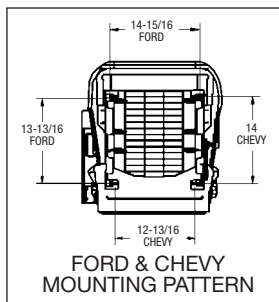
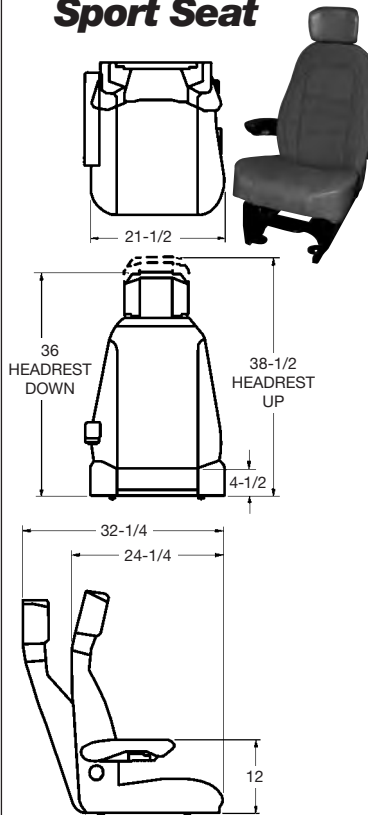
Shield Rigid Seat



Shield Recliner Seat



Sport Seat



MARKETS



DELIVERY TRUCK BUS VAN MARINE SPECIALTY

We are constantly updating and improving our seats; therefore we reserve the right to change or modify specifications or materials without notice. All Freedman Seating Company seats meet or exceed FMVS standards.

Shield Rigid Seat

Standard features:

- Designed and tested to comply with all applicable FMVSS requirements including 202A headrest standard
- Taller and wider headrest with decreased backset
- "Cushier" headrest for dynamic impact headrest absorption
- Automotive grade 4-spring seat flex-o-later for even load support and long life
- J-clip upholstery fastening for quick change out with no special tools
- High quality molded polyurethane seat and back cushions
- Universal mounting holes to fit Freedman Seating pedestals and most aftermarket bases

Rigid Seat optional features:

- Flip arms: US Arm, AMA
- Mesh map pocket
- Vertical stitching
- Wide array of fabrics and vinyls
- 4-position adjustable upholstered or wide upholstered lumbar support
- S3 Bio Cushions
- Fore/Aft slide tracks

Shield Recliner and Sport Seats

Standard features:

- Designed and tested to comply with all applicable FMVSS requirements including 202A headrest standard
- Taller and wider headrest with decreased backset
- "Cushier" headrest for dynamic impact headrest absorption
- Mesh map pocket
- Automotive grade 4-spring seat flex-o-later for even load support and long life
- J-clip upholstery fastening for quick change out with no special tools
- High quality molded polyurethane seat and back cushions

Recliner Seat additional standard features:

- 4-position adjustable lumbar-LH lever (RH lever on copilot)
- RH Shield arm
- Heavy duty recliner mechanism
- Mounting brackets to fit Ford E-Series and Chevy cutaway seat delete bases

Recliner Seat optional features:

- Vertical stitching (not for Sport)
- Wide array of fabrics and vinyls
- FTA foam
- S3 Bio Cushions
- Universal mounting kit to fit Freedman Seating pedestals and aftermarket bases
- Fore/Aft slide tracks (not for Ford or Chevy seats), required for universal mounting

Sport Seat additional standard features:

- Infinitely adjustable 4-way lumbar (up/down and in/out)
- RH LeMans arm



Sustainable Seating Solutions
 Freedman Seating Company

Not Just Seats



Seating Solutions™

FREEDMAN
 SEATING COMPANY

4545 W. Augusta Blvd., Chicago, IL 60651
 (773)524-2440 (800)443-4540 Fax (773)252-7450
 WWW.FREEDMANSEATING.COM
 e-mail: sales@freedmanseat.com

Gateway

INTERMOTIVE
VEHICLE
CONTROLS

An ISO 9001:2015 Registered Company

Gateway

High Idle and Shift Interlock System

Overview

- All-in-one wheelchair interlock and high idle system to ensure full functionality of the vehicle's systems while using the lift
- Provides battery charge protection and improves air conditioning performance
- System is fully compliant with FMVSS 403/404 and the Americans with Disabilities Act (ADA) for wheelchair lift interlocks
- Simple plug and play connections to the OEM chassis

Features

- Prevents vehicle movement while the lift is in use by locking the shifter in Park
- Monitors OEM sensor inputs from the transmission, engine, charging system and ambient air temperature
- Programmable RPM for high idle
- Prevents driving with the park brake set
- Can provide real-time chassis data
- Diagnostic trouble codes available
- Uses Intermittent Fault Filter™ (IFF) technology to eliminate erroneous lift door signals

Product features may vary by make, model or year. See instructions for complete details.

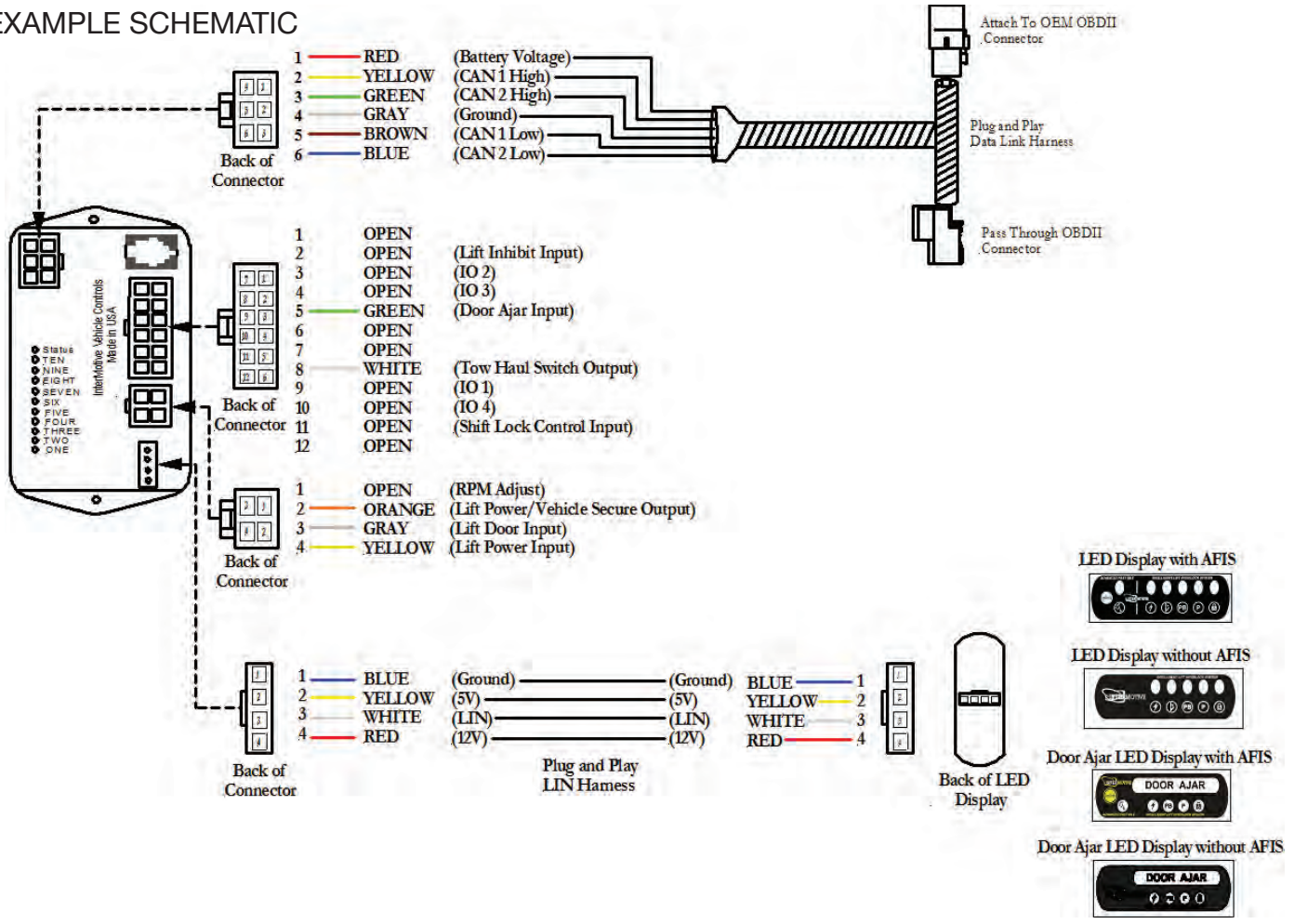
Proudly distributed by

LGS GROUP
AUTOMOTIVE TECHNOLOGIES

(775) 831-2002

Details

EXAMPLE SCHEMATIC



SPECIFICATIONS

Number of Inputs	Five inputs (lift inhibit, door ajar, shift lock, lift door and RPM adjust)
Number of Outputs	Four configurable outputs, plus one lift power/vehicle secure output and one tow haul switch output
Current Draw	~120 mA
Quiescent Draw	~2 mA (sleep current)
CAN Speed	High and medium speed
Temperature Range	-40°C to 80°C
Dimensions	4" L x 2" W x 1" H

SUSPENSION SYSTEMS

for **TRANSIT BUS**



Because Your Bus Doesn't Have to Ride Like a Truck!



Above. Beyond. Always.



RS SUSPENSION

— SYSTEM —

Rubber shackles absorbs road shock

TODAY'S ROADS are ROUGHER than EVER for TRANSIT USERS

The MORryde RS Suspension is a simple, but effective solution for transit agencies looking to smooth out the rough roads for their riders. Featuring a highly engineered and tested design, the MORryde RS Suspension uses a unique rubber spring that cushions and absorbs road shock. Transit riders and transit agencies will notice.

FEATURES

- Much smoother ride
- Improved passenger comfort
- Better protection of the bus from damaging road shock



**RUBBER
SHEER
SPRING**

The RS doesn't use air bags so it can't leak. It features adjustment holes to help compensate for vehicles with wheel chair lifts and it doesn't require any special tools for maintenance or service. For an even better riding bus, you can upgrade the RS to MORryde's RSX suspension package that includes the RS, specially tuned shock absorbers and a heavy duty sway bar.

BACKUP CAMERA SYSTEM

VEHICLE TYPES



Rosco's new 7" mirror/monitor kit includes the STSM244 that can easily be mounted on the vehicle's existing rear view mirror button. This new addition to the MOR-Vision® product line allows up to 3 camera inputs for maximum coverage in or around the vehicle.



STSM244

COMPATIBILITY

KIT COMPONENTS:

MONITOR: STSM244

CAMERA: STSC130(B)(W)(R)

HARNESSES: STSH343 (33FT GREY), STSH130 (ADAPTER HARNES)

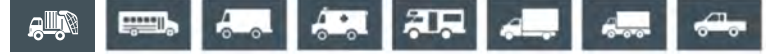
STSM244 MONITOR	FEATURES
SCREEN SIZE	7"
RESOLUTION	800 x 480 pixels
BRIGHTNESS AFTER MIRROR GLASS	700cd/m ²
INPUT FORMAT	4-pin
NUMBER OF CAMERA INPUTS	3
NUMBER OF TRIGGER INPUTS	3
VIEWING ANGLES	L/75°, R/75°, UP/60°, DOWN/60°

STSM244 MONITOR	FEATURES
INPUT FORMAT	NTSC
SHOCK RATING	2G
VIBRATION RATING	6G
POWER SUPPLY	DC 12V ~ 32V
OPERATING TEMPERATURE RANGE	-4°F to 158°F -20°C to 70°C
STORAGE TEMPERATURE RANGE	-22°F to 176°F -30°C to 80°C
MAXIMUM CURRENT CONSUMPTION	1,000mA



BACKUP/SIDE CAMERA

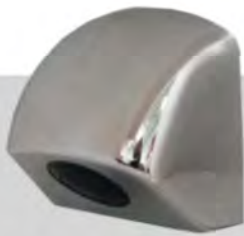
VEHICLE TYPES



The STSC130 Mini Color Camera is offered in 3 colors, Black, White, and Chrome to best fit your vehicle. This camera offers a 170° wide angle lens for an optimal view around the vehicle. This versatile camera can be configured as a backup or side camera for your application needs.



STSC130B
ACTUAL SIZE OF CAMERA



STSC130R



STSC130W

CAMERA OPTIONS:

STSK4730B INCLUDES STSC130B: BLACK
 STSK4730W INCLUDES STSC130W: WHITE
 STSK4730R INCLUDES STSC130R: CHROME

STSC130 CAMERA	FEATURES
RESOLUTION	733 x 493 pixels
INFRARED LEDS	0
NIGHT VISION RANGE	N/A
MINIMUM ILLUMINATION	0.2 LUX
IP RATING	IP69K
FIELD OF VIEW	170°

STSC130 CAMERA	FEATURES
OUTPUT FORMAT	NTSC
INPUT VOLTAGE RANGE	DC 12V ± 2V
OPERATING TEMPERATURE	-22°F to 149°F (-30°C to 65°C)
WEIGHT	0.71 lbs. (0.32 kg.)
DIMENSIONS W X H X D	1.5" x 1.0" x 1.4" (37mm x 25mm x 35mm)
MICROPHONE	N/A





**B23001311 (STP-5310-22AR) Submission from Soderholm Sales &
Leasing, Inc.**

Warranty & Maintenance



Soderholm Sales and Leasing, Inc

Warranty Procedure:

To get reimbursed for warranty work on the body or componentry included on the bus, please follow the following instructions and reference each warranty statement, as not all components carry the same coverage. Also, remember- not all issues are covered under warranty, and proper routine maintenance will need to have been followed (with proof) to ensure the warranty is still valid.

PRIOR Authorization Required for All Warranty Claims.

For the chassis, the local OEM dealer will be able to cover the warranty; we are not an authorized Ford, Chevy, Dodge, Chrysler, Toyota, etc., warranty provider. Only OEM dealer centers are authorized to do this work.

We are the (oftentimes the only) authorized warranty provider for the body and most components in Hawai'i and the Pacific. The bus body, chassis, and components all have different warranty coverage limits and statements and require varied authorizations.

1. Upon identification of a possible warrantable issue, please fill out the warranty request form (page 2) provided by Soderholm Sales.
2. Ensure that you have the VIN, serial numbers, photos, and all notes regarding the issue together.
3. Email these items to Jason Fukuda, our Warranty Manager, at Jason@SoderholmBus.com, cc'ing our Service Admin Angela Agader at Angela@SoderholmBus.com and any of the sales staff you wish to include.
4. Please have in the subject line a reference to the warranty request
5. We will assist in diagnosing & if the issue falls under the purview of the warranty, and we will request the repair authorized by the manufacturer.
6. Once the work is authorized, we will send parts, guidance, and approval.
7. If the item needs to be sent back to the manufacturer as part of the warranty procedure, we will advise you to send it to us or directly back to the manufacturer.
 - a. *Please do not throw away any items until this is discussed.*
 - b. If parts are not returned as may be required by the manufacturer, the warranty authorization may be revoked and not reimbursed



Warranty Inquiry Request Form

Customer: _____ **Date:** _____

When sending in this form, please **attach photos of the issue.**

Bus #:

Bus Mfg & Model:

Last 8 of VIN:

Chassis:

Odometer:

Vehicle Year:

WARRANTY ISSUE

Component:

Serial Number:

Issue:

Troubleshooting Completed:

Notes:

Submitted By:

For SSL Use Only Warranty Activation Date:

STP-5310-22AR (B23001311) Warranty Limits - Mini-Van Offer



MANUFACTURER	Warranty limit	
Chassis		
Chrysler	3 yr/36,000 mile Basic Warranty (7 yr/70,000 mile Power Train Warranty)	
Tires	Limited warranty with tire manufacturer from date tire is manufactured. Does not cover road hazards, improper use or operation, insufficient or improper maintenance or contamination or degradation for up to 6 years depending tires installed by chassis manufacturer.	
Van upfit builder		
*BraunAbility Basic Coverage	3 year/36,000 miles	
*BraunAbility Corrosion	5 year/100,000 miles	
Component manufacturers		
*Freedman	1 year from registration date	
	Metal components 5 years	
	Plastic components 3 years	
	Moving components 3 years	
	Gas shocks 1 year	
	Upholstery (foam) 2 years	
*Qstraint	QRT-360 series - 5 years	Parts only
	Track 1 year	Parts only
	Accessories 1 year	Parts only

Soderholm Sales and Leasing Inc. standard freight service for warranty is UPS/FEDEX Ground. If part is not available locally customers can request expedited freight (OVERNIGHT OR 2ND DAY) which will be charged to the customer.

* Soderholm Sales and Leasing, Inc. is the **EXCLUSIVE** Warranty Center in the State of Hawaii, see attached letters.

Limited Warrantly



BraunAbility®

Braun Public Use - Lowered Floor Wheelchair Accessible Vehicle

34941 Rev B

WARRANTY AND REGISTRATION INSTRUCTIONS

Examine your lowered floor minivan conversion for any damage. Should any damage have occurred during delivery, notify the carrier at once with any claims.

Review the service agreement, delivery checklist and warranty registration form with your sales representative. The form must be signed by the consumer and retailer. A hard copy is available upon request.

The warranty registration form must be processed electronically by the sales representative to activate the warranty. This Warranty Booklet contains detailed terms and provisions applicable to this vehicle.

Record the last eight digits of the vehicle identification number (VIN) in the space provided for future reference. This information must be provided when filing a warranty claim or ordering parts.

Vehicle Identification Number (VIN) _____

BraunAbility
Because Life is a Moving Experience®

**Mobility Conversion Service Agreement
Vehicle Delivery Checklist
Warranty Registration**

Customer Name _____
Address _____
Phone _____ Email _____ City _____ State _____ Web Referral Code _____
VIN (last 8) _____ Date of Purchase _____ Zip _____

THE BRAUN CORPORATION MOBILITY CONVERSION SERVICE AGREEMENT

This agreement is intended to clarify the service responsibilities to the Braun mobility conversion after the initial delivery of the vehicle. **This agreement shall be executed and electronically submitted to Braun with each conversion sale.**

Local service is the identification of the Braun authorized selling Mobility Retailer, and the Braun authorized local servicing technician and facilities.

By signing below, the purchaser of the mobility conversion acknowledges the adoption of the local servicing Mobility Retailer as the primary provider of service for the mobility conversion portion of this vehicle. All local servicing relative must be an authorized Braun Mobility Service Excellence Retailer (MSE-Sertified) in vehicle conversions.

Should the owner of the mobility conversion require service outside the local servicing area, they may take the mobility conversion to any Braun authorized mobility conversion retailer located within the United States. If the owner needs assistance in identifying a local servicing mobility retailer, they may either call 1-800-THE LIFE, or drop the Braun website at: <http://www.braun.com>

Note: This agreement only applies to the servicing of the Braun mobility conversion. Ancillary equipment, such as tie downs or lift and mobility conversion warranty. If there are issues relating to the chassis and/or conversion, it would be in the best interest of the mobility vehicle owner to contact the Braun authorized local servicing Mobility Retailer listed below before taking the vehicle to their local dealer.

Selling Mobility Retailer will be the servicing company. The following company to provide service:

Selling Mobility Retailer		Local Servicing Mobility Retailer	
Name _____	Dealer # _____	Name _____	Dealer # _____
Address _____	City _____	Address _____	City _____
Phone _____	State _____ Zip _____	Phone _____	State _____ Zip _____

Retailer Signature _____

Exterior

- Exterior clean and damage-free
- Spot free and lock location
- Operation of remote control
- Magnets entry (if applicable)
- Exterior activation of power door, kneeling and ramp
- Manual operation of door and ramp from exterior

Interior

- Gasps and instrumentation
- Location of interior switches to operate accessible
- Handicap
- Manual operation of door and ramp from interior
- Operation of tie downs
- Operation of lift & lumba seating (if applicable)
- Operation of seat belt
- Location of Braun computer

Additional

- Review both ODA and Braun owner's manuals
- Explain the Toyota Service Exchange program
- Explain Toyota Chase Only
- Explain recommended preventive maintenance and service schedule
- Explain procedures for warranty repair work
- Inform Customer of dealership service hours
- Advise Customer to check and maintain a signed record of all service work performed
- Complete and return warranty registration to activate warranty
- List all aftermarket equipment, see brand names and model numbers where possible

I hereby acknowledge that the mobility devices applicable to my vehicle have been demonstrated for use, and I fully understand and am aware of the equipment. I have been advised that wheelchair may not operate that properly in the event of an accident. I have read and understand with injury to my person and property as a result of my use of wheelchair during the conversion I have provided to correct.

Customer: I acknowledge that all items checked have been reviewed with me. _____
Sales Consultant: All items checked have been reviewed with the customer. _____

Customer Signature / Date _____
Sales Consultant Signature / Date _____

The dealer agrees to electronically submit this completed Mobility Conversion Service Agreement to BraunAbility immediately after the customer review takes place. Additionally, the dealer agrees to maintain a copy of this executed document, with appropriate signature attached, for a period of six (6) years.

To ensure that completed records are maintained by the dealer, BraunAbility shall periodically audit the applicable records to comply with these terms may notify any obligation that BraunAbility is providing copies of these records. Failure to provide with these terms may notify any obligation that BraunAbility may have to pay warranty claims submitted by the dealer.

I acknowledge the above agreement.

LIMITED WARRANTY

WARRANTY COVERAGE AND WARRANTY COVERAGE TIME PERIODS

The BraunAbility® (“Braun”) warranty covers Braun’s modifications and alterations for associated parts for three (3) years or the first thirty six thousand (36,000) miles, whichever occurs first. In addition, the corrosion protection portion of this warranty applies to covered parts (see below) for 5 years or 100,000 miles, whichever occurs first. The 3 year/36,000 mile limited warranty covers substantial defects in materials and workmanship attributable to Braun of the conversion van frame, floor structural components, ramp, door and associated structural components, electrical components, including but not limited to switches, wires, connectors and the controller and interior appearance items such as floor covering and the lower door extension assemblies. The corrosion warranty covers substantial defects in materials and workmanship attributable to Braun of the metal fabrication on or of the frame, floor and lower door extensions. These warranty periods begin on the date that the product is delivered to the first retail purchaser by an independent, authorized dealer of Braun, or, if the dealer places the product into any type of service prior to retail sale, on the date the dealer first places the product in such service.

This limited warranty applies to the first consumer purchaser, and the next subsequent owner, only. This limited warranty may be transferred once during the warranty period. However, the subsequent owner must submit a warranty transfer form to Braun to make the warranty transfer effective. All rights and limitations within this warranty are applicable to the original and subsequent owner of the product. The subsequent owner’s warranty coverage period is the remaining balance of the warranty coverage period that the prior owner was entitled to under this limited warranty. Warranty transfer forms can be obtained from any independent, authorized dealer, which must be submitted to Braun within thirty (30) days from the subsequent owner’s purchase, and proof of the purchase date must be supplied with the form.

WHAT BRAUN WILL DO TO CORRECT PROBLEMS

In the event that a substantial defect in material or workmanship, attributable to Braun, is found to exist during the warranty coverage periods, it will be repaired or replaced, at Braun's option, without charge to the owner, in accordance with the terms, conditions and limitations of this limited warranty.

Braun's obligation to repair or replace defective materials or workmanship is the sole obligation of Braun under this limited warranty. Braun reserves the right to use new or remanufactured parts of similar quality to complete any work, and to make parts and design changes from time to time without notice to anyone. Braun reserves the right to make changes in the design or material of its products without incurring any obligation to incorporate such changes in any previously manufactured product. Braun makes no warranty as to the future performance of this product, and this limited warranty is not intended to extend to the future performance of the product. In addition, the owner's obligation to notify Braun, or one of its authorized, independent dealers, of a claimed defect does not modify any obligation placed on the owner to contact Braun directly when attempting to pursue remedies under state or federal law.

LIMITED WARRANTY

LIMITATIONS, EXCLUSIONS AND DISCLAIMER OF IMPLIED WARRANTIES

ANY IMPLIED WARRANTY THAT IS FOUND TO ARISE BY WAY OF STATE OR FEDERAL LAW, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR ANY IMPLIED WARRANTY OF FITNESS, IS LIMITED IN DURATION TO THE TERMS OF THIS LIMITED WARRANTY AND IS LIMITED IN SCOPE OF COVERAGE TO THE SCOPE OF COVERAGE OF THIS LIMITED WARRANTY. Braun disclaims any express or implied warranty, including any implied warranty of fitness or merchantability, on items excluded from coverage as set forth in this limited warranty. Braun makes no warranty of any nature beyond that contained in this limited warranty. No one has authority to enlarge, amend or modify this limited warranty, and Braun does not authorize anyone to create any other obligation for it regarding this product. Braun is not responsible for any representation, promise or warranty made by any independent dealer or other person beyond what is expressly stated in this limited warranty. Any selling or servicing dealer is not Braun's agent, but an independent entity.

BRAUN SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES THAT MAY RESULT FROM BREACH OF THIS LIMITED WARRANTY OR ANY IMPLIED WARRANTY. THIS EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES SHALL BE INDEPENDENT OF ANY FAILURE OF THE ESSENTIAL PURPOSE OF ANY WARRANTY, AND THIS EXCLUSION SHALL SURVIVE ANY DETERMINATION THAT THIS LIMITED WARRANTY OR ANY IMPLIED WARRANTY HAS FAILED OF ITS ESSENTIAL PURPOSE. This warranty does not cover, and in no event shall Braun be liable for towing charges, travel, lodging, or any other expense incurred due to the loss of use of the product or other reason.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

HOW TO GET SERVICE

To obtain warranty service the owner must do all of the following:

1. Notify an authorized service center, of the claimed defect attributable to Braun, within the warranty coverage period designated above;
2. Provide the notification mentioned in (1), above, within ten (10) days of when the owner discovered, or should have discovered, the claimed defect;
3. Promptly schedule an appointment with and take the product to an authorized service center for service; and
4. Pay any transportation costs and all expenses associated with obtaining warranty service.

Since Braun does not control the scheduling of service work at the independent dealerships you may encounter some delay in scheduling or completion of work. If you need assistance you may contact Braun, at 631 West 11th Street, Winamac, Indiana 46996; Customer Experience Group 1-800-488-0359.

If two (2) or more service attempts have been made to correct any covered defect that you believe impairs the value, use or safety of the product, or if it has taken longer than thirty (30) days for repairs to be completed, you must, to the extent permitted by law, notify Braun directly, in writing, at the above address, of the unsuccessful repair(s) of the alleged defect(s) so that Braun can become directly involved in providing service pursuant to the terms of this limited warranty.

LIMITED WARRANTY

WHAT IS NOT COVERED

This Limited Warranty does not cover any of the following: defects in materials, components or parts of the product not attributable to Braun, any material, component or part of the product that is warranted by another entity (Note: the written warranty provided by the manufacturer of the material, component or part is the direct responsibility of that manufacturer); items that are added or changed after the product leaves Braun's possession; additional items installed at any dealership, or other place of business, or by any other party, other than Braun; normal wear, tear, usage, maintenance, service, periodic adjustments, the effects of condensation or moisture from condensation; mold or any damage caused by mold; imperfections that do not affect the product for its intended purpose; items that are working as designed but that you are unhappy with; problems related to mis-operation, misuse, mishandling, neglect or abuse, including failure to maintain the product in accordance with the owner's manual, or other routine maintenance such as inspections, lubricating, adjustments, tightening of screws, sealing, wheel alignments or rotating tires; damage due to accident or collision, including any acts of weather or damage or corrosion due to the environment; theft, vandalism, fire, or other intervening acts not attributable to Braun; damage resulting from tire wear or tire failure; defacing, scratches, dents or chips on any interior or exterior surface of the product, including those caused by rocks or other road hazards, damage caused by off road use, overloading or alteration of the product, or any of its components or parts;

Defects and/or damage to interior and exterior surfaces and other appearance items may occur at the factory or when the product is in transit to a dealer. These items are usually detected and corrected at the factory or by the selling dealer prior to delivery to the retail customer. You must inspect the product for this type of damage when you take delivery. If you find any such defect or damage you must notify the selling dealer, or Braun, at the time of delivery to have these items covered by this limited warranty and to have work performed on the items at no cost to you as provided by this limited warranty.

EVENTS DISCHARGING BRAUN FROM OBLIGATION UNDER WARRANTY

The following shall completely discharge Braun from any express or implied warranty obligation to repair or replace anything and void this warranty: any rental or other commercial use or purchase of the product (as defined in this warranty), misuse, neglect, collision, accidents, failure to provide routine maintenance (See Owner's Manual), unauthorized alteration, off road use, damage from weather or the environment, theft, vandalism, tampering, fire, explosions, overloading the product and odometer tampering.

LEGAL REMEDIES

Any action to enforce any portion of this limited warranty, or any implied warranty, must be commenced within six (6) months after expiration of the warranty coverage period designated above or the action will be barred because of the passage of time. Any performance of repairs shall not suspend this limitation period from expiring. Any performance of repairs after the warranty coverage period has expired, or performance of repairs regarding any thing excluded from coverage under this limited warranty shall be considered "good will" repairs, and they will not alter the terms of this limited warranty, or extend any warranty coverage period or the filing limitation period in this paragraph. In addition, since it is reasonable to expect that the product will need some service during the warranty period, this warranty does not extend to future performance. It only sets forth what Braun will do and does not guarantee anything about the product for any time period. Nothing in this warranty, or any action of Braun, or any agent of Braun, shall be interpreted as an extension of any warranty period or the filing limitation period in this paragraph. Some states do not allow a reduction in the statute of limitations, so this reduction may not apply to you.

LIMITED WARRANTY

WARRANTY REGISTRATION and MISCELLANEOUS

Your warranty registration records should be completed and delivered to the appropriate companies, including the Braun Delivery Checklist & Warranty form. That form must be returned to Braun within twenty (20) days of purchase. The Braun warranty will not be registered unless this warranty registration is completed and received by Braun. Failure to file this warranty registration with Braun will not affect your rights under this limited warranty as long as you can present proof of purchase, but it can cause delays in obtaining the benefits of this limited warranty, and it changes the start date of the warranty to the date of final assembly of the product by Braun.

Braun agrees to repair or replace any of its factory installed parts found to have substantial defects within the appropriate warranty period designated above, provided that the repair is authorized by Braun and carried out by an authorized service center (a Braun labor schedule determines the cost allowance for repairs). Braun will not honor any warranty claim for repairs or replacement of parts unless the claim is submitted with the appropriate paperwork, and the work is completed by an independent, factory authorized service center. The appropriate paperwork can be obtained by written or phone contact with Braun at the contact information in this warranty.

Braun reserves the right to designate where any warranty work can be performed. Braun also reserves the right to examine any defective workmanship or part prior to giving any authorization for warranty work. Braun's return authorization procedure must be adhered to in order to process any warranty claims.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE.

Maintenance Guidelines and Service Log



BraunAbility® Wheelchair Accessible Vehicles

BraunAbility® wheelchair accessible vehicles are designed to provide years of pleasure and mobility independence. Regular preventive maintenance procedures will ensure trouble free operation and increase the service life of your vehicle, as well as enhancing safety. Review this maintenance section with your sales representative.

Consumer Maintenance

As a consumer, general preventive maintenance cleaning and visual inspection procedures should be a part of your routine. Keeping the wheelchair accessible door and lowered floor opening clean is one of the most effective preventive maintenance practices the consumer can exercise. Inspect and clean often.

Side Entry Vehicles

Foldout and Infloor Ramps: Keep the passenger side slide door lower track pan free of debris, ice and snow. Smooth unobstructed slide door operation is crucial for dependable door and ramp functions.

Infloor Ramp: Keep the infloor ramp and ramp cassette area clean as well as the door track. Dirt, mud, snow, ice and other debris entering the cassette can result in potential ramp problems.

Rear Entry Vehicles

Keep the ramp/lowered floor seal and opening free of debris, ice and snow.

Pay close attention to the wheel-

chair accessible power door, kneel and ramp functions (as equipped). Inspect wheelchair tiedowns, occupant restraint belts and associated hardware.

If there is any sign of damage, wear, abnormal condition or improper operation, discontinue use immediately. Contact your sales representative or call 1-800-488-0359. One of our BraunAbility® Customer Care representatives will direct you to an authorized service center.

Preventive maintenance procedures performed by the consumer do not take the place of the procedures outlined in the following dealer scheduled maintenance section, or the maintenance procedures specified in the corresponding service manual.



Dealer Scheduled Maintenance

Maintenance of the wheelchair accessible systems and equipment is vital to function and reliability. Mobility equipment maintenance should be performed in conjunction with the maintenance scheduled by the vehicle OEM manufacturer.

Have OEM and BraunAbility® maintenance procedures performed according to recommended oil change intervals, or at 5,000 mile/8,000 km/6 month intervals (whichever comes first). A detailed maintenance schedule is provided in this manual that will closely correspond with the OEM

maintenance schedule. Keep track of scheduled maintenance and service procedures in the Maintenance and Service Log.

BraunAbility® lowered floor wheelchair accessible vehicles must be maintained and serviced by authorized service representatives who have attended the Mobility Service Excellence training program (MSE certified).

Service technicians should be familiar with the lowered floor configuration and any specialized driving equipment (driving controls). Extra care must be taken to avoid possible damage.

Your BraunAbility® certified dealer can perform maintenance and service procedures, or recommend a qualified service facility.

If in doubt, call 1-800-488-0359. A BraunAbility® Customer Care representative will direct you to an authorized service center.

WARNING

Maintenance and lubrication procedures must be performed by authorized service personnel as specified in this manual and applicable service manual. Failure to do so may result in serious bodily injury and/or property damage.

Maintenance and Service Log

Keep a record of scheduled maintenance and service. Document date, mileage and description of maintenance or service procedures performed in the maintenance log provided. Recording this information provides verification that maintenance has been performed as scheduled. Failure to do so may void your BraunAbility® mobility warranty.

Maintenance procedures will vary according to the specific lowered floor and ramp configuration. Maintenance intervals may vary according to frequency of use and conditions. Exposure to severe conditions (weather, environment, heavy usage, etc.) may require inspection and maintenance procedures to be performed more often.

ROUTINE MAINTENANCE SCHEDULE



10,000 KM or 6 Months

Engine Oil & Filter Change
Peace of Mind Multi-Point Inspection*
Rotate Tires if Required

20,000 KM or 1 Year

Engine Oil & Filter Change
Peace of Mind Multi-Point Inspection*
Rotate Tires if Required
Certified Front and Rear Brake Service
Alignment Inspection

30,000 KM or 18 Months

Engine Oil & Filter Change
Peace of Mind Multi-Point Inspection*
Rotate Tires if Required

40,000 KM or 2 Years

Engine Oil & Filter Change
Peace of Mind Multi-Point Inspection*
Rotate Tires if Required
Certified Front and Rear Brake Service
Alignment Inspection

50,000 KM or 30 Months

Engine Oil & Filter Change
Peace of Mind Multi-Point Inspection*
Rotate Tires if Required
Fuel Injector and Throttle Body Service

60,000 KM or 3 Years

Engine Oil & Filter Change
Peace of Mind Multi-Point Inspection*
Rotate Tires if Required
Certified Front and Rear Brake Service
Alignment Inspection

70,000 KM or 42 Months

Engine Oil & Filter Change
Peace of Mind Multi-Point Inspection*
Rotate Tires if Required

80,000 KM or 4 Years

Engine Oil & Filter Change
Peace of Mind Multi-Point Inspection*
Rotate Tires if Required
Certified Front and Rear Brake Service
Alignment Inspection

90,000 KM or 54 Months

Engine Oil & Filter Change
Peace of Mind Multi-Point Inspection*
Rotate Tires if Required

100,000 KM or 5 Years

Engine Oil & Filter Change
Peace of Mind Multi-Point Inspection*
Rotate Tires if Required
Certified Front and Rear Brake Service
Certified Brake Fluid Flush
Alignment Inspection
Four Wheel Drive Line Service**
Fuel Injector and Throttle Body Service
Certified Automatic Transmission Service

110,000 KM or 66 Months

Engine Oil & Filter Change
Peace of Mind Multi-Point Inspection*
Rotate Tires if Required

120,000 KM or 6 Years

Engine Oil & Filter Change
Peace of Mind Multi-Point Inspection*
Rotate Tires if Required
Certified Front and Rear Brake Service
Alignment Inspection

130,000 KM or 78 Months

Engine Oil & Filter Change
Peace of Mind Multi-Point Inspection*
Rotate Tires if Required
Certified Engine Tune Up

140,000 KM or 7 Years

Engine Oil & Filter Change
Peace of Mind Multi-Point Inspection*
Rotate Tires if Required
Certified Front and Rear Brake Service
Alignment Inspection

150,000 KM or 90 Months

Engine Oil & Filter Change
Peace of Mind Multi-Point Inspection*
Rotate Tires if Required
Fuel Injector and Throttle Body Service

160,000 KM or 8 Years

Engine Oil & Filter Change
Peace of Mind Multi-Point Inspection*
Rotate Tires if Required
Certified Front and Rear Brake Service
Alignment Inspection

170,000 KM or 102 Months

Engine Oil & Filter Change
Peace of Mind Multi-Point Inspection*
Rotate Tires if Required

180,000 KM or 9 Years

Engine Oil & Filter Change
Peace of Mind Multi-Point Inspection*
Rotate Tires if Required
Certified Front and Rear Brake Service
Alignment Inspection

190,000 KM or 114 Months

Engine Oil & Filter Change
Peace of Mind Multi-Point Inspection*
Rotate Tires if Required

200,000 KM or 10 Years

Engine Oil & Filter Change
Peace of Mind Multi-Point Inspection*
Rotate Tires if Required
Certified Front and Rear Brake Service
Certified Brake Fluid Flush
Alignment Inspection
Four Wheel Drive Line Service**
Fuel Injector and Throttle Body Service
Certified Automatic Transmission Service
Coolant Flush

STP-5310-22AR (B23001311) Warranty Limits - Van Offer



MANUFACTURER	Warranty limit	
Chassis		
FORD	3 yr/36000 mile Basic Warranty (5 yr/60000 mile Power Train Warranty)	
TIRE	Limited warranty with tire manufacturer from date tire is manufactured. Does not cover road hazards, improper use or operation, insufficient or improper maintenance or contamination or degradation for up to 6 years depending tires installed by chassis manufacturer.	
Bus body builder		
*Sunset Vans base warranty	3 years/50,000 miles	
Component manufacturers		
*Braun	3 Years Parts and labor, 5 Years parts replacement on hydraulic componenets. Lift must be registered with Braun. Pendants not covered.	
*Freedman	1 year from registration date	
	Metal components 5 years	
	Plastic components 3 years	
	Moving components 3 years	
	Gas shocks 1 year	
	Upholstery (foam) 2 years	
InterMotive	2 years from in service date	
*Qstraint	QRT-360 series - 5 years	Parts only
	Track 1 year	Parts only
	Accessories 1 year	Parts only

Soderholm Sales and Leasing Inc. standard freight service for warranty is UPS/FEDEX Ground. If part is not available locally customers can request expedited freight (OVERNIGHT OR 2ND DAY) which will be charged to the customer.

* Soderholm Sales and Leasing, Inc. is the **EXCLUSIVE** Warranty Center in the State of Hawaii, see attached letters.



Important Information

Thank you for purchasing a conversion from Sunset Vans Inc. We look forward to exceeding your expectations and to your continued input. We have included some important pieces of information to help make the operation of your new vehicle easier.

- Read through the supplied manuals for the lift and air conditioner. These are located in the center console (engine cover).
- The lift warranty card needs to be filled out and mailed to the lift manufacturer immediately. If this card is not returned the warranty may not cover the lift after 1 year. The warranty card must be returned within 20 days or you will not be protected for the full warranty term.
- Read the Sunset Vans Inc. warranty policy.
- In the event that there is a problem with your vehicle call 562-862-2177 and we attempt to resolve the issue immediately.
- To prolong the life of your wheelchair lift we recommend having it serviced and adjusted every 6-12 months. This will help eliminate minor problems and will prolong the life of your wheelchair lift. These lifts are similar to automobiles and need periodic maintenance for proper operation and longevity.
- It is important that any new van operators are well trained with the operation of the lift and driver safety.
- We would appreciate it if you would fill out the Sunset Vans questioner. Your input is very valuable. It enables us to continually improve our products. Your feedback is a very vital part of our product design and your participation is appreciated.

Thanks again,

The Sunset Team



Warranty Description and Procedures

Sunset Vans warrants its ADA conversion for a period of 3 years or 50,000 miles. We will repair and replace damaged parts that are due to manufactures defect. Misuse, neglect, or human error is not covered. Below is a list of special warranty conditions and exceptions.

The lift manufacturer warrants lifts for their time specified, typically 3-5 years. It is important that the manufactures warranty card is returned when the vehicle is first purchased. Some vendors only give a 1-year warranty if the warranty card is not returned. Sunset will repair any warranty work free of charge according to the lift manufactures guidelines. Damaged caused by neglect or misuse, such as lift rising into door and breaking off handle, or having the ramp ran over by an automobile is not covered under warranty. See the manufacturers warranty information for specific details on your model lift. Lift manufacturers recommended that all hydraulic lifts are serviced and adjusted once every 6 months to prolong the life of the lift.

The Pro Air conditioner unit is under warranty for 1 year or 12,000 miles. In the event that there is a problem you may call Sunset Vans Inc. at 562-862-2177 or call the Pro Air service center at 800-338-8544 and ask for the customer service department. There are ProAir service centers throughout the United States for your convenience. If equipped with an OEM Rear air the Ford Factory 3 year or 36K warranty would be in effect.

OEM Vehicle Warranty is provided by the OEM. Ford, Ram, Chrysler each provide their respective warranty. Please view the owners manual for terms and conditions for OEM parts and coverages. The vehicle warranty is independent of the Sunset conversion warranty.

Warranty Procedures

In the event that an item needs to be fixed or replaced call Sunset Vans Inc. at 562-862-2177 x306. Give a description of the problem and we will resolve the issue as soon as possible.

Our warranty process is as follows:

If a minor repair is needed the vehicle needs to brought to Sunset Vans Inc. for repair at your convenience. In the event that the vehicle is beyond 50 miles, prior approval can be given by Sunset to take the vehicle to a local repair facility. A minor repair is defined as a problem that does not inhibit the vehicle or lift from fulfilling its duties of transporting passengers.

In the event that the vehicle is severely damaged due to a manufactures problem and is restricting the vehicle from being used to fulfill its duties of transporting passengers, Sunset Vans Inc. will pick up the vehicle and deliver it locally if the vehicle is within 50



miles of Sunset Vans Inc. If the vehicle is a greater than 50 miles away a claim may be submitted to Sunset to allow a local repair facility to perform an immediate repair, only with Sunsets prior approval.

Sunset is not responsible for transportation of the vehicle to or from the repair facility rental, or for loss of time, wages or business. Manufacturer warranty policies supersede.

STP-5310-22AR (B23001311) Warranty Limits - Bus Offer



MANUFACTURER	Warranty limit	
Chassis		
FORD	3 yr/36000 mile Basic Warranty (5 yr/60000 mile Power Train Warranty)	
TIRE	Limited warranty with tire manufacturer from date tire is manufactured. Does not cover road hazards, improper use or operation, insufficient or improper maintenance or contamination or degradation for up to 6 years depending tires installed by chassis manufacturer.	
Bus body builder		
*Starcraft base warranty	12 months/12000 miles	
*Starcraft body structure	5 year/100,000 miles	
Component manufacturers		
A&M Door	1 year from installation at bus manufacturer	
Trans/Air	2 year unlimited mileage warranty - Starcraft 1st year/12000 miles (installers)	
*Braun	3 Years Parts and labor, 5 Years parts replacement on hydraulic componenets. Lift must be registered with Braun. Pendants not covered.	
Cleer Vision Windows	12 months repair or replacement	
DialLight	12 months repair or replacement	
EchoVision	1 year from installation date - parts coverage only	
*Freedman	1 year from registration date	
	Metal components 5 years	
	Plastic components 3 years	
	Moving components 3 years	
	Gas shocks 1 year	
Upholstery (foam) 2 years		
Gerflor	10 year limited warranty	
InterMotive	2 years from in service date	
MorRyde	3 years or 70,000 miles limited	
*Qstraint	QRT-360 series - 5 years	Parts only
	Track 1 year	Parts only
	Accessories 1 year	Parts only
Rosco	12 months replacement (or repaired if Rosco chooses) effective the date of receipt of the product	

Soderholm Sales and Leasing Inc. standard freight service for warranty is UPS/FEDEX Ground. If part is not available locally customers can request expedited freight (OVERNIGHT OR 2ND DAY) which will be charged to the customer.

* Soderholm Sales and Leasing, Inc. is the **EXCLUSIVE** Warranty Center in the State of Hawaii, see attached letters.

STARCRAFT COMMERCIAL BUS WARRANTY

NOTICE

Please return the warranty registration card to register the warranty with STARCRAFT BUS so that Starcraft Bus may record your rights under this limited warranty and to assure prompt assistance. Your dealer will provide the warranty card for you to sign. If you do not remember signing a STARCRAFT BUS warranty card at the time of delivery, please contact your dealer.

1. Who Warrants the product

The product, as described and limited here, is warranted by the manufacturer and installer of the body: STARCRAFT BUS, Division of Forest River, Inc., hereinafter referred to as STARCRAFT BUS, 2367 Century Drive, Goshen, IN; an Indiana Corporation; and is administered by the STARCRAFT BUS Customer Service Dept., Goshen, Indiana 46528.

2. Who Is Covered

STARCRAFT BUS, the warrantor, extends this limited warranty to the original owner of the vehicle during the WARRANTY PERIOD.

3. What Is Covered

STARCRAFT BUS, your warrantor, extends the following limited warranty to you, which limited warranty covers your conversion only as to material defects in all materials and workmanship supplied by or performed by STARCRAFT BUS.

4. Warranty Period

The STARCRAFT BUS limited warranty is for a period of one (1) year from the date of first delivery or 12,000 miles for the Xpress; Starquest; Starlite; Allstar; Allstar XL; MVP; Ultrastar, and the XLT, whichever occurs first, except for other coverages listed under "Other Warranties that may Apply" and items listed under "Exclusions and Limitations" and "Limits of the Warranty."

5. Extended Warranty on Structural Items

Warrantor warrants to the original purchaser for a period of five (5) years from the date of first delivery or 100,000 miles, whichever comes first, that this produce shall be free of SUBSTANTIAL DEFECTS arising out of or relating to the structural portion of the product. THIS STRUCTURAL WARRANTY IS INTENDED TO COVER ONLY THE PERFORMANCE OF THE STEEL CAGE STRUCTURE OF THE BUS BODY for the Xpress; Starquest; Starlite; Allstar; Allstar XL; MVP; Ultrastar, and the XLT.

Custom paint and/or tape application, if performed by STARCRAFT BUS, is warranted to be free of substantial defects in workmanship and materials provided by STARCRAFT BUS for one (1) year (12 months) from date of original purchase.

6. Other Warranties That May Apply

STARCRAFT BUS does not warrant the base vehicle itself. The vehicle engine, chassis, drive train, suspension system, battery, and other chassis components are covered by a separate warranty offered by the manufacturer of the vehicle and administered by the manufacturer's authorized dealers. The tire manufacturer separately warrants tires. Examples of other manufacturer warranties, which may include the following, but not limited to:

- Electrical Components
- Air Conditioning and Heater(s)
- Wheelchair Restraints and Wheelchair Lifts

For a complete list of items and their respective warrantor, please contact Starcraft Bus Customer Service Department.

7. Owner's Responsibility

Proper maintenance and cleaning of the exterior and interior of the vehicle is the responsibility of the owner. See the owner's manual for proper care instructions. Defects or damage as a result of improper care or maintenance are not covered by the warranty.

8. Exclusions and Limitations

Damage caused by abuse, misuse, neglect, failure to observe reasonable and required maintenance practices, acid rain, accidents, natural disasters, acts of war and normal wear and tear and facing of fabrics, carpeting and/or fiberglass are not covered. Light bulbs and fuses are not covered.

Damage or deterioration to the physical appearance of the unit if such damage is the result of normal use, wear and tear, or exposure to the elements.

Damages that may occur to the chassis, frame, other parts or components that occur due to overloading will not be covered and may invalidate portions of the STARCRAFT BUS warranty.

Cosmetic or surface corrosion resulting from stone chips or scratches in paint are not covered.

STARCRAFT BUS does not cover accessories covered by their own manufacturer's warranties. Those items listed in paragraph 6 above are not covered or warranted by STARCRAFT BUS.

Replacement parts provided under terms of the warranty will whenever possible, match original equipment. When necessary, STARCRAFT BUS will substitute parts of comparable function and value. Defective items may be replaced with new, remanufactured, reconditioned or repaired components.

Modifications, alterations or repairs performed by unauthorized personnel may invalidate portions of the STARCRAFT BUS warranty. In addition, USING THIS VEHICLE TO TOW ANOTHER VEHICLE IS PROHIBITED AND MAY VOID WARRANTY. Contact STARCRAFT BUS Customer Service before you make any changes.

9. Recovery Limitations

NO PERSON SHALL BE ENTITLED TO RECOVER FROM WARRANTOR FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES ARISING OUT OF OR RELATING TO ANY DEFECT IN THE PRODUCT. These limitations include, but are not limited to, loss of time; loss of use; loss of revenues, salaries or commissions; towing charges; bus fares; car rentals; gasoline expenses; telephone charges; inconvenience or other incidental damages.

10. How to get warranty service

To obtain warranty service, contact or visit the dealership where you originally purchased your vehicle or another warranty service facility designated by STARCRAFT BUS. Have the dealership contact Starcraft bus Customer Service Department for authorization to have a warranty claim submitted. If you or your dealer has moved, or if your dealer is no longer in business, contact STARCRAFT BUS Customer Service Department (see address and telephone numbers below) for the name of a STARCRAFT BUS dealer nearest you. Your claim must be made within 30 days of the discovery of the defect. Based on the determination of STARCRAFT BUS, and subject to the terms of the warranty, the warranty repair work will be authorized by STARCRAFT BUS.

All warranty claims must be reported within the warranty period. Warranty personnel must authorize all warranty service prior to performance. Warranty service may be reported directly to the warrantor or to one of their authorized dealers. If warranty personnel approve warranty service, you must leave the unit at the appropriate warranty service location for a sufficient time to perform service.

11. Who Performs Warranty Service

The best place to obtain warranty service is at the dealership where you originally purchased your bus. If the dealership cannot perform the service work, they should call STARCRAFT BUS Customer Service Department for assistance (see number below). If you are unable to visit your original dealer, contact STARCRAFT BUS Customer Service Department (address below) for the name and location of a STARCRAFT BUS dealer near you.

12. Dispute Resolution

Should you be unable to resolve a disagreement with your dealer regarding your right to pursue warranty coverage for a needed repair, contact the STARCRAFT BUS Customer Service Department (see address below). If a dispute about warranty service arises between STARCRAFT BUS and you, the owner, the disagreement will be resolved in accordance with the customary procedures of the American Arbitration Association relating to commercial transactions, or the dispute will be submitted to a panel of three (3) arbitrators for decision. The panel will be made up of one member appointed by STARCRAFT BUS, one member appointed by the complainant/owner, and one member from the arbitrators group mentioned above. Any and all legal remedies shall be available to the owner after pursuing this informal dispute resolution if a ruling is entered against STARCRAFT BUS and STARCRAFT BUS fails to abide by the ruling. The expenses of arbitration will be paid by the party against whom the arbitrator(s) rule.

13. Limits Of Warranty

This written statement of limited warranty represents the entire warranty authorized and offered by STARCRAFT BUS. There are no warranties or representations beyond those expressed in this written document. Any dealership, salesperson or agent cannot amend it. It expressly limits all warranties, including, but not limited to, by way of specification, both express and implied warranties, including warranties or merchantability and fitness for a particular purpose along with all other liabilities or obligations of STARCRAFT BUS.

FEDERAL COMPLIANCE

THE TERMS OF THE WARRANTOR'S UNDERTAKING EXPRESSED IN THIS LIMITED WARRANTY ARE DRAFTED TO COMPLY WITH THE MAGNUSON MOSS WARRANTY LEGISLATION, P.L. 93-637 OF 1974, AND OTHER APPLICABLE LAW. ANY WARRANTY PROVISIONS PROMULGATED BY THE FEDERAL TRADE COMMISSION PURSUANT TO RULES OR ANY OTHER LAW RELATIVE THERETO ARE EXPRESSLY INCORPORATED HEREIN. TO THE EXTENT ANY PROVISIONS OF THIS LIMITED WARRANTY ARE INCONSISTENT WITH STATE LAWS, ONLY THOSE PARTS INCONSISTENT ARE VOID.

STARCRAFT BUS
Division of Forest River, Inc.
CUSTOMER SERVICE DEPT.
2367 Century Drive
Goshen, IN 46528
Phone: 800.348.7440
Fax: 574.642.4853



FOREST RIVER BUS

Maintenance Schedule

Intervals based on hours or miles, whichever comes first. Please refer to chassis Owner's Manual for additional information.

Inspection or Service Item		Inspect Daily	Inspect Weekly	350 hrs or 3000 mi	700 hrs or 6000 mi	1050 hrs or 9000 mi	1400 hrs or 12000 mi	1750 hrs or 15000 mi	2100 hrs or 18000 mi	2450 hrs or 21000 mi	2800 hrs or 24000 mi	3150 hrs or 27000 mi	3500 hrs or 30000 mi	3850 hrs or 33000 mi	4200 hrs or 36000 mi
5. Front Axle and Suspension	Check alignment and pivot points for wear.			X		X			X		X		X		X
	Check front shocks for leaks or worn bushings.						X			X			X		
	Check axle and mounting for any damage, looseness and worn parts.		X			X				X			X		
6. Rear Axle and Suspension	Check rear shocks for leaks or worn bushings.		X			X				X			X		
			X			X				X			X		
7. Transmission	Check exterior of transmission for fluid leaks		X			X				X			X		
	Check lines and fittings for leakage or looseness, and lubricate linkage		X			X				X			X		
	Check Transmission fluid level.	X													
8. Brakes	Check Master Cylinder fluid level	X													
	Check linings and drum/rotor condition. Inspect hoses and fittings.			X		X		X		X		X		X	X
9. Tires	Check tire pressure, including spare.		X			X				X			X		
	Inspect tires for cuts, bulges or other damage.		X			X				X			X		
	Rotate Tires						X						X		
	Check wheel studs and nuts for damage and proper torque. Inspect rims for damage.		X			X				X			X		
10. Fuel System	Check lines, tank for damage. Check for leakage and loose hardware.		X			X				X			X		
	Check for water in fuel (Diesel), dirt in filter.		X			X				X			X		
Inspect and replace fuel filter - See Chassis Owners Manual															
11. Drive Shaft	Check drive shaft guards for damage or broken welds.			X		X		X		X		X		X	X
	Inspect Drive Shaft for damage, looseness or other damage.						X						X		
12. Engine	Inspect cooling system for loose hose clamps, obstructions to radiator, leakage or other damage.		X			X				X			X		
	Inspect Air Filter for excessive dirt. Replace if needed.		X			X				X			X		
	Inspect engine cooling fan, belts, pulleys for damage or looseness. Repair/replace as needed.			X		X		X		X		X	X		X
	Change Engine Oil and filter	See Chassis Owner's Manual. Suggested Change Interval is 3000 miles.													
	Inspect engine mounts, exhaust manifolds for looseness or damage.						X						X		
13. Electrical	Inspect Battery for loose terminals, corrosion.						X				X				X
	Check all exterior lights for proper operation and damage.	X													
	Check all interior lights for proper operation and damage.	X													
	Check headlights for proper operation and aim.		X			X				X			X		
	Check wiring grounds for corrosion and looseness.		X			X				X			X		
	Check electrical panel for loose or damaged terminal connections.		X			X				X			X		
14. Dash and Rear Heater, A/C	Check all heater controls, including defroster for proper operation.	X													
	Inspect rear heater(s) for damage, leaks and obstructions.					X				X					X
Refer to Owners Manual from Chassis Mfg., or Air Conditioner Mfg. manual for A/C service information.															
15. Misc.	Check horn, hazard lights, back-up alarm for proper operation.	X													
	Cycle Wheelchair Lift through full cycle, check interlock.	X													
	Check engine oil, power steering fluid level, and parking brake operation.	X													

Note: Most operation of buses falls under Severe Usage in Chassis Owner's Manual due to urban stop-and-go type of use normally associated with this type of vehicle.

2022 Model Year **Ford Warranty Guide**

(Except F-600/F-650/F-750/F-53/F-59
Over 19,500 lbs. GVWR and Electric Vehicles)



owner.ford.com

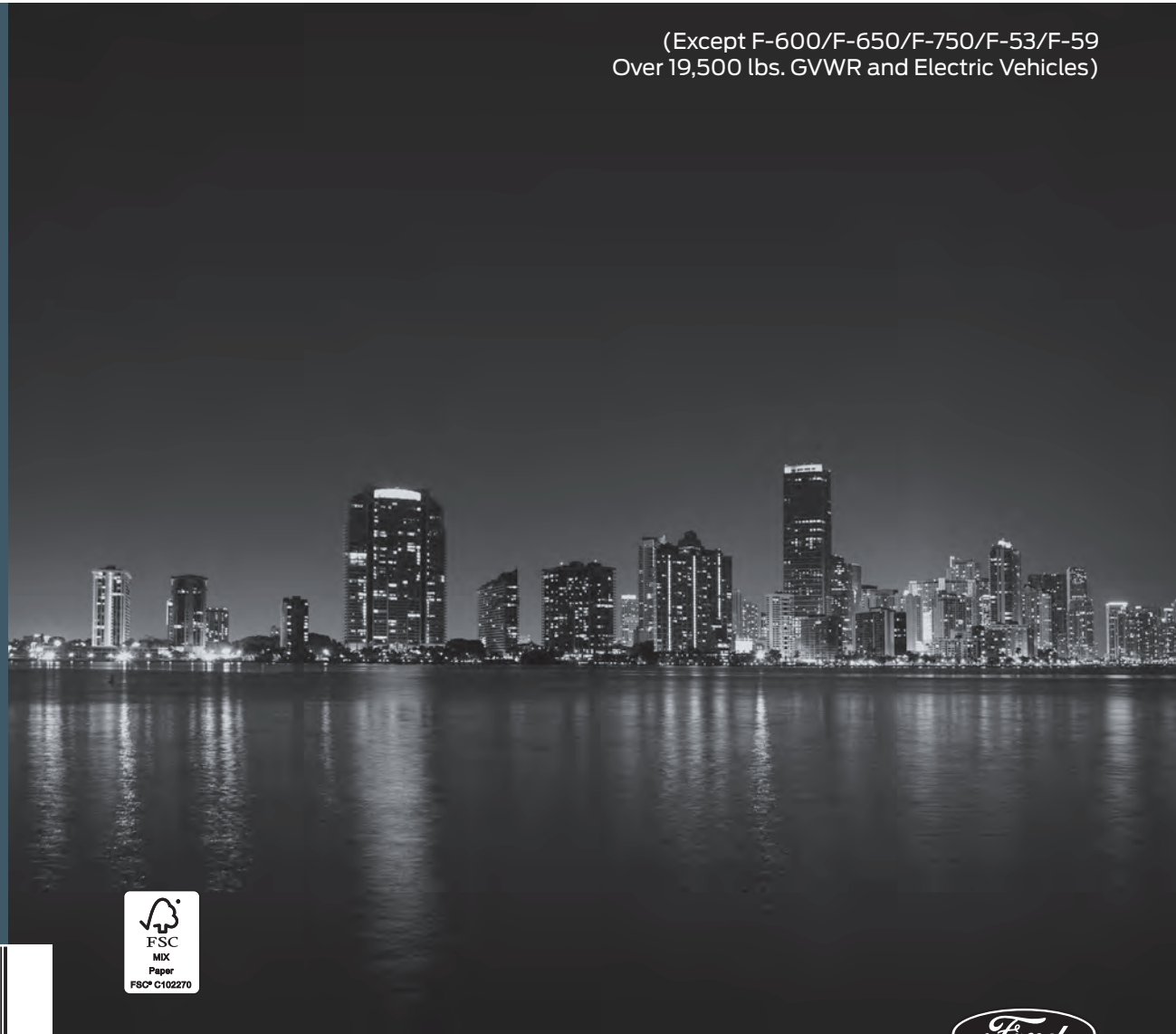


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Your satisfaction is our #1 goal. If you have any questions or concerns, or are unsatisfied with the service you are receiving, follow these steps:

1. Contact your Sales Representative or Service Advisor at your selling/servicing dealership.
2. If your inquiry or concern remains unresolved, contact the Sales Manager, Service Manager or Customer Relations Manager.
3. If you require assistance or clarification on Ford Motor Company policies or procedures, please contact the Ford Customer Relationship Center.

In the United States: Ford Motor Company Customer Relationship Center P.O. Box 6248 Dearborn, MI 48121 1-800-392-3673 (FORD) For the hearing- or speech-impaired: Please contact the Telecommunication Relay Service by dialing 711 www.owner.ford.com	In Canada: Customer Relationship Centre Ford Motor Company of Canada, Limited P.O. Box 2000 Oakville, Ontario L6J 5E4 1-800-565-3673 (FORD) TDD for hearing impaired 1-888-658-6805 M-F 8:30 AM - 8:00 PM (ET) www.ford.ca
In Asia-Pacific Region, Sub-Saharan Africa, U.S. Virgin Islands, Central America, the Caribbean, and Israel: Ford Motor Company Ford Export Operations Attention: Customer Relations 1555 Fairlane Drive Fairlane Business Park #3 Allen Park, MI 48101 Telephone: (313) 594-4857 For customers in Guam, the Commonwealth of the Northern Mariana Islands (CNMI), America Samoa, and the U.S. Virgin Islands, please feel free to call our Toll-Free Number: (800) 841-FORD (3673) Fax: (313) 390-0804 E-mail: expcac@ford.com	In Puerto Rico: Ford International Business Development, Inc. P.O. Box 11957 Caparra Heights Station San Juan, PR 00922-1957 Telephone: (800) 841-FORD (3673) Fax: (313) 390-0804 E-mail: prcac@ford.com www.ford.com.pr
In Middle East: Ford Middle East Customer Relationship Center P.O. Box 21470 Dubai, United Arab Emirates Telephone: 971-4-3326084 Toll-free Number for the Kingdom of Saudi Arabia: 800 8971409 Local Telephone Number for Kuwait: 24810575 Fax: 971-4-3327299 E-mail: menacac@ford.com www.me.ford.com	

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1. Introduction

Ford Motor Company and your selling dealer thank you for selecting one of our quality products. Our commitment to you and your vehicle begins with quality protection and service.

When you need warranty repairs, your selling dealer would like you to return to it for that service, but you may also take your vehicle to another Ford Motor Company dealership authorized for warranty repairs. Certain warranty repairs require special training though, so not all dealers are authorized to perform all warranty repairs. That means that, depending on the warranty repair needed, the vehicle may need to be taken to another dealer. If a particular dealership cannot assist you, then contact the Customer Relationship Center at 1-800-392-3673.

This booklet explains in detail the warranty coverages that apply to your 2022-model car or light truck. If you bought a previously owned 2022-model vehicle, you are eligible for any remaining warranty coverages.

Ford Motor Company provides the **Emissions Defect Warranties** and **Emissions Performance Warranties** which cover your emissions control systems, and **Noise Emissions Warranty** which applies only to medium/heavy duty trucks over 10,000 pounds Gross Vehicle Weight Rating (pages 19-36).

2. Important information you should know

IF YOU NEED CUSTOMER ASSISTANCE

Your Ford Motor Company dealer is available to assist you with all your automotive needs. Please follow the procedures outlined on the front page of this booklet.

In addition, if you are an eligible U.S. owner, you may use - at no cost - the services of the BBB AUTO LINE program. For details, see Better Business Bureau (BBB) AUTO LINE program, page 38 or call 1-800-955-5100.

KNOW WHEN YOUR WARRANTY BEGINS

Your **Warranty Start Date** is the day you take delivery of your new vehicle or the day it is first put into service (for example, as a dealer demonstrator), whichever occurs first.

CHECK YOUR VEHICLE

We try to check vehicles carefully at the assembly plant and the dealership, and we usually correct any damage to paint, sheet metal, upholstery, or other appearance items. But occasionally something may slip past us, and a customer may find that a vehicle was damaged before he or she took delivery. If you see any damage when you receive your vehicle, notify your dealership within one week.

MAINTAIN YOUR VEHICLE PROPERLY

Your glove compartment contains an **Owner's Manual** which indicates the scheduled maintenance required for your vehicle. Proper maintenance guards against major repair expenses resulting from neglect or inadequate maintenance, may help increase the value you receive when you sell or trade your vehicle, and is important in allowing your vehicle to comply with applicable emissions standards.

It is your responsibility to make sure that all of the scheduled maintenance is performed and that the materials used meet Ford engineering specifications. Failure to perform scheduled maintenance as specified in the Owner's Manual will invalidate warranty coverage on

parts affected by the lack of maintenance. Make sure that receipts for completed maintenance work are retained with the vehicle.

Your Ford or Lincoln dealership, or Ford or Lincoln Quality Care Service Center, has factory-trained technicians who can perform the required maintenance using genuine Ford parts. The dealership looks forward to meeting your every service need to maximize your satisfaction with your vehicle.

WHO PAYS FOR WARRANTY REPAIRS?

You will not be charged for repairs covered by any applicable warranty during the stated coverage periods, unless specifically stated elsewhere in this guide.

Some states have mandated alternate time coverage periods for parts of your vehicle (e.g. seatbelts).

Some states and/or local governments may require a tax on a portion of warranty repairs. Where applicable law allows, the tax must be paid by you, the owner of the vehicle.

During the Bumper to Bumper Warranty period, dealers may receive instructions to provide no-cost, service-type improvements - not originally included in your Owner's Manual - intended to increase your overall satisfaction with your vehicle.

Sometimes Ford may offer a special adjustment program to pay all or part of the cost of certain repairs beyond the terms of the applicable warranty. Check with your dealer or call 1-800-392-3673 to learn whether any adjustment program is applicable to your vehicle. Please have your vehicle identification number available.

DO WARRANTIES APPLY IN OTHER COUNTRIES?

The **New Vehicle Limited Warranty** and the **Emissions Warranties** described in this booklet apply to your vehicle if:

- it was originally purchased through the Ford Export Operations Military Sales Program; or
- it was originally sold or leased by Ford Motor Company or one of its dealers in the United States or U.S. Federalized Territories, and it was originally registered/licensed and operated in the United States, U.S. Federalized Territories, or Canada.

If you meet either of these two requirements, you do have warranty coverage when you travel with this vehicle outside the United States, U.S. Federalized Territories, or Canada. In some cases, however, you may have to pay the servicing Ford dealer in a foreign country or U.S. Federalized Territory for a repair that is covered under the U.S. warranty. If this happens, be sure to save the paid repair order or invoice. You should present this document to a U.S. Ford Motor Company dealer for warranty refund consideration. Refer to www.Ford.com for additional customer assistance reference information.

3. The New Vehicle Limited Warranty for your 2022-model vehicle

LIMITATIONS AND DISCLAIMERS

All of the warranties in this booklet are subject to the following limitations and disclaimers:

The warranties in this booklet are the only express warranties applicable to your vehicle. Ford does not assume or authorize anyone to assume for it any other obligation or liability in connection with your vehicle or these warranties. No person, including Ford employees or dealers, may modify or waive any part of these warranties.

Ford and its dealers reserve the right to make changes in or additions to vehicles built or sold by them at any time without incurring any obligation to make the same or similar changes or additions to vehicles previously built or sold.

Ford and its dealers also reserve the right to provide post-warranty repairs, conduct recalls, or extend the warranty coverage period for certain vehicles or vehicle populations, at the sole discretion of Ford. The fact that Ford has provided such measures to a particular vehicle or vehicle population in no way obligates Ford to provide similar accommodations to other owners of similar vehicles.

As a condition of these warranties, you are responsible for properly using, maintaining, and caring for your vehicle as outlined in your Owner's Manual. Ford recommends that you maintain copies of all maintenance records and receipts for review by Ford.

Ford and your dealer are not responsible for any time or income that you lose, any inconvenience you might be caused, the loss of your transportation or use of your vehicle, the cost of rental vehicles, fuel, telephone, travel, meals, or lodging, the loss of personal or commercial property, the loss of revenue, or for any other incidental or consequential damages you may have.

Punitive, exemplary, or multiple damages may not be recovered unless applicable law prohibits their disclaimer.

You may not bring any warranty-related claim as a class representative, a private attorney general, a member of a class of claimants or in any other representative capacity.

Ford shall not be liable for any damages caused by delay in delivery or furnishing of any products and/or services.

You may have some implied warranties. For example, you may have an implied warranty of merchantability (that the car or light truck is reasonably fit for the general purpose for which it was sold) or an implied warranty of fitness for a particular purpose (that the car or light truck is suitable for your special purposes), if a special purpose was specifically disclosed to Ford itself not merely to the dealer before your purchase, and Ford itself not just the dealer told you the vehicle would be suitable for that purpose.

These implied warranties are limited, to the extent allowed by law, to the time period covered by the written warranties, or to the applicable time period provided by state law, whichever period is shorter.

DISCLAIMER OF IMPLIED WARRANTIES FOR BUSINESS AND RACING USE

****** Ford disclaims all implied warranties if the vehicle is used for business or commercial purposes. ******

****** Ford disclaims the implied warranty of fitness for a particular purpose if your vehicle is used for racing, even if the vehicle is equipped for racing. ******

The warranties contained in this booklet and all questions regarding their enforceability and interpretation are governed by the law of the state in which you purchased your Ford vehicle. Some states do not allow Ford to limit how long an implied warranty lasts or to exclude or limit incidental or consequential damages, so the limitation and exclusions described above may not apply to you.

APPLICABILITY OF LIMITATIONS OF IMPLIED WARRANTY TO NEW VEHICLE LIMITED WARRANTY AND EMISSIONS WARRANTY

****** This information about the limitation of implied warranties and the exclusion of incidental and consequential damages under the NEW VEHICLE LIMITED WARRANTY also applies to the EMISSIONS WARRANTIES described on pages 19-35. ******

Ford participates in the BBB AUTO LINE warranty dispute resolution program. You may contact BBB AUTO LINE by calling 800-955-5100.

You are required to submit your warranty dispute to the BBB AUTO LINE before exercising rights or seeking remedies under the Federal Magnuson-Moss Warranty Act, 15 U.S.C. § 2301 et seq. To the extent permitted by the applicable state “Lemon Law”, you are also required to submit your warranty dispute to the BBB AUTO LINE before exercising any rights or seeking remedies under the “Lemon Law”.

If you choose to seek remedies that are not created by the Magnuson-Moss Warranty Act or the applicable state “Lemon Law,” you are not required to first use BBB AUTO LINE to resolve your dispute – although the program is still available to you.

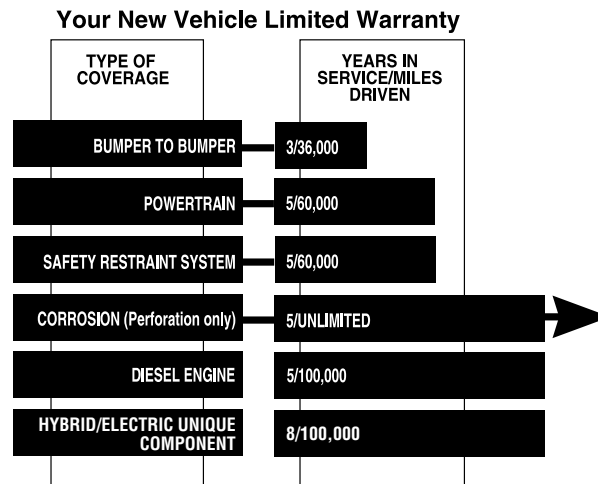
For more information regarding the BBB AUTO LINE program, see page 38 of this booklet.

QUICK REFERENCE: WARRANTY COVERAGE

This chart gives a general summary of your warranty coverage provided by Ford Motor Company under the **New Vehicle Limited Warranty**. Please refer to the description of warranty coverage for more specific information.

For each type of coverage, the chart shows two measures:

- years in service
- miles driven



The measure that occurs first determines how long your coverage lasts. For example: Your Bumper to Bumper Coverage lasts for three years - unless you drive more than 36,000 miles before three years elapse. In that case, your coverage ends at 36,000 miles.

For more details on coverage, see:

- ➔ **What is Covered?** (pages 9-13)
- ➔ **What is Not Covered?** (pages 13-16)

WHAT IS COVERED?

Your NEW VEHICLE LIMITED WARRANTY gives you specific legal rights. You may have other rights that vary from state to state. Under your New Vehicle Limited Warranty if:

- your Ford vehicle is properly operated and maintained, and
- was taken to a Ford dealership for a warranted repair during the warranty period,

then authorized Ford Motor Company dealers will, without charge, repair, replace, or adjust all parts on your vehicle that malfunction or fail during normal use during the applicable coverage period due to a manufacturing defect in factory-supplied materials or factory workmanship.

This warranty does not mean that each Ford vehicle is defect free. Defects may be unintentionally introduced into vehicles during the design and manufacturing processes and such defects could result in the need for repairs. Ford provides the New Vehicle Limited Warranty only to remedy manufacturing defects that result in vehicle part malfunction or failure during the warranty period.

The remedy under this written warranty, and any implied warranty, is limited to repair, replacement, or adjustment of defective parts. This exclusive remedy shall not be deemed to have failed its essential purpose so long as Ford, through its authorized dealers, is willing and able to repair, replace, or adjust defective parts in the prescribed manner. Ford's liability, if any, shall in no event exceed the cost of correcting manufacturing defects as herein provided and upon expiration of this warranty, any such liability shall terminate.

Conditions that are not covered by the New Vehicle Limited Warranty are described on pages 13-16. When making warranty repairs on your vehicle, the dealer will use Ford or Motorcraft parts or remanufactured or other parts that are authorized by Ford, at the discretion of Ford or the Ford dealership.

Nothing in this warranty should be construed as requiring defective parts to be replaced with parts of a different type or design than the original part, so long as the vehicle functions properly with the replacement part. Moreover, Ford and its authorized dealers are entitled to a reasonable time and a reasonable number of attempts within which to diagnose and repair any defect covered by this warranty.

In certain instances, Ford may authorize repairs at other than Ford dealer facilities.

Two separate warranties apply to tires on your new vehicle. The New Vehicle Limited Warranty covers tire defects in factory supplied material or workmanship for 100% of labor costs and on a pro rata adjustment basis for parts. (See the reimbursement schedule below).

For vehicles within the New Vehicle Limited Warranty time in service and mileage coverage period, defective tires will be replaced on a pro rata adjustment basis according to the following mileage-based Reimbursement Schedule:

MILES DRIVEN	PERCENT OF PARTS COVERED BY FORD
1-12,000	100%
12,001-24,000	60%
24,001-36,000	30%

The tire manufacturer also provides you with a separate tire warranty that may extend beyond the New Vehicle Limited Warranty coverage. You will find the manufacturer's tire warranty with the owner literature supplied with your vehicle. You have the option of having a tire warranty repair performed by the tire manufacturer's authorized service center. If you go to a tire service center for a repair covered by the New Vehicle Limited Warranty, you may be charged a prorated amount for wear or other charges. If so, you should present your paid invoice detailing the nature of the charges to any Ford Motor Company dealership for refund consideration. When making warranty repairs on your vehicle, the dealer will use Ford or Motorcraft parts or remanufactured or other parts that are authorized by Ford. In certain instances, Ford may authorize repairs at other than Ford dealer facilities. Tire replacements under warranty will be made with the same brand and model as originally equipped with the vehicle unless the same brand and model is no longer available, in which case a tire of the same brand, size, load, speed and tread type will be used. In some circumstances, Ford may authorize another brand and/or model to substitute for the original brand and model, even if still available.

Normal tire wear or damage is not reimbursable. See page 16 for details of what is not covered.

Extended warranty coverage periods are available for certain vehicle parts and conditions. Specifically,

(1) Your vehicle's Powertrain components are covered for five years or 60,000 miles, whichever occurs first. The extended coverage applies to

the **Engine:** all internal lubricated parts, cylinder block, cylinder heads, electrical fuel pump, powertrain control module, engine mounts, flywheel, injection pump, manifold (exhaust and intake), manifold bolts, oil pan, oil pump, seals and gaskets, engine thermostat, engine thermostat housing, timing chain cover, timing chain (gears or belt), turbocharger/supercharger unit, valve covers, water pump;

Transmission: all internal parts, clutch cover, seals and gaskets, torque converter, transfer case (including all internal parts), transmission case, transmission mounts (front and rear); **Front-Wheel Drive:** axle shafts, support bracket, front bearings, seals and gaskets, universal and constant velocity joints; **Rear-Wheel Drive:** axle shafts, rear bearings, center support bearing, drive axle housing (including all internal parts), drive shaft, retainers, supports, seals and gaskets, universal and constant velocity joints. **Four-Wheel/All-Wheel Drive:** axle shafts, support bracket, bearings (front and rear), center support bearing, drive shafts, final drive housing (including all internal parts), hubs-automatic front locking (four-wheel drive), locking rings (four-wheel drive), seals and gaskets, universal and constant velocity joints.

(2) Your vehicle's safety belts and air bag Supplemental Restraint System (SRS) are covered for an extended Safety Restraint Coverage Period, which lasts for five years or 60,000 miles, whichever occurs first.

(3) Your vehicle's body sheet metal panels are covered for an extended Corrosion Coverage Period, which lasts for five years, regardless of miles driven. The extended warranty coverage only applies if a body sheet metal panel becomes perforated due to corrosion during normal use due to a manufacturing defect in factory-supplied materials or factory workmanship. If aluminum body panels have corrosion or rust damage, and the damage is not the result of abnormal usage, vehicle accident, customer actions and/or extreme environmental conditions, the corrosion or rust damage repairs are covered for 5 years, unlimited miles. For damage caused by airborne material (environmental fallout) where there is no factory-related defect involved and therefore no warranty – our policy is to provide free repair of paint damage due to the airborne material for 12 months or 12,000 miles, whichever occurs first.

(4) Your vehicle's direct injection diesel engine and certain engine components are covered during the Diesel Engine Coverage Period, which lasts for five years or 100,000 miles, whichever occurs first. The following parts are covered during this extended coverage period: the

engine, cylinder block, heads and all internal parts, intake and exhaust manifolds, timing gear, harmonic balancer, valve covers, oil pan and pump, water pump, fuel system (excluding fuel lines, fuel tank and frame mounted fuel conditioning module sometimes referred to as the frame mounted pump/filter/water separator or frame mounted fuel filter/water separator), high pressure lines, gaskets and seals, glow plugs, turbocharger, two-stage turbocharger assembly, turbocharger actuator, powertrain control module, high pressure fuel injection pump assembly, injectors, injection pressure sensor, fuel rail pressure sensor, exhaust back pressure regulator and sensor, exhaust pressure sensor, manifold pressure sensor, intake air temperature sensor, crankshaft position sensor, camshaft position sensor, accelerator switch.

(5) The electrical drivetrain system of your vehicle is covered by the Hybrid & Electric Vehicle Unique Component coverage for eight years or 100,000 miles, whichever comes first. The components in the electrical drivetrain system of your vehicle will vary, depending on whether your vehicle is a hybrid, plug-in hybrid, but you can rest assured knowing that your vehicle's electrical drivetrain system is covered by this comprehensive warranty. Depending on your vehicle, electrical drivetrain system components covered by this warranty may include, and are not limited to: high-voltage battery, high-voltage battery connector, battery energy control module (BECM), on-board charger, inverter system controller (ISC), DC/DC converter, hybrid continuously variable transmission or electric driveline motor and transmission range sensor. If an electrical drivetrain system component requires replacement under warranty, it may be replaced with a new, factory remanufactured, or factory refurbished component, at Ford's discretion. Refurbished battery components selected for your vehicle will align with your vehicle's age and mileage, and meet Ford's stringent requirements and standards. (see "Note: High-Voltage Battery Gradual Capacity Loss" below).

Note: High Voltage Battery Gradual Capacity Loss

The high voltage battery will experience gradual capacity loss with time and use, similar to all batteries, which is considered normal wear and tear. Loss of battery capacity due to or resulting from gradual capacity loss is NOT covered under the New Vehicle Limited Warranty. See your Owner's Manual for important tips on how to maximize the life and capacity of the high voltage battery.

NOTE: Some components may also be covered by the Emissions Warranties. For more information, see pages 19-35.

If you own or lease a 2022-model Next Generation Police Interceptor Vehicle (NGPI), refer to the Warranty Addendum Card that was given to you when you took delivery of your vehicle for further explanation of Amendments to the New Vehicle Limited Warranty. The Warranty Addendum applies only the NGPI vehicles delivered in the State of Florida and New York.

WHAT IS NOT COVERED UNDER THE NEW VEHICLE LIMITED WARRANTY?

Damage Caused By:

- accidents, collision or objects striking the vehicle (including driving through a car wash)
- theft, vandalism, or riot
- fire or explosion
- using contaminated or improper fuel/fluids
- customer-applied chemicals or accidental spills
- driving through water deep enough to cause water to be ingested into any component. i.e. powertrain components
- misuse of the vehicle, such a driving over curbs, overloading, racing or using the vehicle as a permanent stationary power source

(Plug-InVehicles only) - The New Vehicle Limited Warranty does not cover: damage to the 120V convenience cord caused by misuse of the cord. Always use the convenience cord in a manner that conforms to the directions found in the Owner's Manual.

Damage Caused by Alteration or Modification

The New Vehicle Limited Warranty does not cover any damage caused by:

- alterations or modifications of the vehicle, including the body, chassis, electronics or their components, after the vehicle leaves the control of Ford Motor Company
- tampering with the vehicle, tampering with the emissions systems or with the other parts that affect these systems (for example, but not limited to exhaust and intake systems)

- the installation or use of a non-Ford Motor Company part or software (other than a certified emissions part or software) or any part or software (Ford or non-Ford) designed for off-road use only installed after the vehicle leaves the control of Ford Motor Company, if the installed part fails or causes a Ford part to fail. Examples include, but are not limited to lift kits, oversized tires, roll bars, cellular phones, alarm systems, automatic starting systems and performance-enhancing powertrain components or software and performance “chips”.

Your vehicle may allow, enable or facilitate the use of certain non-Ford Motor Company software. Ford is not responsible for the functionality of such software. Ford may disallow, discontinue or modify your ability to use such software at any time without prior notification or incurring any warranty or other obligation. Non-Ford Motor Company software may be governed by End User License Agreement or warranty provided by the software provider. For Ford Motor Company software see End User License Agreement found in the Owner Manual.

Damage Caused by Use and/or the Environment

The New Vehicle Limited Warranty does not cover surface rust, deterioration and damage of paint, trim, upholstery, and other appearance items that result from use and/or exposure to the elements. You, as the owner, are responsible for these items. Some examples are:

- dings, dents
- cuts, burns, punctures or tears
- road salt
- tree sap, bird and bee droppings
- windstorm, lightning, hail
- earthquake
- freezing, water or flood
- stone chips, scratches (some examples are on paint and glass)
- windshield stress cracks. However, limited coverage on windshield stress cracks will be provided for the first 12 months or 12,000 miles (whichever occurs first), even though caused by use and/or exposure to the elements.

Maintenance/Wear

The New Vehicle Limited Warranty does not cover: (1) parts and labor needed to maintain the vehicle; and (2) the replacement of parts due to normal wear and tear. You, as the owner, are responsible for these items. See your Owner's Manual. Some examples of maintenance and normal wear are:

- oil changes
- oils, lubricants, other fluids
- oil/air filters
- tire rotation/inflation
- cleaning/polishing
- clutch linings
- wiper blades*
- wheel alignments and tire balancing*
- brake pad/lining*

* Ford will replace or adjust certain maintenance items when necessary, free of charge during a limited period:

- Wiper blade replacements will be provided during the first six months in service, regardless of miles driven.
- Wheel alignments and tire balancing will be provided during the first 12 months or 12,000 miles in service, whichever occurs first.
- Brake pad/lining replacements will be provided during the first 12 months or 18,000 miles in service, whichever occurs first.

SYNC Hands-Free Communications and Entertainment System

If your vehicle is equipped with SYNC, the New Vehicle Limited Warranty does not cover repairs under certain conditions, such as failure to provide proper installation environment. The New Vehicle Limited Warranty does not cover repairs for certain damage or loss, such as:

- Loss of personal recording media, software or data
- Loss, change, or discontinuation of functionality because of:
 - system updates to Ford Motor Company software or lack of compatibility with non-Ford Motor Company electronic devices
 - non-Ford Motor Company software, or
 - obsolescence of vehicle software or hardware
 - lack of network coverage or availability

- Damage caused by:
 - abnormal use such as insertion of foreign objects, fluid spillage
 - unauthorized modification to alter functionality or capability
 - computer or internet viruses, bugs, or malware, such as worms, Trojan Horses, cancelbots
 - installation of unauthorized software, peripherals and attachments
 - unauthorized, unapproved and/or incompatible repairs, upgrades and modification
 - the defective function or obsolescence of your cellular phone or digital media device (for example, inadequate signal reception by the external antenna, viruses or other software problems)

Tire Wear or Damage

The New Vehicle Limited Warranty does not cover normal wear or worn out tires. Tires will not be replaced (unless required by a warranty repair) for wear or damage including:

- tire damage from road hazard such as cuts, snags, bruises, bulges, puncture, and impact breaks
- tire damage due to under or over inflation, tire chain use, racing, spinning (as when stuck in snow or mud), improper mounting or dismounting, or tire repair

Other Items or Conditions Not Covered

The New Vehicle Limited Warranty does not cover:

- vehicles that have had the odometer disconnected, altered, or inoperative for an extended period of time with the result that the actual mileage cannot be determined
- vehicles that have ever been labeled or branded as dismantled, fire, flood, junk, rebuilt, reconstructed, or salvaged; this will void the New Vehicle Limited Warranty
- vehicles that have been determined to be a total loss by an insurance company; this will void the New Vehicle Limited Warranty
- converted ambulances that are not equipped with the Ford Ambulance Prep Package, see important information about ambulance conversions (page 40)

- aftermarket parts or components, sometimes installed by Ford Motor Company or an authorized Ford dealership, may not be covered by the New Vehicle Limited Warranty. Any damage caused to Ford components due to the failure of aftermarket parts (other than a certified emissions part) is not covered.
- high-voltage battery replacement due to improper vehicle storage. Refer to the Owner's Manual for the proper ways your vehicle's battery must be maintained in the event the vehicle is not driven or is stored for an extended period of time.
- The Lithium-ion battery (EV battery) will experience gradual capacity loss with time and use (similar to all lithium-ion batteries), which is considered normal wear and tear. Loss of battery capacity due to or resulting from gradual capacity loss is NOT covered under the New Vehicle Limited Warranty. See your Owner's Manual for important tips on how to maximize the life and capacity of the Lithium-ion battery.

4. In addition ...

ROADSIDE SERVICE ASSISTANCE (UNITED STATES, PUERTO RICO, AND U.S. VIRGIN ISLANDS)

Your vehicle is covered by the complimentary Ford Roadside Assistance Program (unless you are driving a daily rental unit). Under this program, Ford will cover:

- Towing to the nearest Ford Motor Company dealership, or towing to your selling dealership if within 35 miles of the disablement
- Flat tire change (vehicle must have useable spare)
- Fuel delivery (limited to two occurrences in a 12-month period up to 2 gal. gas, 5 gal. diesel)
- 12V Battery jump starts
- Lock-out assistance (replacement key cost is customer responsibility)
- Winch out services: includes pulling a vehicle within 100 feet of a paved or county maintained road. No recoveries.

The Roadside Assistance Program is separate from the New Vehicle Limited Warranty. It begins at the warranty start date and lasts for five years or 60,000 miles (whichever occurs first). If you need towing beyond the five years or 60,000 miles (whichever occurs first) period, Ford can arrange roadside assistance and charge your credit card. If the reason for the vehicle disablement is later found to be covered by another Ford warranty, Ford will provide a refund for the tow charge under the other warranty, through the dealership.

For emergency roadside assistance, call 1-800-241-3673, 24 hours a day, 365 days a year.

Ford Rent-A-Car (FRAC) and Dealer Daily Rental (DDR) vehicles that must be towed because a covered repair failed during the warranty coverage period, Ford will cover towing to the nearest Ford Motor Company dealership.

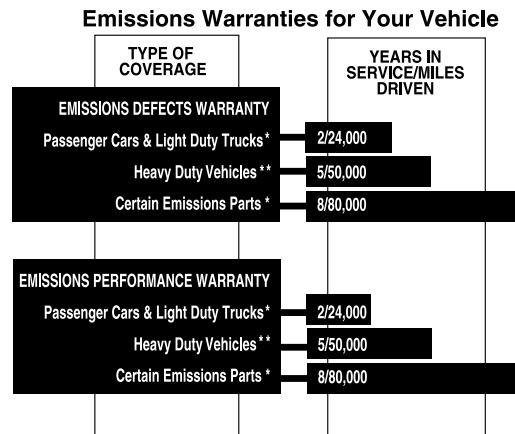
Ford Motor Company reserves the right to modify or discontinue Roadside Assistance at any time. Certain restrictions apply to Roadside Assistance benefits. Call 1-800-241-3673 for further details.

5. Federal requirements for emissions warranties

QUICK REFERENCE: EMISSIONS WARRANTY COVERAGE

This chart shows your warranty coverage under two emissions warranties that Ford Motor Company provides, in compliance with Federal requirements. The warranties are:

- Emissions Defects Warranty
- Emissions Performance Warranty



* Applies to vehicles up to 8,500 pounds gross vehicle weight rating (GVWR)

** Applies to trucks over 8,500 pounds gross vehicle weight rating (GVWR) up to 19,500 pounds gross vehicle weight rating (GVWR). Vocational vehicle tires covered for 2/24,000 for defects that affect compliance with greenhouse gas requirements.

For full details on emissions control coverage, see:

- ➔ **Emissions Defect Warranty** (page 20)
- ➔ **Emissions Performance Warranty** (page 21)
- ➔ **What is Covered?** (pages 22-24)
- ➔ **What is Not Covered?** (page 24)

NOTE: Fully-electric vehicles are not eligible for any emissions warranties described in this booklet.

EMISSIONS DEFECT WARRANTY COVERAGE

During the warranty coverage period, Ford Motor Company warrants that:

- your vehicle or engine is designed, built, and equipped to meet - at the time it is sold - the emissions regulations of the U.S. Environmental Protection Agency (EPA).
- your vehicle or engine is free from emission-related defects in factory-supplied materials or workmanship, which are defects that could prevent the vehicle or engine from conforming with applicable EPA regulations.
- you will not be charged for diagnosis, repair, replacement, or adjustment of parts containing an emissions-related defect. A list of emission-related parts can be found in **What is Covered?** on pages 22-24.

The warranty coverage period for:

- The emissions defects warranty coverage period for passenger cars and light duty trucks (applies to vehicles up to 8,500 pounds GVWR) is as follows:
 - 8 years or 80,000 miles (whichever occurs first) for catalytic converters, electronic emissions control unit, and onboard emissions diagnostic devices, including the Battery Energy Control Module (BECM).
 - 2 years or 24,000 miles (whichever occurs first) for all other covered parts. (Note: Ford's 3-year, 36,000-mile bumper-to-bumper coverage, as described above, surpasses this mandatory federal coverage.)
- Heavy duty vehicles (applies to trucks over 8,500 pounds GVWR up to 19,500 pounds GVWR)
 - The emissions warranty coverage period for heavy duty vehicles (HDVs) is 5 years or 50,000 miles (whichever comes first) for all parts covered by your emissions warranty.
The 5 year or 50,000 mile warranty includes coverage of components whose failure would increase the vehicle's emissions of air conditioning refrigerants.
 - **Only for HDVs designated as "vocational vehicles" on the underhood "VEHICLE EMISSION CONTROL INFORMATION" label:** Tire defects that affect compliance with greenhouse gas requirements are covered for 2 years or 24,000 miles, whichever comes first.

EMISSIONS PERFORMANCE WARRANTY COVERAGE

Under Emissions Performance Warranty Coverage, Ford Motor Company will repair, replace, or adjust - with no charge for labor, diagnosis, or parts - any emissions control device or system, if you meet all of the following conditions:

- You have maintained and operated your vehicle according to the instructions on proper care in the **Owner's Manual** and this booklet.
- Your vehicle fails to conform, during the warranty coverage period, to the applicable national EPA standards, as determined by an EPA approved inspection and maintenance program.
- You are subject to a penalty or sanction under local, state, or federal law because your vehicle has failed to conform to the emissions standards. (A penalty or sanction can include being denied the right to use your vehicle.)
- Your vehicle has not been tampered with, misused, or abused.

The warranty coverage period for:

- Passenger cars and light duty trucks (applies to vehicles up to 8,500 pounds GVWR) is as follows:
 - 8 years or 80,000 miles (whichever occurs first) for catalytic converter, electronic emissions control unit, and onboard emissions diagnostic devices.
 - 2 years or 24,000 miles (whichever occurs first) for all other covered parts .
- Heavy duty vehicles (applies to trucks over 8,500 pounds GVWR up to 19,500 pounds GVWR)
 - 5 years or 50,000 miles (whichever occurs first) for all covered parts.

See **WHAT IS COVERED?** below for list of covered parts.

Note that the warranty period begins on the **Warranty Start Date** as specified on page 2 of this booklet.

WHAT IS COVERED?

For your vehicle if these parts contain an emissions-related defect, they are covered by both the Emissions Defect Warranty and the Emissions Performance Warranty.

- Air Flow Sensor
- Air/Fuel Feedback Control System and Sensors
- Air Induction System
- Battery Energy Control Module (BECM)
- Brake Hydraulic/Electric Control Assembly (Plug-in Hybrid vehicles only)
- Brake Vacuum Pump (Plug-in Hybrid vehicles only)
- Catalytic Converters (including Selective Catalytic Reduction and Diesel Oxidation Catalysts)
- Charger and Bracket Assembly High Voltage Battery (Hybrid and Plug-in Hybrid vehicles only)
- Cold Start Enrichment System (diesel only)
- Controls for Deceleration (diesel only)
- Converter and Bracket Assembly High Voltage to Low Voltage (Hybrid and Plug-in Hybrid vehicles only)
- Diesel Exhaust Fluid System
- Diesel Particulate Filter
- Electronic Ignition System (diesel only)
- Electronic Engine Control Sensors and Switches
- Powertrain Control Module (PCM)/ Engine Control Module (ECM)*
- Evaporative Emission Control System
- Exhaust Gas Recirculation (EGR) System
- Exhaust Manifold
- Exhaust Pipe (Manifold to Catalyst)
- Fuel Filler Door Sensor (Hybrid and Plug-in Hybrid vehicles only)
- Fuel Filler Tube and Seal (non-diesel only)
- Fuel Injection System
- Fuel Injector Supply Manifold
- Fuel Tank (non-diesel only)
- Fuel Tank Pressure Control Valve
- Heating Element of Back Window (3.0L diesel F-150 only)
- High Voltage Battery (Hybrid and Plug-in Hybrid vehicles only)
- HVAC Controller (Plug-in Hybrid vehicles only)
- Ignition Coil and/or Control Module
- Intake Manifold

- Intercooler Assembly - Engine Charger
- Inverter System Controller (Plug-in Hybrid vehicles only)
- Jumper Assembly Charge Inlet to Charger (Hybrid and Plug-in Hybrid vehicles only)
- Jumper Assembly DC/DC Converter to High Voltage Panel (Hybrid and Plug-in Hybrid vehicles only)
- Malfunction Indicator Lamp (MIL)/On-Board Diagnostic (OBD) System
- Module and Bracket Assembly Transmission Inverter Control (Hybrid and Plug-in Hybrid vehicles only)
- Motor Electronics Coolant Pump (Plug-in Hybrid vehicles only)
- PCV system and Oil Filler Cap
- Onboard Charger (Plug-in Hybrid vehicles only)
- Secondary Air Injection System
- Spark Control Components
- Spark Plugs and Ignition Wires
- Thermostat
- Throttle Body Assembly (MFI)
- Transmission Assembly (Plug-in Hybrid vehicles only)
- Transmission Auxiliary Oil Pump (Plug-in Hybrid vehicles only)
- Transmission Fluid Temperature Sensor (Plug-in Hybrid vehicles only)
- Transmission Control Module (TCM) and Solenoids
- Turbocharger Assembly
- Vacuum Distribution System

* Includes hardware and emissions related software changes only

Important Information About List of Parts

Also covered by the two emissions warranties are all emissions-related bulbs, hoses, clamps, brackets, tubes, gaskets, seals, belts, connectors, non-diesel fuel lines, sensors, and wiring harnesses that are used with components on the list of parts, above.

Concerning parts that should be replaced on a certain maintenance schedule: these parts remain under warranty until : (a) the first replacement time that is specified in your **Owner's Manual**; or (b) the time or mileage limits of the Federal Defect and Performance Warranties (whichever occurs first). Your Ford Motor Company dealer maintains a complete list of parts covered by the emissions performance warranty. For questions about emission-related parts, contact your dealer.

WHAT IS NOT COVERED?

Ford Motor Company may deny you emissions warranty coverage if your vehicle or a part does not contain an emissions-related defect or has failed because of abuse, neglect, improper maintenance, unapproved modifications, or any items included in **What Is Not Covered?**, pages 13-16.

If you need more information about getting service under the **Federal Emissions Performance Warranty**, or if you want to report what you believe to be violations of the terms of this warranty, you may contact:

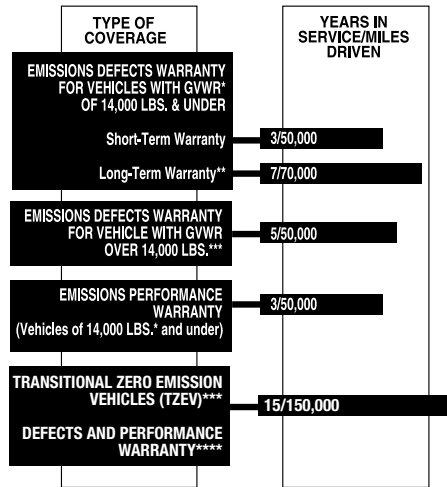
**U.S. Environmental Protection Agency
Office of Transportation and Air Quality
Compliance Division, Light-Duty Vehicle Group
Attn: Warranty Complaints
2000 Traverwood Drive
Ann Arbor, MI 48105
Email: complianceinfo@epa.gov**

6. California requirements for emissions warranties

QUICK REFERENCE: EMISSIONS WARRANTY COVERAGE

This chart shows the emission warranty that Ford Motor Company provides for your vehicle under the emissions control warranty in accordance with the regulations of the California Air Resources Board. This coverage is in addition to Federal Emission warranties (Page 19).

Emissions Warranties for California Certified Vehicles



* Gross Vehicle Weight Rating

** These specific parts were selected on the basis of their estimated replacement cost at the time the California Air Resources Board certified your vehicle for sale in California (up to 14,000 pounds GVWR).

*** Refer to your Vehicle Emission Control Information label for emissions certification information.

**** Except for the high voltage battery, which is covered for 10 years or 150,000 miles (whichever occurs first).

NOTE: Fully-electric vehicles are not eligible for any emissions warranties described in this booklet.

Vehicles Eligible for California Emission Warranty Coverage

California emission warranty coverage applies if your vehicle meets the following two requirements:

- Your vehicle is registered in a state¹ that has adopted and is enforcing California emission warranty regulations applicable for your vehicle at the time of repair, and
- Your vehicle is certified for sale in California as indicated on the vehicle emission control information label.

¹ Subject to change, the following states have adopted and are enforcing California emission warranty regulations:

- **Passenger Car & Light-duty Trucks** (up to 8,500 pounds GVWR) - California, Colorado, Connecticut, Delaware, Maine, Maryland, Massachusetts, New Jersey, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington
- **Medium-Duty Passenger Vehicles** (up to 10,000 pounds GVWR designed primarily for the transportation of persons. Excludes incomplete trucks, trucks with a seating capacity either over twelve persons total or over nine persons rearward of the driver's seat, or trucks with an open cargo area of at least six feet of interior length): California, Colorado, Connecticut, Delaware, Maine, Maryland, Massachusetts, New York, Oregon, Rhode Island, Vermont and Washington
- **Medium-Duty Vehicles** (over 8,500 pounds GVWR up to 14,000 pounds GVWR) - California, Colorado, Connecticut, Delaware, Maine, Maryland, Massachusetts, New York, Oregon, Rhode Island, and Vermont.
- **Light Heavy-Duty Diesel Engine Vehicles** (over 14,000 pounds GVWR up to 19,500 pounds GVWR) - California, Maine and Pennsylvania.

Vehicles Eligible for California Transitional Zero Emission Vehicle (TZEV) Emission Warranty Coverage

California Transitional Zero Emissions Vehicle (TZEV) extended emission warranty coverage applies if your vehicle meets the following two requirements:

- Your vehicle is registered in a state** that has adopted and is enforcing California TZEV emissions warranty regulations applicable to your vehicle at the time of repair, and
- Your vehicle is certified as a TZEV in California as indicated on the vehicle emission control information label.

**Subject to change, the following states have adopted and are enforcing California TZEV emission warranty regulations:

California, Colorado, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New York, Rhode Island, Oregon and Vermont (NOTE: Delaware, Pennsylvania and Washington did not adopt the California TZEV emission warranty; standard California emission warranty coverage applies to all emission components.)

For full details about coverage under California requirements for emissions control, see:

- ➔ **Defects Warranties** (pages 28-34)
- ➔ **Performance Warranty** (pages 28-30)
- ➔ **What Is Covered?** (pages 31-33)
- ➔ **What Is Not Covered?** (page 33)

EXPLANATION OF CALIFORNIA EMISSIONS WARRANTIES

Your Warranty Rights and Obligations

The California Air Resources Board and Ford Motor Company are pleased to explain the emission control system warranty on your 2022-model vehicle. In California, new motor vehicles must be designed, built, and equipped to meet the State's stringent anti-smog standards. Ford must warrant the emission control system on your vehicle for the periods of time listed on pages 28-30, provided there has been no abuse, neglect, or improper maintenance of your vehicle.

Your emission control system may include parts such as the fuel injection system, the ignition system, catalytic converter, and the engine computer. Also included may be hoses, belts, connectors, and other emissions-related assemblies.

Where a warrantable condition exists, Ford Motor Company will repair your vehicle at no cost to you including diagnosis, parts, and labor.

Manufacturer's Warranty Coverage

For Vehicles Eligible for California Emission Warranty Coverage

If Gross Vehicle Weight Rating is 14,000 lbs. or less:

For 3 years or 50,000 miles (whichever occurs first):

1. If your vehicle fails a Smog Check inspection, all necessary repairs and adjustments will be made by Ford to ensure that your vehicle passes the inspection. This is your emission control system PERFORMANCE WARRANTY.

2. If any emissions-related part on your vehicle is defective, the part will be repaired or replaced by Ford. This is your short-term emission control system DEFECTS WARRANTY.

For 7 years or 70,000 miles (whichever occurs first):

If a high-priced emissions-related part is defective or if its failure causes your vehicle to fail a Smog Check inspection, the part will be repaired or replaced by Ford. This is your long-term emission control system DEFECTS WARRANTY.

For a list of the high-priced emission-related parts that are covered for 7 years or 70,000 miles, go to www.owner.ford.com / Owner Manuals. Select the list that corresponds to the model and the model year of your vehicle. NOTE: This list is vehicle specific and may not be the same for all vehicles. It is based on the replacement cost of each specific part, which can vary between vehicle lines.

If Gross Vehicle Weight Rating is 8,501 lbs. through 14,000 lbs.:

- For 5 years or 50,000 miles (gasoline powered engines and vehicles) or 5 years or 100,000 miles (diesel powered engines and vehicles) (whichever occurs first) for components whose failure would increase the vehicle's emissions of air conditioning refrigerants.
- **Only for HDVs designated as "vocational vehicles" on the underhood "VEHICLE EMISSION CONTROL INFORMATION" label:** Tire defects that affect compliance with greenhouse gas requirements are covered for 2 years or 24,000 miles, whichever comes first.

If Gross Vehicle Weight Rating is over 14,000 lbs.:

For 5 years or 50,000 miles (gasoline powered engines and vehicles) or 5 years or 100,000 miles (diesel powered engines and vehicles) (whichever occurs first). The warranty includes coverage of components whose failure would increase the vehicle's emissions of air conditioning refrigerants. **Only for HDVs designated as "vocational vehicles" on the underhood "VEHICLE EMISSION CONTROL INFORMATION" label:** Tire defects that affect compliance with greenhouse gas requirements are covered for 2 years or 24,000 miles, whichever comes first.

For Vehicles Eligible for California TZEV Emission Warranty Coverage

Except as noted below, for 15 years or 150,000 miles (whichever first occurs):

1. If your vehicle fails a Smog Check inspection, all necessary repairs and adjustments will be made by Ford to ensure that your vehicle passes the inspection. This is your emission control system PERFORMANCE WARRANTY.

2. If any emissions-related part on your vehicle is defective, the part will be repaired or replaced by Ford. This is your short-term emission control system DEFECTS WARRANTY.

NOTE: The TZEV warranty period for the high-voltage battery is 10 years or 150,000 miles (whichever first occurs).

Owner's Warranty Responsibilities

As the vehicle owner, you are responsible for the performance of the required maintenance listed in your owner's manual. Ford Motor Company recommends that you retain all receipts covering maintenance on your vehicle, but Ford cannot deny warranty coverage solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

You are responsible for presenting your vehicle to a Ford Motor Company dealer as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

As the vehicle owner, you should also be aware that Ford Motor Company may deny you warranty coverage if your vehicle or a part has failed due to abuse, neglect, improper maintenance, or unapproved modifications.

If you have any questions regarding your warranty rights and responsibilities, or if you want to report what you believe to be violations of the terms of this warranty, you may contact the Ford Customer Relationship Center at 1-800-392-3673 (FORD) or the California Air Resources Board at:

**California Air Resources Board
9528 Telstar Avenue
El Monte, California 91731**

WHAT IS COVERED?

If the parts on the following list contains a defect that affects emissions, they are covered by the Defects Warranties.

- Air Flow Sensor
- Air/Fuel Feedback Control System and Sensors
- Air Induction System
- Battery Energy Control Module (BECM)
- Brake Hydraulic/Electric Control Assembly (Plug-in Hybrid vehicles only)
- Brake Vacuum Pump (Plug-in Hybrid vehicles only)
- Catalytic Converters (including Selective Catalytic Reduction and Diesel Oxidation Catalysts)
- Charger and Bracket Assembly High Voltage Battery (Hybrid and Plug-in Hybrid vehicles only)
- Cold Start Enrichment System (diesel only)
- Controls for Deceleration (diesel only)
- Converter and Bracket Assembly High Voltage to Low Voltage (Hybrid and Plug-in Hybrid vehicles only)
- Diesel Exhaust Fluid System
- Diesel Particulate Filter
- Electronic Ignition System (diesel only)
- Electronic Engine Control Sensors and Switches
- Powertrain Control Module (PCM)/Engine Control Module (ECM)*
- Evaporative Emission Control System
- Exhaust Gas Recirculation (EGR) System
- Exhaust Manifold
- Exhaust Pipe (Manifold to Catalyst)
- Fuel Filler Door Sensor (Hybrid and Plug-in Hybrid vehicles only)
- Fuel Filler Tube and Seal (non-diesel only)
- Fuel Injection System
- Fuel Injector Supply Manifold
- Fuel Tank (non-diesel only)
- Fuel Tank Pressure Control Valve
- Heating Element of Back Window (3.0L diesel F-150 only)
- High Voltage Battery (Hybrid and Plug-in Hybrid vehicles only)
- HVAC Controller (Plug-in Hybrid vehicles only)
- Ignition Coil and/or Control Module
- Intake Manifold
- Intercooler Assembly - Engine Charger

- Inverter System Controller (Plug-in Hybrid vehicles only)
 - Jumper Assembly Charge Inlet to Charger (Hybrid and Plug-in Hybrid vehicles only)
 - Jumper Assembly DC/DC Converter to High Voltage Panel (Hybrid and Plug-in Hybrid vehicles only)
 - Malfunction Indicator Lamp (MIL)/On-Board Diagnostic (OBD) System
 - Module and Bracket Assembly Transmission Inverter Control (Hybrid and Plug-in Hybrid vehicles only)
 - Motor Electronics Coolant Pump (Plug-in Hybrid vehicles only)
 - PCV System and Oil Filler Cap
 - Onboard Charger (Plug-in Hybrid vehicles only)
 - Secondary Air Injection System
 - Spark Control Components
 - Spark Plugs and Ignition Wires
 - Thermostat
 - Throttle Body Assembly (MFI)
 - Transmission Assembly (Plug-in Hybrid vehicles only)
 - Transmission Auxiliary Oil Pump (Plug-in Hybrid vehicles only)
 - Transmission Fluid Temperature Sensor (Plug-in Hybrid vehicles only)
 - Transmission Control Module (TCM) and Solenoids
 - Turbocharger Assembly
 - Vacuum Distribution System
- * Includes hardware and emissions related software changes only

Important Information about List of Parts

There may be additional coverage for these parts through the Bumper to Bumper, Powertrain, or Diesel Engine limited warranties. In any case, the warranty with the broadest coverage applies.

Also covered by this warranty are all emissions-related bulbs, hoses, clamps, brackets, tubes, gaskets, seals, belts, connectors, non diesel fuel lines, and wiring harnesses that are used with components on the list of parts above.

Concerning parts that should be replaced on a certain maintenance schedule: these parts remain under warranty until the first required replacement time that is specified in your **Owner's Manual**.

NOTE: If the diagnosis does not reveal a defect, the Defects Warranty does not apply.

Your Ford Motor Company dealer maintains a complete list of covered parts. For more details about the specific parts that are covered by the Defects Warranty, contact your dealer.

WHAT IS NOT COVERED?

Ford Motor Company may deny you emissions warranty coverage if your vehicle or a part does not contain a defect that affects emissions or has failed because of abuse, neglect, improper maintenance, unapproved modifications, or any items included in **What Is Not Covered?**, pages 13-16.

7. Additional information about your emissions warranty coverage, under Federal and California requirements

HOW DO I GET WARRANTY SERVICE?

To get service under your emissions warranties, take your vehicle to any Ford Motor Company dealer as soon as possible after illumination of the Malfunction Indicator Light or it has failed an EPA-approved test or a California Smog Check inspection. Be sure to show the dealer the document that says your vehicle has failed the test.

Your dealer will determine whether the repair is covered by the warranty. If the dealer has a question about Emissions Performance Warranty coverage, it will forward the question to Ford Motor Company, which must make a final decision within 30 days after you bring your vehicle in for repair. (The decision will be made within a shorter time if state, local, or federal law requires you to have the vehicle repaired more quickly in order to avoid additional penalties.) The deadline for a determination about Emissions Performance Warranty Coverage does not need to be met if you request a delay, agree to a delay in writing, or if the delay is caused by an event for which neither Ford nor your dealer is responsible. If a question about Emissions Performance Warranty coverage is referred to Ford Motor Company, you will be notified by Ford Motor Company in writing if your claim for warranty coverage is denied. The notice will explain the basis for denying your claim. If you fail to receive this notice within a timely manner, as determined above, Ford will perform the warranty repair for you free of charge.

HOW DO I HANDLE EMERGENCY REPAIRS?

If your vehicle needs an emergency warrantable repair and a Ford Motor Company dealer is not available, or if a Ford Motor Company dealer cannot perform warrantable repair(s) within 30 days of you bringing your vehicle to the dealer, repairs may be performed at any service establishment or by you using Ford equivalent replacement parts.

Ford will reimburse you for the cost of these warranty repairs including diagnosis, if you take the part(s) that are replaced and the repair receipt(s) to a Ford Motor Company dealer. The reimbursement shall not exceed Ford's suggested retail price for the warranted parts that are replaced and labor charges based on Ford's recommended time allowance for the warranty repair and the geographically appropriate hourly rate.

WHAT REPLACEMENT PARTS SHOULD I USE?

Ford Motor Company recommends that you use genuine Ford replacement parts. However, when you are having non-warranty work done on your vehicle, you may choose to use non-Ford parts. If you decide to use non-Ford parts, be sure they are equivalent to Ford parts in performance, quality, and durability. If you use replacement parts that are not equivalent to Ford parts, your vehicle's emissions control systems may not work as effectively, and you may jeopardize your emissions warranty coverage.

Under the Federal and California emissions warranties, Ford will repair or replace covered parts if they are properly installed Ford parts or the equivalent, or non-Ford parts that have been certified by the U.S. EPA or the California Air Resources Board (CARB). Ford is not responsible for the cost or repairing or replacing non-Ford parts that are not equivalent to Ford parts or that have not been certified by EPA or CARB.

The maintenance, replacement, or repair of emissions control devices or systems can be performed by any automotive repair establishment or individual using Ford replacement parts or the equivalent, or EPA- or CARB-certified parts, without voiding your emissions warranty coverage for future repairs during the applicable warranty period.

PROPER MAINTENANCE PRESERVES YOUR WARRANTY

If you do not maintain your vehicle properly, Ford may have the right to deny you warranty coverage.

To have repairs made under this warranty, you may have to show that you have followed Ford's instructions on properly maintaining and using your vehicle. You will find these instructions in your **Owner's Manual**. Be sure to save your service receipts and to keep accurate records of all maintenance work.

CUSTOMER ASSISTANCE

If you are not satisfied with the handling of a warranty matter, see **Customer Assistance**, on the inside front cover, and **Better Business Bureau (BBB) AUTO LINE program**, page 38.

8. Noise emissions warranty

NOISE EMISSIONS WARRANTY FOR CERTAIN LIGHT TRUCKS

Ford Motor Company warrants to the first person who purchases this vehicle for purposes other than resale and to each subsequent purchaser that this vehicle as manufactured by Ford, was designed, built and equipped to conform at the time it left Ford's control with all applicable U.S. EPA Noise Control Regulations.

This warranty covers this vehicle as designed, built and equipped by Ford Motor Company, and is not limited to any particular part, component or system of the vehicle as manufactured by Ford. Defects in design, assembly or in any part, component or system of the vehicle as manufactured by Ford, which, at the time it left Ford's control, caused noise emissions to exceed Federal standards, are covered by this warranty for the life of the vehicle.

THE NOISE EMISSIONS WARRANTY OBLIGATIONS DO NOT APPLY TO:

- loss of time, inconvenience, loss of use of the vehicle, commercial loss or, other consequential damages.
- any vehicle which is not covered by the U.S. EPA Medium and Heavy Trucks Noise Emission Standards (40 C.F.R. Part 205, Subpart B). Among the non-covered vehicles are those lacking a partially or fully enclosed operator's compartment, such as a basic stripped chassis, those having a Gross Vehicle Weight Rating of 10,000 pounds or less, and those sold outside the United States and its territories. To the extent permitted by law, THIS WARRANTY IS EXPRESSLY INSTEAD of any express or implied warranty, condition, or guarantee, agreement, or representation, by any person with respect to conformity of this vehicle with the U.S. EPA Noise Control Regulations, including ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS.

9. Ford Protect Extended Service Plan

MORE PROTECTION FOR YOUR VEHICLE

You can get more protection for your new car or light truck by purchasing a Ford Protect. Ford Protect service contracts are backed by Ford Motor Company or Ford Motor Service Company. Ford Protect plans provide up to 8 years and 150,000 miles of coverage.

They provide:

- benefits during the warranty period, depending on the plan you purchase can be: reimbursement for a rental vehicle, protecting against tire and wheel road hazard damage, coverage for certain maintenance and wear items, lost key replacement, other plans are available;
- protection against covered repair costs and continuing Roadside Service Assistance benefits after your Bumper to Bumper Warranty expires.

You may purchase Ford Protect from any Ford Motor Company dealer or see our website at fordprotect.ford.com. There are several Ford Protect plans available in various time, distance and deductible combinations. Each plan is tailored to fit your own driving and vehicle ownership needs, including reimbursement for towing and rental.

When you purchase Ford Protect, you receive peace-of-mind protection throughout the United States, Canada and Mexico, provided by a network of more than 3,200 Ford Motor Company dealers.

NOTE: Repairs performed outside the United States, Canada, Mexico, Guam or Puerto Rico, Virgin Islands, American Samoa and District of Columbia are not eligible for Ford Protect coverage.

This information is subject to change. Ask your dealer for complete details about Ford Protect coverage.

10. The Better Business Bureau (BBB) AUTO LINE Program (U.S. Only)

Your satisfaction is important to Ford Motor Company and to your dealer. If a warranty concern has not been resolved using the three-step procedure outlined on the first page of the Customer Assistance section, you may be eligible to participate in the BBB AUTO LINE program.

The BBB AUTO LINE program consists of two parts — mediation and arbitration. During mediation, a representative of the BBB will contact both you and Ford Motor Company to explore options for settlement of the claim. If an agreement is not reached during mediation and your claim is eligible, you may participate in the arbitration process. An arbitration hearing will be scheduled so that you can present your case in an informal setting before an impartial person. The arbitrator will consider the testimony provided and make a decision after the hearing.

You are not bound by the decision, but should you choose to accept the BBB AUTO LINE decision, Ford must abide by the accepted decision as well. Disputes submitted to the BBB AUTO LINE program are usually decided within forty days after you file your claim with the BBB.

BBB AUTO LINE Application: Using the information provided below, please call or write to request a program application. You will be asked for your name and address, general information about your new vehicle, information about your warranty concerns, and any steps you have already taken to try to resolve them. A Customer Claim Form will be mailed that will need to be completed, signed, and returned to the BBB along with proof of ownership. Upon request, the BBB will review the claim for eligibility under the Program Summary Guidelines.

You can get more information by calling BBB AUTO LINE at 1-800-955-5100, or writing to:

**BBB AUTO LINE
3033 Wilson Boulevard, Suite 600
Arlington, Virginia 22201**

BBB AUTO LINE applications can also be requested by calling the Ford Motor Company Customer Relationship Center at 1-800-392-3673.

Note: Ford Motor Company reserves the right to change eligibility limitations, modify procedures, or to discontinue this process at any time without notice and without obligation.

11. State warranty enforcement laws

These state laws - sometimes called "lemon laws" - allow owners to receive a replacement vehicle or a refund of the purchase price, under certain circumstances. The laws vary from state to state.

To the extent your state law allows, Ford Motor Company requires that you first send us a written notification of any defects or non-conformities that you have experienced with your vehicle. (This will give us the opportunity to make any needed repairs before you pursue the remedies provided by your state's law.)

In all other states where not specifically required by state law, Ford Motor Company requests that you give us the written notice. Send your written notification to:

**Ford Motor Company
Customer Relationship Center
P.O. Box 6248
Dearborn, MI 48126**

12. Important information about ambulance conversions

Ford vehicles are suitable for producing ambulances only if equipped with the **Ford Ambulance Prep Package**. In addition, Ford urges ambulance manufacturers to follow the recommendations of the **Ford Incomplete Vehicle Manual** and the **Ford Truck Body Builders Layout Book** (and pertinent supplements).

Using a Ford vehicle without the Ford Ambulance Prep Package to produce an ambulance could result in elevated underbody temperatures, fuel overpressurization, and the risk of fuel expulsion and fires. Such use also voids the Ford Bumper to Bumper Warranty and may void the Emissions Warranties.

You may determine whether the vehicle is equipped with the **Ford Ambulance Prep Package** by inspecting the information plate on the driver's rear door pillar.

You may determine whether the ambulance manufacturer has followed Ford's recommendations by contacting the ambulance manufacturer of your vehicle.

Maintenance and Lubrication

Proper maintenance is necessary to ensure safe, trouble free operation. Inspecting the lift for any wear, damage or other abnormal conditions should be a part of the transit agency daily service program. Simple inspections can detect potential problems.

The maintenance and lubrication procedures specified in the following schedule must be performed by a Braun authorized service representative at the scheduled intervals according to the number of cycles.

NCL-2 Series lifts are equipped with hardened pins and self-lubricating bushings to decrease wear, provide smooth operation and extend the service life of the lift.

When servicing the lift at the recommended intervals, inspection and lubrication procedures specified in the previous sections should be repeated. Clean components and the surrounding area before applying lubricants. LPS2 General Purpose Penetrating Oil is recommended where

Light Oil is called out. Use of improper lubricants can attract dirt or other contaminants which could result in wear or damage to the components. Platform components exposed to contaminants when lowered to the ground may require extra attention.

▲WARNING

Maintenance and lubrication procedures must be performed as specified by an authorized service technician. Failure to do so may result in serious bodily injury and/or property damage.

Lift components requiring grease are lubricated during assembly procedures. When these components are replaced, grease must be applied during installation procedures. Specified lubricants are available from The Braun Corporation (part numbers provided on page 40).

Maintenance and Lubrication

All listed inspection, lubrication and maintenance procedures should be repeated at 750 cycle intervals following the scheduled 4500 cycle maintenance procedures. These intervals are a general guideline for scheduling maintenance procedures and will vary according to lift use and conditions. Lifts exposed to severe conditions (weather, environment, contamination, heavy usage, etc.) may require inspection and maintenance procedures to be performed more often than specified.

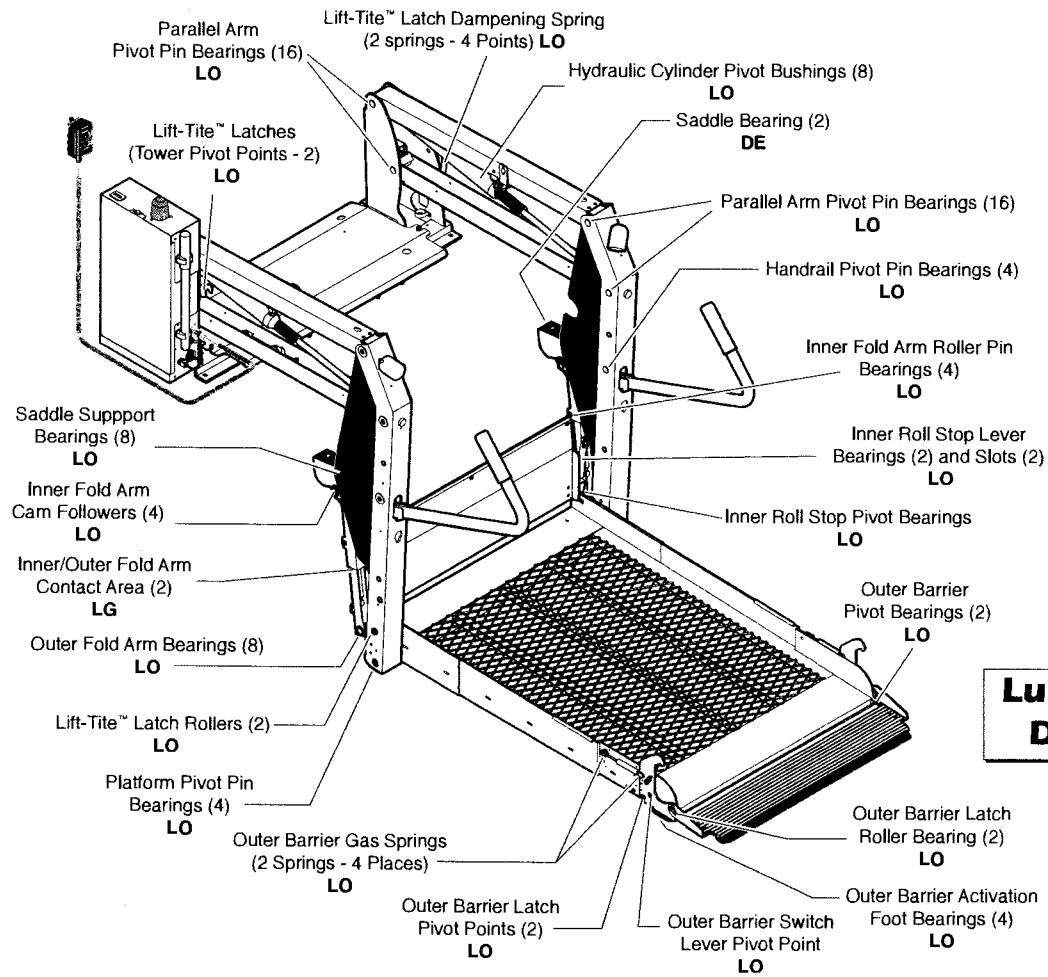
Cycle Counter: NCL-2 Series lift models are equipped with a cycle counter located on the top

of the pump module. This cycle counter allows the lift attendant/operator to easily track the number of cycles during daily inspections of the lift.

Discontinue lift use immediately if maintenance and lubrication procedures are not properly performed, or if there is any sign of wear, damage or improper operation. Contact your sales representative or call The Braun Corporation at 1-800-THE LIFT®. One of our national Product Support representatives will direct you to an authorized service technician who will inspect your lift.

See the Maintenance/Lubrication Schedule for recommended applications per number of cycles.

Lubricant	Type	Specified (recommended) Lubricant	Available Amount	Braun Part No.
LO - Light Oil	Light Penetrating Oil (30 weight or equivalent)	LPS2, General Purpose Penetrating Oil	16 oz. Aerosol Can	15807
DE - Door-Ease	Stainless Stick Style (tube)	Door-Ease Stick (tube)	1.68 oz.	15806
LG - Light Grease	Light Grease (Multipurpose)	Lubriplate	14 oz. Can	15805



Lubrication Diagram

Maintenance and Lubrication Schedule

750 Cycles	Outer barrier pivot points (2)	Apply Light Oil - See Lubrication Diagram
	Outer barrier latch pivot points (2)	Apply Light Oil - See Lubrication Diagram
	Outer barrier switch lever pivot point	Apply Light Oil - See Lubrication Diagram
	Outer barrier latch roller bearing (2)	Apply Light Oil - See Lubrication Diagram
	Outer barrier gas springs (2 springs - 4 points)	Apply Light Oil - See Lubrication Diagram
	Lift-Tite™ latches (tower pivot points - 2)	Apply Light Oil - See Lubrication Diagram
	Lift-Tite™ latch gas (dampening) spring pivot points (2 springs - 4 points)	Apply Light Oil - See Lubrication Diagram
	Inspect Lift-Tite™ latches and gas (dampening) springs for wear or damage (bent, deformed or misaligned), positive securement (external snap rings) and proper operation	Resecure, replace damaged parts or otherwise correct as needed. Note: Apply Light Grease to Lift-Tite™ latch tower pivot point if replacing latch.
	Inspect outer barrier for proper operation	Correct or replace damaged parts.
	Inspect outer barrier latch for proper operation, positive securement, and detached or missing spring(s)	Correct or replace damaged parts and/or relubricate. See Lubrication Diagram
continued	Adjust fold pressure and outer barrier fold pressure (if applicable)	See applicable service manual

Maintenance and Lubrication Schedule

continued	Verify NHTSA Operations Checklist	See NHTSA Operations Checklist.
750 Cycles	Inspect lift for wear, damage or any abnormal condition	Correct as needed.
	Inspect lift for rattles	Correct as needed

1500 Cycles	Perform all procedures listed in previous section also	
	Inner/outer fold arms (2)	Apply grease (synthetic) to contact areas between inner/outer fold arms. See Lubrication Diagram.
	Platform pivot pin bearings (4)	Apply Light Oil - See Lubrication Diagram
	Outer fold arm bearings (8)	Apply Light Oil - See Lubrication Diagram
	Inner roll stop pivot bearings (2)	Apply Light Oil - See Lubrication Diagram
	Inner roll stop lever bearings (2)	Apply Light Oil - See Lubrication Diagram
	Inner roll stop lever slot (2)	Apply Light Oil - See Lubrication Diagram
	Saddle support bearings (8)	Apply Light Oil - See Lubrication Diagram
continued	Inner fold arm roller pin bearings (4)	Apply Light Oil - See Lubrication Diagram

Maintenance and Lubrication Schedule

continued	Inner fold arm cam followers (4)	Apply Light Oil - See Lubrication Diagram
	Parallel arm pivot pin bearings (16)	Apply Light Oil - See Lubrication Diagram
	Handrail pivot pin bearings (4)	Apply Light Oil - See Lubrication Diagram
	Hydraulic cylinder pivot bushings (8)	Apply Light Oil - See Lubrication Diagram
	Inspect Lift-Tite™ latch rollers for wear or damage, positive securement and proper operation (2)	Correct, replace damaged parts and/or relubricate.
1500 Cycles	Inspect inner roll stop for: <ul style="list-style-type: none"> • Wear or damage • Proper operation. Roll stop should just rest on top surface of the threshold plate. • Positive securement (both ends) 	Resecure, replace or correct as needed. See Platform Angle Instructions and Tower Microswitch Adjustment Instructions.
	Inspect handrail components for wear or damage, and for proper operation	Replace damaged parts.
	Inspect microswitches for securement and proper adjustment.	Resecure, replace or adjust as needed. See Microswitch Adjustment Instructions.
continued	Make sure lift operates smoothly	Realign towers and vertical arms. Lubricate or correct as needed.

Maintenance and Lubrication Schedule

<p>continued</p> <p>1500 Cycles</p>	<p>Inspect inner roll stop locks (2) and torsion springs (2) for wear or damage and for proper operation</p> <p>Inspect external snap rings:</p> <ul style="list-style-type: none">• Outer fold arm (6)• Lift-Tite™ latch rollers (2)• Lift-Tite™ latch gas (dampening) spring (4)• Outer barrier latch gas springs (2)• Outer barrier latch pivots (2)• Outer barrier switch lever pivot (1)• Outer barrier latch rollers (2)• Inner fold arm cam followers (4)• Inner fold arm roller pins (4)• Inner roll stop lever bracket pins (2) <p>Inspect outer fold arm pins (2), axles (2) and bearings (8) for wear or damage and positive securement</p> <p>Remove pump module cover and inspect:</p> <ul style="list-style-type: none">• Hydraulic hoses, fittings and connections for wear or leaks• Harness cables, wires, terminals and connections for securement or damage• Relays, fuses, power switch and lights for securement or damage	<p>Replace damaged parts. Apply Light Oil to inner roll stop lock pivot point.</p> <p>Resecure or replace if needed.</p> <p>Replace damaged parts and resecure as needed. Apply Light Oil.</p> <p>Apply Light Oil. Resecure, replace or correct as needed.</p>
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Maintenance and Lubrication Schedule

4500 Cycles	Perform all procedures listed in previous section also	
	Inspect cotter pins on platform pivot pin (2)	Resecure, replace or correct as needed
	Hydraulic Fluid (Pump) - Check level. Note: Fluid should be changed if there is visible contamination. Inspect the hydraulic system (cylinder, hoses, fittings, seals, etc.) for leaks if fluid level is low.	Use Braun 32840-QT hydraulic fluid (Exxon® Unisvis HVI 26). Do not mix with Dextron III or other hydraulic fluids. Check fluid level with platform lowered fully. Fill to maximum fluid level indicated on reservoir (specified on decal). Do not overfill. If fluid level decal is not present - measure 1-3/8" from the fill port to locate fluid level.
	Inspect cylinders, fittings and hydraulic connections for wear, damage or leaks	Tighten, repair or replace if needed.
	Inspect parallel arms, bearings and pivot pins for visible wear or damage	Replace if needed.
	Inspect parallel arm pivot pin mounting bolts (8)	Tighten or replace if needed.
	Inspect platform pivot pins, bearings and vertical arms for wear, damage and positive securement	Replace damaged parts and resecure as needed. Apply synthetic grease during reassembly procedures.
Inspect inner/outer fold arms, saddle, saddle support and associated pivot pins and bearings for visible wear or damage	Replace if needed.	
continued		



Trans/Air Manufacturing Corporation Limited Warranty

*Note: Conditions of purchased extended warranties are as set forth below,
subject to the term of the extension purchased.*

Subject to the conditions and limitations set forth below, for a period of two (2) years (with unlimited mileage) starting at the date of delivery to the End User and with proper registration documentation, Trans/Air Manufacturing Corporation (Trans/Air) warrants to the original owner, if still the user, that each manufactured system/component will be free from defects in factory workmanship and materials when used and maintained in accordance with the recommended procedures. Trans/Air will furnish new or remanufactured replacement parts and cover the cost of repair labor for two years following delivery in accordance with the current Trans/Air flat rate labor schedule when performed at an authorized Trans/Air Service Center. This is the End User's sole and exclusive remedy.

THIS IS TRANS/AIR'S SOLE WARRANTY AND IT IS FURNISHED IN LIEU OF ANY AND ALL OTHER WARRANTIES. TRANS/AIR MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES WHATSOEVER. NO WARRANTY OF MERCHANTABILITY AND NO WARRANTY OF FITNESS FOR PARTICULAR PURPOSE IS MADE BY TRANS/AIR.

Conditions and Limitations

- 1) In order for a two (2) year system warranty to apply, the customer must purchase the evaporator(s), condenser(s), compressor(s), piping kits, electrical kits, mount kits and refrigeration hose from Trans/Air. If the full system is not purchased from Trans/Air, the two (2) year warranty applies to Trans/Air supplied evaporators and condensers only. All piping kits, and electrical kits purchased outside of a full system, will be considered a service part and will carry a 180 day warranty. Compressors also carry a 1 year warranty. All mount kits purchased outside of a full system, and used on a Trans/Air system, will be considered a service part and will carry a 180 day warranty. All mount kits purchased outside of a full system, and used on a system other than Trans/Air, will carry no warranty. All other components supplied by Trans/Air are covered by standard parts warranty (see Service Part Warranty). Extended warranty coverage may be purchased from Trans/Air at the time of purchase of the unit or system. Correction of a failure under this warranty does not extend the warranty beyond the standard two (2) year warranty period.
- 2) Trans/Air will be responsible for the costs of repairs or replacement covered by warranty only if performed at an authorized Trans/Air Service Center. The Service Center is responsible for effecting repairs or replacement during the warranty period in accordance with current Trans/Air warranty procedures. A customer requesting service at a location other than an approved Service Center, or one requesting overtime, shall be responsible for all additional warranty repair expenses in excess of the flat rate allowed. Trans/Air is not responsible for towing charges.
- 3) If the customer has not properly registered the Trans/Air system, the Service Center is not authorized to render warranty services without charge. All information on the warranty registration form, or on-line must be completed in its entirety and returned to Trans/Air to activate the warranty.
- 4) Trans/Air does not warrant the installation of Trans/Air products unless installed by Trans/Air or an authorized Trans/Air Turnkey installation facility. In the cases of installation related failures, which are not covered by warranty, Trans/Air specifically is not responsible for failures attributable to inadequate provision by the installer of structural support or inadequate provision of electrical requirements.
- 5) This warranty does not apply in cases of a failure of Trans/Air product which is attributable to improper evacuation procedures, or the introduction of non-approved refrigerant oil, additives, or other contaminants into the system.



Trans/Air Manufacturing Corporation Limited Warranty

- 6) This warranty does not apply in cases of failure of Trans/Air product, which is attributable to failure of the end user to perform or provide preventative maintenance in accordance with Trans/Air's guidelines. Examples include, but are not limited to, failure to properly maintain belt tension, clean condenser coils, replace evaporator filters, maintain electrical systems to provide proper voltage to components, or check and tighten hardware or fittings, which may have loosened due to vibration. (See Trans/Air Preventive Maintenance Schedule) The Trans/Air Limited Warranty specifically excludes defects resulting from misuse, abuse, neglect, alteration, modification, off road use, theft, vehicle crash or any other type of impact.
- 7) This warranty does not apply to loss of refrigerant or any damage caused by loss of refrigerant unless directly attributable to the failure of a Trans/Air product which, at the time of the failure, was under warranty.
- 8) Trans/Air reserves the right to make changes in design or improvements to its products or parts thereof, without obligation to make or install of such changes or improvements on existing units or upon products covered by this warranty.
- 9) If Trans/Air makes a product improvement program available to the End User, Trans/Air reserves the right to limit the duration of the programs unless it is safety related. Expenses incurred in completing said product improvements after the closing date of the program are the responsibility of the End User.
- 10) Trans/Air's warranty shall not apply in the case of damage incurred during shipment, accidental damage, abuse, misuse, act of nature, or if the serial number is missing, or to any product which, in the sole opinion of Trans/Air, has been installed, altered or repaired in a manner affecting the efficiency or performance of the unit or inconsistent with Trans/Air's written procedures.
- 11) This warranty applies only within the boundaries of the whole United States, its territories, and Canada. For other available coverage that may be purchased, contact Trans/Air.

TRANS/AIR'S LIABILITY TO THE PURCHASER FOR DAMAGES FROM ANY CAUSE WHATSOEVER AND REGARDLESS OF THE FORM (S) OF ACTION, WHETHER IN CONTRACT OR TORT, INCLUDING NEGLIGENCE OR OTHERWISE, SHALL BE LIMITED TO THE VALUE OF REPAIRS TO OR REPLACEMENT OF THE DEFECTIVE COMPONENTS DURING THE WARRANTY PERIOD, AS THE EXCLUSIVE REMEDY, AND STRAIGHT TIME LABOR CHARGES AS OUTLINED IN ITS CURRENT WARRANTY PROCEDURE MANUAL AND FLAT RATE LABOR SCHEDULE. IN NO EVENT SHALL TRANS/AIR BE LIABLE WHATSOEVER FOR ANY PUNITIVE, INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR FOR LOST PROFITS OR OTHER COMMERCIAL LOSSES FROM ANY CAUSE WHATSOEVER, WHETHER OR NOT TRANS/AIR HAS RECEIVED NOTICE OF THE POSSIBILITY OR CERTAINTY OF SUCH DAMAGES OR LOSSES. TRANS/AIR WILL NOT BE LIABLE FOR ANY LOSS OCCURRING BECAUSE THE EQUIPMENT IS OUT OF SERVICE. NO ACTION OR PROCEEDING ARISING OUT OF, FOR BREACH OF, OR IN ANY MANNER RELATING TO THIS WARRANTY MAY BE BROUGHT BY ANYONE AFTER SIX (6) MONTHS FROM NOTIFICATION TO TRANS/AIR OF AN IN-WARRANTY FAILURE.

WARRANTY:

Freedman Seating Company warrants to the original buyer that its Passenger Seats are free from defects in material and workmanship for the following components:

- Metal Components – Five (5) years
- Plastic Components – Three (3) years
- Moving Components – Three (3) years
- Gas Shock Components – One (1) year
- Upholstered Components (foam) – Two (2) years

Cover Warranty is for defects in the material or sewing and is limited to replacement covers. It does not include labor:

- One (1) year for Level #1 in-stock FSC material and perforated vinyl
- Two (2) year for Level #3 in-stock FSC material and higher
- No warranty for COM (Customer Own/ supplied Material)

The warranty period begins at time of sales to customer or 180 days after shipment from the Freedman Seating Company's factory to the customer, whichever occurs first.

NON-PRORATED REPLACEMENT:

In the event that a warranty-covered failure should occur within the warranty period, Freedman Seating Company will repair or replace the seat without charge and without prorating, at Freedman Seating Company's option. This is the sole and exclusive remedy for breach of any warranty. Any replacement seat or part is only covered by this warranty for the remainder of warranty period applicable to the original seat.

EXCLUSIONS:

This warranty specifically excludes foam, upholstery material, belts, and items exposed to normal wear and tear such as metal finish and paint and does not apply to any seat that is damaged as result of accident, derailment, improper installation, structural defects, intentional damage, abuse, vandalism, negligence, misuse, improper operating conditions, lack of maintenance, or extreme natural phenomena. Seats exposed to toxic or corrosive materials are excluded from this warranty. Seats exposed to cleaning solutions that are not listed on the Freedman Seating Company Cleaning Guide are excluded from this warranty. This warranty is provided directly to the purchaser only and does not extend to any subsequent party and is solely for the Freedman Seating Company product as it is originally manufactured.

INCIDENTAL, CONSEQUENTIAL DAMAGES, & LIMITATIONS:

This warranty shall be in lieu of any other warranty or terms, expressed warranty or terms, expressed or implied, including but not limited to any implied warranty of merchantability or fitness for a particular purpose. The purchaser's sole and exclusive remedy against Freedman Seating Company shall be for the repair and replacement of the defective product as provided herein. No other remedy; including but not limited to incidental or consequential damages for lost profits, lost sales, injury to person or property, shipping, freight, installation, removal, or any other incidental or consequential loss shall be available to the purchaser.

NOTIFICATION:

All reports, claims, or notices required by the warranty to be provided to Freedman Seating Company must be in writing and delivered to: Attention – Freedman Seating Company, Warranty Claim Department, 4545 W. Augusta Blvd., Chicago, IL 60630. Repairs being claimed for warranty must be sent to Freedman Seating Company for prior approval and warranty acceptance before any warranty claims can be made. Parts are being claimed for warranty must be sent to Freedman Seating Company for prior approval and warranty acceptance before any warranty claims can be made.

INSPECTION AND VERIFICATION:

The owner must provide access to the failed seat so that Freedman Seating Company's authorized representative can perform an onsite inspection. Alternatively, Freedman Seating Company may ask the owner to ship the failed seat to Freedman Seating Company's laboratory for inspection. Within 30 days of the inspection, either on-site or in the laboratory, Freedman Seating Company will render an opinion as to whether or not the claimed failure is covered by the warranty.

GENERAL MAINTENANCE:

Freedman Seating Company provides the proper maintenance instructions, as well as recommended service intervals with each seat. Warranty is contingent upon documented performance of recommended maintenance and service. All replacement parts should be recommended or authorized Freedman Seating Company components. Failure to purchase proper components will null and void the warranty.

DESIGN:

Freedman Seating Company reserves the right to modify parts and design specifications without notice as long as the seats meet general specifications, unless otherwise committed per contract. In case further non-conforming changes have to be incorporated, Freedman Seating Company will submit such changes to customer for prior approval.

OTHER:

The terms and warranty are contingent upon customers meeting agreed upon payment terms as specified in Freedman Seating Company proposals. Terms and warranty supersede any other terms including but not limited to customer terms printed on the back of Purchase Orders, listed on websites, or other sources from customers.

LIMITED WARRANTY



Q'STRAIT provides limited warranty coverage on Q'STRAIT products (the "Products") as described in this Limited Warranty. For customers in the U.S.: this warranty gives you specific legal rights; you also may have other rights, which vary from state to state. For customers in the European Union: the purchaser may have additional legal rights under applicable national legislation governing the sale of consumer goods, and those rights (if applicable) are not affected by this warranty.

COVERED PRODUCTS AND LIMITATIONS:

Q'STRAIT's limited warranty coverage applies only to factory defects in materials and workmanship in the Products as follows:

- **QUANTUM** – 3 years* or 10,000 cycles.
- **Q'POD, QRT-3 Series, QRT-5 Series** – 5 years* limited warranty coverage.
- **QRT Max, QRT Deluxe, QLK-150, Q'UBE** – 3 years* limited warranty coverage.
- **QRT Standard, Q-5000, M-Series, QLK-110, INQLINE, INQLINE Loader** – 2 years* limited warranty coverage.
- **All other Products** – 1 year limited warranty coverage.

*Only valid if product is registered with Q'STRAIT. Otherwise a 1 year limited warranty applies to all products.

Each of the warranty coverage periods runs from the date the Products are shipped from Q'STRAIT, and applies only to warranted defects that first manifest themselves and are reported to Q'STRAIT within the applicable warranty period. Q'STRAIT retains the right to determine to its reasonable satisfaction whether any claimed defect is covered by this warranty.

CERTAIN ITEMS ARE EXCLUDED FROM WARRANTY COVERAGE BY Q'STRAIT, AND THIS LIMITED WARRANTY COVERAGE DOES NOT APPLY TO:

1. Products which are not installed and maintained in accordance with Q'STRAIT's instructions.
2. Products which are subject to misuse, abuse, accident, negligence, or exposure to the elements or chemicals.
3. Products which are altered or not repaired by a Q'STRAIT authorized repair service.
4. Normal wear and tear, and routine maintenance.
5. Products which are not used in applications or in a manner approved by Q'STRAIT.

ALL STATUTORY OR IMPLIED WARRANTIES (INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE), CONDITIONS AND GUARANTIES ARE EXCLUDED AND DISCLAIMED TO THE FULLEST EXTENT ALLOWED BY LAW. If any implied warranties, conditions or guarantees are required under applicable law, they are limited to the minimum duration allowed by law (not longer than the duration of the applicable express limited warranty coverage). For customers in the U.S.: some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

REMEDIES UNDER THIS LIMITED WARRANTY

If a defect covered by this warranty occurs, Q'STRAIT (or one of its authorized dealers, as determined by Q'STRAIT) will repair or replace the defective Products, in its sole discretion. This "repair or replacement" remedy is the **exclusive remedy** under this warranty. Q'STRAIT has **no responsibility or liability for any incidental or consequential damages**, such as loss of use, interest or finance charges, the cost of repairs by unauthorized repair services, depreciation, etc., all of which are specifically **excluded and disclaimed** from this warranty. For customers in the U.S.: some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

RESPONSIBILITY OF PURCHASER

1. Any claims under this limited warranty must be made to Q'STRAIT within fifteen (15) days after the defect first arises.
2. The Products must be returned to Q'STRAIT (or its authorized repair facility, as determined by Q'STRAIT) within the warranty period for inspection and warranty service. The expense of disassembly, returning the Products for warranty service, and of returning the Products to the owner and reassembly after any warranty service has been completed, is the responsibility of the owner and will not be reimbursed by Q'STRAIT. Contact Q'STRAIT Customer Service for information on how to return Products.
3. If your Product includes a registration form it must be returned to Q'STRAIT within thirty (30) days after the Products are delivered to the purchaser.

Q'STRAIT reserves the right to improve its products through changes in design or materials without being obligated to the owners of other Products.

ROSCO COMMERCIAL WARRANTY

We warrant that all ROSCO mirror, camera, sun visor, and electronic vision products are free from defects in workmanship and materials for a period of ONE (1) YEAR (unless specified longer) from the date of receipt of the product. During the warranty period, we agree to provide a replacement for (or at our option repair) any ROSCO product and/or any one or more component parts of a ROSCO product, which malfunctions under normal use and service.

Upon discovering a defect, the customer must contact ROSCO for a return authorization and then must return the product, and/or component part, together with proof of date of receipt of the product, to ROSCO INC. 144-31 91 Ave. Jamaica, New York 11435. The customer and not ROSCO will be responsible for the payment of all removal, installation and transportation charges for return of defective products or components to ROSCO. Transportation charges for such return must be prepaid. The repaired or replaced equipment will be returned to the customer with transportation charges prepaid by ROSCO. Replacement (or repaired) products and/or component parts are warranted only for the unexpired term of the original warranty.

This warranty does not cover defects caused by neglect, misuse, incorrect application, incorrect installation, water damage, vehicle wash facilities, alteration or repair in any manner outside ROSCO's factory, or damage caused by the return shipment due to inadequate packaging or mishandling. If the alleged defect is due to any of these causes, the customer will be advised of the findings and asked what action is to be taken. If ROSCO is requested to repair the product, a repair charge estimate will be prepared and the customer's written permission (purchase order, repair, etc.) will be necessary to proceed with the repair of the product and/or component part. Transportation charges for such returns will be the responsibility of the customer.

This warranty may not be expanded by oral representation, written sales information, drawings or otherwise. Repair or replacement is the exclusive remedy for defective products under this warranty. This warranty is expressly in lieu of all other warranties, including any implied warranty of merchantability or any implied warranty of fitness for a particular purpose on any ROSCO product. ROSCO shall not be liable for any consequential or incidental damages for breach of any express or implied warranty on any ROSCO product.

MORRYDE INTERNATIONAL, INC.
SUSPENSION PARTS
12-MONTH LIMITED WARRANTY
COMMERCIAL USE

MORryde International, Inc. warrants the suspension parts it manufactures listed below (hereinafter referred to as "Components") for the time period listed adjacent to said component's name, said time period beginning on the date of purchase by the original consumer purchaser:

RS – 3 years or 70,000 miles
RL – 3 years or 70,000 miles
RPB – 3 years or 70,000 miles
CRE – 2 years or 45,000 miles
IS – 5 years or 100,000 miles
RE – 3 years or 70,000 miles
BRSC – 3 years of 70,000 miles
RSX - 3 years or 70,000 miles

This Warranty is specifically limited to the original consumer purchaser who purchases the product on or in which the Component is installed. Except where prohibited by state law, this Warranty is not transferable or assignable to a subsequent purchaser. Warranty starts on date of odometer reading as of date of retail sale.

MORryde International, Inc.'s liability hereunder is limited to the replacement of the Component, repair of the Component, or replacement of the Component with a reconditioned Component, at the discretion of MORryde International, Inc.

This Warranty does not cover customer modification or installation. In manufacturing and distributing Components, MORryde International Inc. relies upon its customers to order Components of sufficient size, dimension, strength, and durability for the use intended by its customers and end user consumer. As a result, MORryde International, Inc. does not expressly warranty to customers or end user consumers Components to be fit for a specific or particular purpose.

We are not responsible for, and this Warranty does not apply to, (a) improper usage; (b) overloading; (c) accident related damage; (d) damage resulting from abuse, neglect, improper operation, maintenance, or installation on the product upon which the components is installed (e) attempted repair by anyone other than an authorized representative of MORryde International, Inc.; (f) use of unauthorized repair parts, modification; (g) other causes not arising from defects in Component material or workmanship; (h) warranty claim with no proof of mileage or date of purchase (i) incorrect installation of part of the component (j) duplication of repair due to faulty diagnosis or workmanship of others; (k) damage or deterioration due to exposure to the elements such as fading, rust, paint deterioration, or discoloration caused by exposure to sunlight, chemicals, road salt, moisture or other environmental conditions (l) any component or function of the chassis not directly and specifically changed or impacted by the MORryde modification (m) improper alteration (n) towing expenses, freight charges, transportation expenses, telephone or other communication expense; (o) overtime or holiday labor, downtime of owner's layover expenses such as meals and lodging; (p) loss of use or related loss of income; (q) cosmetic damage, damage due to acts of God, or modification of the Component.

This Warranty is valid only in the United States and Canada, and it extends to the end user (the original consumer purchaser of the product on which the Component is attached). We require all failed parts to be returned upon MORryde's request. Failure to do so will result in denial of any claim.

Subject to the conditions herein, MORryde International, Inc. extends the following warranty:

1. For the time period listed adjacent to the component above, commencing with the date of purchase by the original consumer purchaser, MORryde International, Inc. will replace or repair any Component that is, upon return to MORryde International, Inc., found by MORryde International, Inc. to be defective in material or workmanship.
2. To make a warranty claim, you must, within no less than thirty (30) days of the expiration date of the warranty, contact in writing MORryde International, Inc. warranty claim service, at the address which appears below. Warranty replacement Components or parts will be furnished freight prepaid. Labor cost to repair or replace will be limited to the amount of the original purchase price of the Components or parts and any amount over \$100.00 must be approved in advance by MORryde International, Inc. The replaced warranty Components or parts become the property of MORryde International, Inc. and, upon request of MORryde International, Inc., must be returned to MORryde International, Inc. freight prepaid, as arranged, unless other arrangements have been authorized in writing by MORryde International, Inc.

ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY SPECIFICALLY DISCLAIMED, EXCEPT TO THE EXTENT DISCLAIMER IS PROHIBITED BY APPLICABLE LAW, IN WHICH CASE THEY ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY AS STATED ABOVE. MORRYDE INTERNATIONAL, INC. DISCLAIMS RESPONSIBILITY FOR CONSEQUENTIAL DAMAGE OR LOSS, INCLUDING BUT NOT LIMITED TO, LOSS OF USE OF VEHICLE, LOSS OF TIME, INCONVENIENCE, EXPENSE FOR TELEPHONE, TRAVEL, OR LODGING, LOSS OR DAMAGE TO PERSONAL PROPERTIES, OR LOSS OF REVENUES. SOME STATES/PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR LIMITATIONS ON CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS WHICH MAY VARY FROM STATE/PROVINCE TO STATE/PROVINCE.

FORUM SELECTION: IN THE EVENT OF ANY LEGAL ACTION INVOLVING THIS WARRANTY OR THE DESIGN OR MANUFACTURE OF THE COMPONENT SUBJECT HEREIN, YOU AGREE SAID ACTION WOULD MOST REASONABLY BE BROUGHT IN THE STATE (INDIANA) WHERE SAID COMPONENT WAS DESIGNED AND MANUFACTURED AND WARRANTY ISSUED. YOU AGREE SAID ACTION WILL BE BROUGHT IN THE STATE OR FEDERAL COURTS LOCATED IN INDIANA, AND THAT INDIANA SUBSTANTIVE LAW WILL APPLY TO SAID PROCEEDING. YOU AGREE THIS FORUM AND CHOICE OF LAW PROVISION IS REASONABLE GIVEN THE VALUABLE CONSIDERATION YOU RECEIVED IN THE FORM OF THE WARRANTY COVERAGE TIME PERIOD PROVIDED FOR THE COMPONENT.

PLEASE DIRECT ALL CORRESPONDENCE TO:

MORryde International
P.O. Box 579
Elkhart, IN 46515
Phone: (574)293-1581
Fax: (574)294-4936
Email: warranty@morryde.com

NOTICE: In order to provide better warranty service, if you have a claim or receive a claim for any issue you believe is subject to coverage under this warranty, you must provide MORryde International, Inc. written notice of such claim within thirty (30) days of you becoming aware of the claim.



BraunAbility
Life is a Moving Experience®

631 W.11th Street
P.O. Box 310
Winamac, IN 46996
1-800-THE-LIFT
(574) 946-6153
Fax (574) 946-4670

www.braunability.com

November 23, 2022

R. Erik Soderholm
Vice President
Soderholm Sales and Leasing, Inc.
2044 Dillingham Blvd.
P.O. Box 19010
Honolulu, HI 96817

To Whom it May Concern:

This letter is to confirm that **Soderholm Sales and Leasing, Inc.** is in good standing with BraunAbility and is currently the only authorized Commercial Service and Warranty provider for BraunAbility Commercial products in the State of Hawaii, Guam, Commonwealth of the Northern Marianas Islands (CNMI), Federated States of Micronesia (FSM), the Marshall Islands, Palau and American Samoa.

Should you require any additional information, please feel free to contact us at 800-843-5438.

Sincerely,

Mark Sarno

Mark Sarno
Senior OEM Account Manager
BraunAbility

cc: Denise Soderholm, President – Soderholm Bus & Mobility
Gus Soderholm, Sales Consultant – Soderholm Bus & Mobility



November 21, 2022

Gus Soderholm
Soderholm Sales and Leasing
2044 Dillingham Blvd.
Honolulu, HI 96817

Dear Gus,

First, I want to thank you for 30+ years of business, support, loyalty and friendship. We truly appreciate everything you and Soderholm Sales and Leasing (SSL) do for Freedman Seating. In response to your request, I am pleased to provide the following.

Freedman Seating is happy to recognize SSL as its's exclusive premier dealer for service, parts and warranty center for the Pacific Islands including Hawaii, Guam, Commonwealth of the Marianas Islands, American Samoa, Federated States of Micronesia, Marshall Islands & Palau for calendar year 2022.

Again, thank you for all your help and support.

Sincerely,

A handwritten signature in black ink, appearing to read "Dan Cohen", is written over a white background.

Dan Cohen
President
Freedman Seating

December 9, 2021

Gus Soderholm
Soderholm Sales and Leasing
2044 Dillingham Blvd.
Honolulu, HI 96817

Dear Gus,

This letter is to confirm that Soderholm Sales and Leasing, Inc. is in good standing with MORryde and is approved for Warranty, Service and Parts provider for MORryde products products in the State of Hawaii, Guam, Commonwealth of the Northern Marianas Islands, Federated States of Micronesia, the Marshall Islands, Palau and American Samoa.

We highly valued our longstanding relationship and appreciate your continued support.

Best Regards,

Joe Carroll
MORryde International, Inc.



Above. Beyond. Always.

574.293.1581
MORryde.com



4031 NE 12th Terrace
Oakland Park, FL 33334

Toll Free: 800.987.9987
Tel: 954.986.6665
Fax: 954.986.0021
www.qstraint.com

May 17, 2022

Gus Soderholm
Soderholm Sales and Leasing
2044 Dillingham Blvd.
Honolulu, HI 96817

RE: Authorized Warranty, Service and Parts Center

Dear Gus,

This letter is to confirm that Soderholm Sales and Leasing, Inc. is in good standing with Q'Strait and is currently the only authorized Warranty, Service and Parts provider for Q'Strait products in the State of Hawaii, Guam, Commonwealth of the Northern Marianas Islands, Federated States of Micronesia, the Marshall Islands, Palau and American Samoa.

We have valued our many years of friendship and support and look forward to continuing our business partnership with SSL. If you should require any additional information, please feel free to reach out to us at 800-987-9987.

Sincerely,

Mike Grom

Mike Grom
Director of Sales
Q'Strait/Sure-Lok

cc: Lisa Nippolt, Western Regional Manager, Q'Strait/Sure-Lok



**B23001311 (STP-5310-22AR) Submission from Soderholm Sales &
Leasing, Inc.**

Vehicle Testing

FEDERAL TRANSIT BUS TEST

**Performed for the Federal Transit Administration U.S. DOT
In accordance with 49 CFR, Part 665**

Manufacturer: BraunAbility / The Braun Corporation

**Model: Chrysler Pacifica / Voyager Commercial
Wheelchair Accessible Vehicle
w/ Side-Entry Manual Foldout Ramp**

**Tested in Service-Life Category
4 Year / 100,000 Miles**

November 2020

Report Number: LTI-BT-R2020-03

**The Thomas D. Larson
Pennsylvania Transportation Institute
201 Transportation Research Building
The Pennsylvania State University
University Park, PA 16802
(814) 865-1891**

**Bus Testing and Research Center
2237 Plank Road
Duncansville, PA 16635
(814) 695-3404**



PennState
College of Engineering

**LTI BUS RESEARCH
AND TESTING CENTER**

FEDERAL TRANSIT BUS TEST

Performed for the Federal Transit Administration, U.S. DOT
1200 New Jersey Avenue, SE
Washington, DC 20590

In accordance with 49 CFR Part, 665

Manufacturer: BraunAbility / The Braun Corporation
Manufacturer's address: 631 W. 11th Street
Winamac, IN 46996

Model: Chrysler Pacifica / Voyager Commercial
Wheelchair Accessible Vehicle w/Side-Entry
Manual Foldout Ramp

Tested in Service-Life Category
4 Year / 100,000 Miles

Report Number: LTI-BT-R2020-03



David Klinikowski

Quality Authorization

Director, Bus Research
and Testing Center

Title

November 20th 2020

Date

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EXECUTIVE SUMMARY

TEST HIGHLIGHTS

The information in this report pertains only to this specific bus, as received from the manufacturer for testing.

The Check-In section of the report provides a description of the bus and specifies its major components. The following table gives the salient specifications.

Manufacturer	BraunAbility / The Braun Corporation
Model	Chrysler Pacifica / Voyager Commercial Wheelchair Accessible Vehicle w/Side-Entry Manual Foldout Ramp
Chassis Make/Model	Chrysler Pacifica / Voyager
Chassis Modified	Yes
Length	16 feet, 8 ½ inches
Fuel	Gasoline
Service Life	4 Years / 100,000 miles
Number of Seats (including driver)	5 and 1 wheelchair
Manufacturer-Designated Standing Passenger Capacity	No standing passengers
Gross Vehicle Weight used for testing	5,830 lb.
Gross Vehicle Weight Rating	6,055 lb.
Mileage at Delivery	37
Test Start Date	March 19, 2020
Test Completion Date	October 07, 2020

The measured curb weight was 2,520 lb. for the front axle and 1,940 lb. for the rear axle. These combined weights provided a total measured curb weight of 4,460 lb. There are 5 seats including the driver and one wheelchair position. Since this vehicle is a minivan, it is not possible to accommodate standing passengers. Therefore, the gross load represents seated passengers only, for a total of 6 passengers. Gross load is calculated as $(150 \text{ lb.} \times 5) + (600 \text{ lb.} \times 1) = 1,350 \text{ lb.}$ At full declared capacity, the measured gross vehicle weight was 5,830 lb.

BUS TESTING BACKGROUND

On August 1, 2016, FTA announced a final rule for bus testing for improving the process of ensuring the safety and reliability of new transit buses. The rule satisfies requirements in MAP-21 to establish minimum performance standards, a standardized scoring system, and a pass-fail threshold based on the score.

FTA's Bus Testing Program (often referred to as "Altoona Testing" due to the location of the main testing center) tests new transit bus models for:

- Maintainability
- Reliability

- Safety
- Performance (including Braking Performance)
- Structural Integrity (including Structural Durability)
- Fuel Economy (Energy Efficiency and Range, for electric buses)
- Noise
- Emissions

Bus models that fail to meet one or more minimum performance standards will “fail” their test and thus be ineligible for purchase with FTA funds until the failures are resolved and validated through further testing. FTA will use this authority to make sure defects are corrected before a bus model can be acquired with FTA funding.

In each application to FTA for the purchase or lease of any new bus model, or any bus model with a major change in configuration or components to be acquired or leased with funds obligated by the FTA, the recipient shall certify that it has received the appropriate full Bus Testing Report and any applicable partial testing report(s) before final acceptance of the first vehicle. In dealing with a bus manufacturer or dealer, the recipient shall be responsible for determining whether a vehicle to be acquired requires full testing or partial testing or has already satisfied the requirements of this part. A bus manufacturer or recipient may request guidance from FTA in making these determinations.

The purpose of the testing is intended set a “Pass/Fail” standard and grade the performance of the buses in order to provide performance information to the transit authorities that can be used in their purchase or lease decisions. The intent of this report is to provide the grantee a relative measure of the performance of a particular model of transit bus against a standard of performance. The passing of this test should ensure a vehicle has a high probability of meeting its service life in the category it was tested.

The data included in this test report and other applicable reports should be reviewed to choose the most suitable bus for a grantee’s operation. A higher scoring bus is not necessarily the best bus for a given application. For example, a bus with a powerful engine may score well because of its performance and gradeability, but another bus with a smaller and more fuel-efficient engine could be a better choice for applications in mostly flat areas. It is the responsibility of the grantee to ensure the proper test report or applicable partial report is in their possession and has been thoroughly reviewed.

The score sheet for the subject vehicle of this test report is provided below. **This bus passed the Altoona test, with an aggregate score of 92.5.**

Bus 2020-03 BraunAbility						
Test category	Standard	Base Pts.	Bonus Pts.	Range	Test Data	Score
1. Maintainability	Unscheduled maint.	2	14	0	0.25	15.97
2. Reliability	# Class 2 failures	2	6	0	0	8.00
	Hazards	10	0	P	P	10.00
	Stability	2.5	0	P	P	2.50
3. Safety	< 158 feet at 45mph	0.5	2	80	85.6	2.36
	Braking	2.5	0	P	P	2.50
	Acceleration 0-30 mph	2.5	0	P	P	2.50
4. Performance	Gradeability 2.5%	1.5	0	P	P	1.50
	Gradeability 10%	2	0	P	P	2.00
	Distortion	1	0	P	P	1.00
	Static Towing	1	0	P	P	0.00
5. Structural Integrity	Dynamic Towing	1	0	P	P	1.00
	Jacking	1	0	P	P	1.00
	Hoisting	1	0	P	P	1.00
	Durability-Structural	13	0	P	P	13.00
	Durability-Powertrain	12	0	P	P	12.00
6. Fuel Economy	Liquid fuels	1	6	10	12.7	6.85
	CNG	1	6	15	DATA	0.00
	Hydrogen	1	6	15	DATA	0.00
	Electric	0.5	3	30	DATA	0.00
7. Noise	Int. Noise (0-35 mph)	0.5	3	50	79.8	0.51
	Ext. Noise (0-35 mph)	0.5	3	50	76.9	1.05
	CO ₂	4	4	0	661	4.34
	CO	0.4	0.4	0	1.16	0.38
8. Emissions	Total hydrocarbon	1	0.4	0	0.19	0.37
	NMHC	0.4	0.4	0	0.05	0.39
	Nitrogen oxides	0.4	0.4	0	0	0.40
	Particulates	0.4	0.4	0	0	0.40
Total		60	40			92.5

Note: The use of the scoring system is not mandatory for procurement. It is only necessary that the bus being procured has received a passing score.

ABBREVIATIONS AND ACRONYMS

- ABS - anti-skid braking system
- ABTC - Altoona Bus Test Center
- A/C - air conditioner, or air conditioning
- AC - alternating current
- ADA - American Disability Act
- CDCTS - chassis dynamometer test control system
- CVS - constant volume sampling
- CW - curb weight (bus weight including maximum fuel, oil, and coolant; but without passengers or driver)
- dB(A) - decibels with reference to 0.0002 microbar as measured on the "A" scale
- DC - direct current
- DIR - test director
- DR - bus driver
- EPA - Environmental Protection Agency
- GAWR - gross axle weight rating
- GVL - gross vehicle load (150 lb. for every designed passenger seating position, for the driver, and for each 1.5 sq ft of free floor space)
- GVW - gross vehicle weight (curb weight plus gross vehicle load)
- GVWR - gross vehicle weight rating
- HD-UDDS - Heavy Duty-Urban Dynamometer Driving Schedule
- LTI - Larson Transportation Institute
- mpg - miles per gallon
- mph - miles per hour
- PM - Preventive maintenance
- PSTT - Penn State Test Track
- rpm - revolutions per minute
- SAE - Society of Automotive Engineers
- SCF - Standard cubic foot
- SCH - test scheduler
- SA - staff assistant
- SLW - seated load weight (curb weight plus 150 lb. for every designed passenger seating position and for the driver)
- TD - test driver
- TECH - test technician
- TM - track manager
- TP - test personnel
- Wh - Watt hour

TEST BUS CHECK-IN

I. OBJECTIVE

The objective of this task is to log in the test bus, assign a bus number, complete the vehicle data form, and perform a safety check.

II. TEST DESCRIPTION

The test consisted of assigning a bus test number to the bus, cleaning the bus, completing the vehicle data form, obtaining any special information and tools from the manufacturer, determining a testing schedule, performing an initial safety check, and performing the manufacturer's recommended preventive maintenance. The bus manufacturer certified that the bus meets all Federal regulations.

III. DISCUSSION

The check-in procedure is used to identify in detail the major components and configuration of the bus.

The test bus consisted of a BraunAbility / The Braun Corp., Chrysler Pacifica / Voyager Commercial Wheelchair Accessible Vehicle w/Side-Entry Manual Foldout Ramp bus model. The bus has a front driver's door and a front passenger door behind the front axle, and two rear passenger doors forward of the rear axle. The curbside rear passenger door is equipped with a Braun model 509U91DSA manual fold out ramp. Power is provided by a gasoline fueled, Mopar FUA US LLC 3.6L engine coupled to Chrysler, OEM 948TE, transmission.

The measured curb weight was 2,520 lb. for the front axle and 1,940 lb. for the rear axle. These combined weights provided a total measured curb weight of 4,460 lb. There are 5 seats including the driver and one wheelchair position. Since this vehicle is a minivan, it is not possible to accommodate standing passengers. Therefore, the gross load represents seated passengers only, for a total of 6 passengers. Gross load is calculated as $(150 \text{ lb.} \times 5) + (600 \text{ lb.} \times 1) = 1,350 \text{ lb.}$ At full declared capacity, the measured gross vehicle weight was 5,830 lb.

VEHICLE DATA FORM

Page 1 of 7

Bus Number: 2020-03	Date of Check-In: 03/19/2020
Bus Manufacturer: BraunAbility/The Braun Corp.	Vehicle Identification Number (VIN): 2C4RC1CG6LR120814
Model Number: Chrysler Pacifica / Voyager	Chassis Mfr./Mod. #: Chrysler Pacifica / Voyager
Personnel: T.S. & E.D.	Starting Odometer Reading: 37 miles

WEIGHT:

Individual Wheel Reactions:

Weights (lb.)	Front Axle		Middle Axle		Rear Axle	
	Curb	Street	Curb	Street	Curb	Street
CW	1,230	1,290	N/A	N/A	1,000	940
SLW	1,390	1,500	N/A	N/A	1,480	1,460
GVW	1,390	1,500	N/A	N/A	1,480	1,460

Total Weight Details:

Weight (lb.)	CW	SLW	GVW	GAWR
Front Axle	2,520	2,890	2,890	2,950
Middle Axle	N/A	N/A	N/A	N/A
Rear Axle	1,940	2,940	2,940	3,200
Total	4,460	5,830	5,830	Manufacturer specified GVWR: 6,055

Dimensions:

Length (ft/in)	16 / 8 ½
Width (in)	77 ¾
Height (in)	78
Front Overhang (in)	39
Rear Overhang (in)	39 ½
Wheelbase (in)	122
Wheel Track (in)	Front: 68.2
	Middle: N/A
	Rear: 68.8

VEHICLE DATA FORM

Page 2 of 7

Bus Number: 2020-03	Date: 03/19/2020
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CLEARANCES:

Lowest Point Outside Front Axle	Location: Frame	Clearance(in): 7.1
Lowest Point Outside Rear Axle	Location: Exhaust	Clearance(in): 8.3
Lowest Point between Axles	Location: Exhaust	Clearance(in): 6.1
Ground Clearance at the center (in)	6.1	
Front Approach Angle (deg)*	10.3	
Rear Approach Angle (deg)*	19.2	
Ramp Clearance Angle (deg)	5.7	
Aisle Width (in)	N/A	
Inside Standing Height at Center Aisle (in)	60	

*measurements used to calculate approach and departure angles are taken from the centerline of the axles.

BODY DETAILS:

Body Structural Type	Integral / Unibody		
Frame Material	Steel		
Body Material	Steel		
Floor Material	Steel		
Roof Material	Steel		
Windows Type	<input type="checkbox"/> Fixed	<input checked="" type="checkbox"/> Movable	
Window Mfg./Model No.	Mopar / 43R-001565 DOT459 FYG M540 AS2 19		
Number of Doors	<u>2</u> Front	<u>2</u> Middle	<u>1</u> Rear
Mfr. / Model No.	All doors are OEM to Mopar		
Dimension of Each Door (in)	Front Driver – 42.1 x 29.2 Front Passenger – 42.7 x 29.4 Middle Left – 56.8 x 27.7 Middle Right – 56.6 x 31.4 Rear – 37.6 x 44.9		
Passenger Seat Type	<input type="checkbox"/> Cantilever	<input checked="" type="checkbox"/> Pedestal	<input type="checkbox"/> Other (explain)
Driver Seat Type	<input type="checkbox"/> Air	<input checked="" type="checkbox"/> Spring	<input type="checkbox"/> Other (explain)
Mfr. / Model No.	Chrysler / OEM		
Number of Seats (including Driver)	5 + 1 wheelchair		

VEHICLE DATA FORM

Page 3 of 7

Bus Number: 2020-03	Date: 03/19/2020
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BODY DETAILS (Contd.)

Free Floor Space (ft ²)	N/A
Height of Each Step at Normal Position (in)	Front 1. <u>1.10</u> 2. <u>23.3</u> 3. <u>N/A</u> 4. <u>N/A</u>
	Middle 1. <u>12.4</u> 2. <u>N/A</u> 3. <u>N/A</u> 4. <u>N/A</u>
	Rear 1. <u>N/A</u> 2. <u>N/A</u> 3. <u>N/A</u> 4. <u>N/A</u>
Step Elevation Change - Kneeling (in)	N/A

ENGINE

Type	<input type="checkbox"/> C.I.	<input type="checkbox"/> Alternate Fuel	
	<input checked="" type="checkbox"/> S.I.	<input type="checkbox"/> Other (explain)	
Mfr. / Model No.	Mopar FUA US LLC / 3.6L		
Location	<input type="checkbox"/> Front	<input type="checkbox"/> Rear	<input type="checkbox"/> Other (explain)
Fuel Type	<input checked="" type="checkbox"/> Gasoline	<input type="checkbox"/> CNG	<input type="checkbox"/> Methanol
	<input type="checkbox"/> Diesel	<input type="checkbox"/> LNG	<input type="checkbox"/> Other (explain)
Alternator (Generator) Mfr./Model No.	Denso / P56029732AB		
Maximum Rated Output (Volts / Amps)	12 / 180		
Air Compressor Mfr. / Model No.	N/A		
Maximum Capacity (ft ³ / min)	N/A		
Starter Type	<input checked="" type="checkbox"/> Electrical	<input type="checkbox"/> Pneumatic	<input type="checkbox"/> Other (explain)
Starter Mfr. / Model No.	Mopar / 68348376AC		

VEHICLE DATA FORM

Page 4 of 7

Bus Number: 2020-03	Date: 03/19/2020
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TRANSMISSION

Transmission Type	<input type="checkbox"/> Manual	<input checked="" type="checkbox"/> Automatic	<input type="checkbox"/> Load Sensing Adaptive
Mfr. / Model No.	Chrysler / OEM 948TE		
Control Type	<input type="checkbox"/> Mechanical	<input checked="" type="checkbox"/> Electrical	<input type="checkbox"/> Other
Integral Retarder Mfr. / Model No.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

SUSPENSION

Number of Axles	2		
Front Axle Type	<input checked="" type="checkbox"/> Independent	<input type="checkbox"/> Beam Axle	
Mfr. / Model No.	Chrysler / OEM		
Axle Ratio (if driven)	Chrysler / OEM		
Suspension Type	<input type="checkbox"/> Air	<input checked="" type="checkbox"/> Spring	<input type="checkbox"/> Other (explain)
No. of Shock Absorbers	2		
Mfr. / Model No.	ZF Sach / REG 001650/2018		
Middle Axle Type	<input type="checkbox"/> Independent	<input type="checkbox"/> Beam Axle	
Mfr. / Model No.	N/A		
Axle Ratio (if driven)	N/A		
Suspension Type	<input type="checkbox"/> Air	<input type="checkbox"/> Spring	<input type="checkbox"/> Other (explain)
No. of Shock Absorbers	N/A		
Mfr. / Model No.	N/A		
Rear Axle Type	<input checked="" type="checkbox"/> Independent	<input type="checkbox"/> Beam Axle	
Mfr. / Model No.	Chrysler / OEM		
Axle Ratio (if driven)	N/A		
Suspension Type	<input type="checkbox"/> Air	<input checked="" type="checkbox"/> Spring	<input type="checkbox"/> Other (explain)
No. of Shock Absorbers	2		
Mfr. / Model No.	Sach ZF / REG 001649/2018		

VEHICLE DATA FORM

Page 5 of 7

Bus Number: 2020-03	Date: 03/19/20
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WHEELS & TIRES

Front	Wheel Mfr./ Model No.	Chrysler / OEM
	Tire Mfr./ Model No.	Yokohama Avid S34 235/65R17
Rear	Wheel Mfr./ Model No.	Chrysler / OEM
	Tire Mfr./ Model No.	Yokohama Avid S34 235/65R17

BRAKES

Front Axle Brakes Type	<input type="checkbox"/> Cam	<input checked="" type="checkbox"/> Disc	<input type="checkbox"/> Other (explain)
Mfr. / Model No.	Mopar / OEM		
Middle Axle Brakes Type	<input type="checkbox"/> Cam	<input type="checkbox"/> Disc	<input type="checkbox"/> Other
Mfr. / Model No.	N/A		
Rear Axle Brakes Type	<input type="checkbox"/> Cam	<input checked="" type="checkbox"/> Disc	<input type="checkbox"/> Other (explain)
Mfr. / Model No.	Mopar / OEM		

HVAC

Heating System Type	<input type="checkbox"/> Air	<input checked="" type="checkbox"/> Water	<input type="checkbox"/> Other
Capacity (Btu/hr)	Chrysler / OEM		
Mfr. / Model No.	Chrysler / OEM		
Air Conditioner	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Location	Front		
Capacity (Btu/hr)	Chrysler / OEM		
A/C Compressor Mfr. / Model No.	FCA US LLC / 68225206AD		

STEERING

Steering Gear Box Type	Electric / Hydraulic Rack & pinion		
Mfr. / Model No.	Chrysler / OEM		
Steering Wheel Diameter	15.1"		
Number of turns (lock to lock)	3		
Control Type	<input checked="" type="checkbox"/> Electric	<input checked="" type="checkbox"/> Hydraulic	<input type="checkbox"/> Other (explain)

VEHICLE DATA FORM

Page 6 of 7

Bus Number: 2020-03	Date: 03/19/2020
---------------------	------------------

OTHERS

Wheelchair Ramps	Location: Right side middle	Type: Manual Fold out
Wheelchair Lifts	Location: N/A	Type: N/A
Mfr. / Model No.	Braun / 509491DSA	
Emergency Exit	Location: N/A	Number: N/A

CAPACITIES

Fuel Tank Capacity (gallons)	19
Engine Crankcase Capacity (quarts)	5
Transmission Capacity (pints)	12.7
Differential Capacity (quarts)	N/A
Cooling System Capacity (gallons)	Chrysler / OEM
Power Steering Fluid Capacity (quarts)	Chrysler / OEM

VEHICLE DATA FORM

Page 7 of 7

Bus Number: 2020-03	Date: 03/19/2020
---------------------	------------------

List all spare parts, tools and manuals delivered with the bus.

Part Number	Description	Qty.
N/A	N/A	N/A

COMPONENT/SUBSYSTEM INSPECTION FORM

Page 1 of 1

Bus Number: 2020-03	Date: 03/19/2020
---------------------	------------------

Subsystem	Checked	Initials	Comments
Air Conditioning Heating and Ventilation	✓	E.D.	None noted.
Body and Sheet Metal	✓	E.D.	Floor underneath bus is scraped & gouged
Frame	✓	E.D.	None noted.
Steering	✓	E.D.	None noted.
Suspension	✓	E.D.	None noted.
Interior/Seating	✓	E.D.	None noted.
Axles	✓	E.D.	None noted.
Brakes	✓	E.D.	None noted.
Tires/Wheels	✓	E.D.	None noted.
Exhaust	✓	E.D.	None noted.
Fuel System	✓	E.D.	None noted.
Power Plant	✓	E.D.	None noted.
Accessories	✓	E.D.	None noted.
ADA Accessible Lift System	N/A	E.D.	N/A
ADA Accessible Ramp System	✓	E.D.	None noted.
Interior Fasteners	✓	E.D.	None noted.
Batteries	✓	E.D.	None noted.

CHECK - IN



**BRAUNABILITY / THE BRAUN CORP.
CHRYSLER PACIFICA / VOYAGER COMMERCIAL
WHEELCHAIR ACCESSIBLE VEHICLE W/SIDE-ENTRY
MANUAL FOLDOUT RAMP**



CHECK - IN CONT.



**BRAUNABILITY / THE BRAUN CORP.
CHRYSLER PACIFICA / VOYAGER COMMERCIAL
WHEELCHAIR ACCESSIBLE VEHICLE W/SIDE-ENTRY
MANUAL FOLDOUT RAMP**



CHECK - IN CONT.



**BRAUN MANUAL FOLDOUT RAMP
MODEL 509U91DSA**

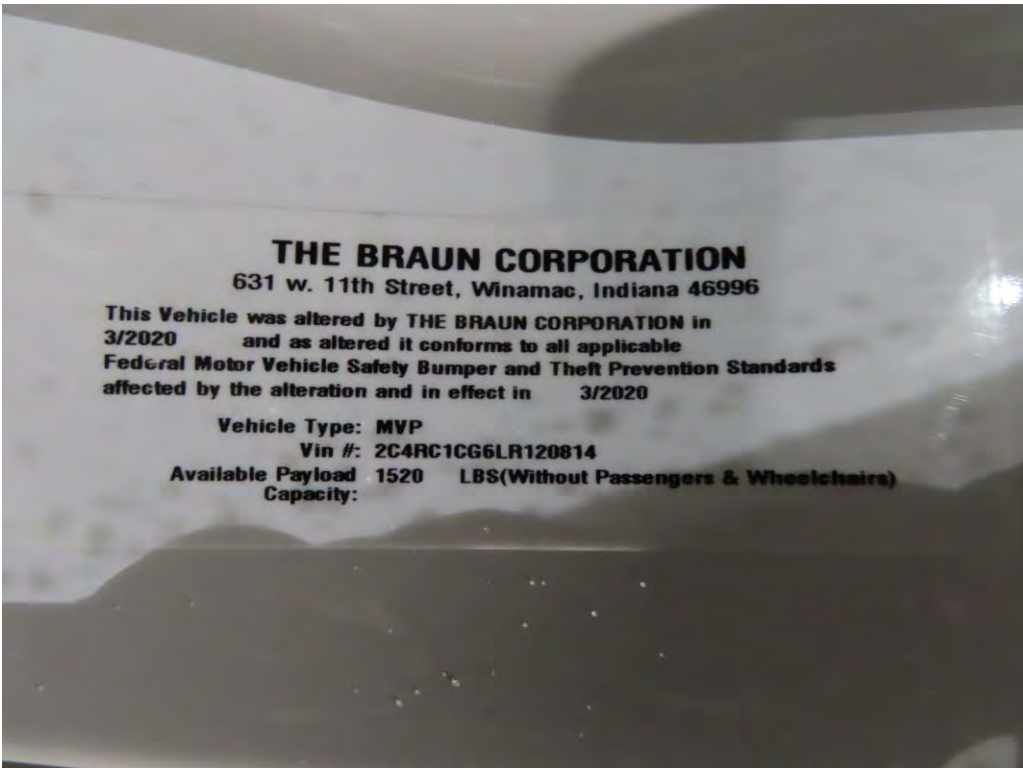


OPERATOR'S AREA

CHECK - IN CONT.

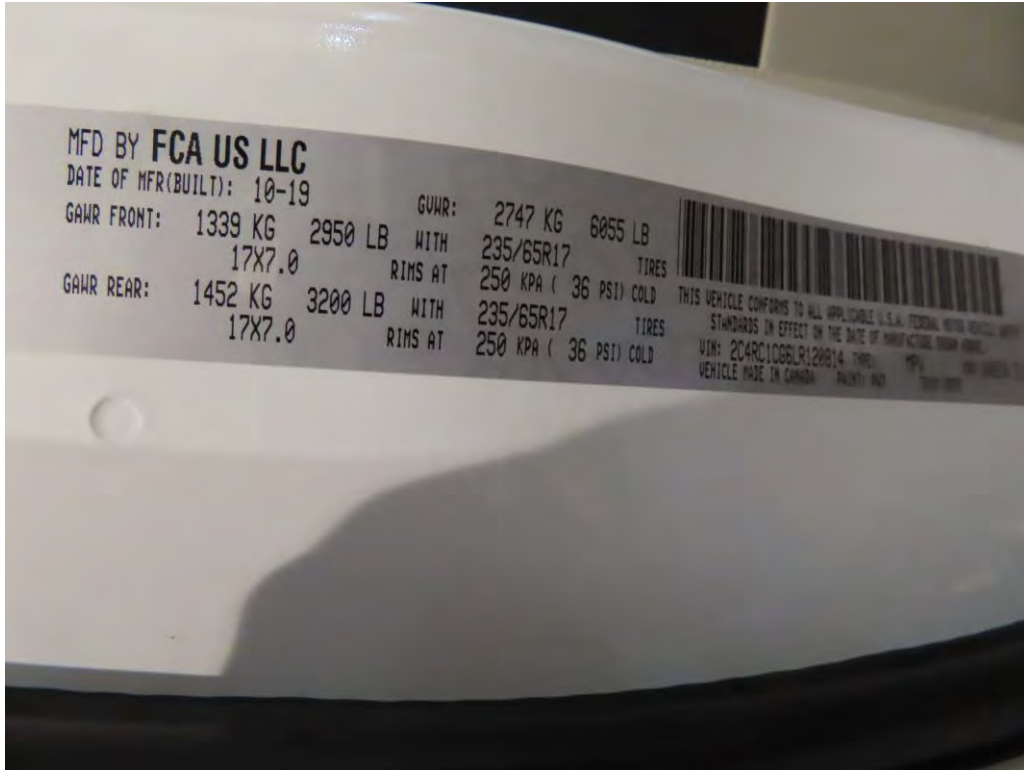


REAR SEATS

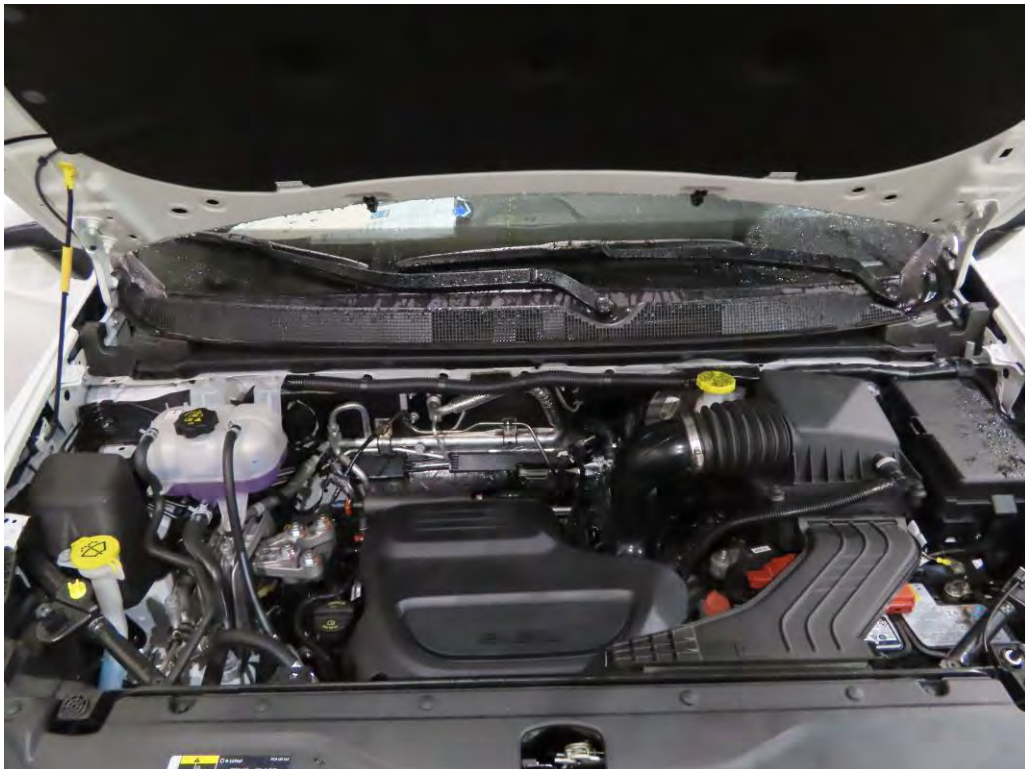


VIN TAG

CHECK - IN CONT.



CHRYSLER VIN TAG



ENGINE COMPARTMENT

CHECK - IN CONT.



SCRAPES AND GOUGES ON UNDERSIDE OF BUS

1. MAINTAINABILITY

1.1 ACCESSIBILITY OF COMPONENTS AND SUBSYSTEMS

1.1-I. TEST OBJECTIVE

The objective of this test is to check the accessibility of components and subsystems.

1.1-II. TEST DESCRIPTION

Accessibility of components and subsystems was checked, and where accessibility was restricted the subsystem was noted along with the reason for the restriction.

1.1-III. DISCUSSION

Accessibility, in general, was adequate. Components covered in Section 1.3 (repair and/or replacement of selected subsystems), along with all other components encountered during testing, were found to be generally accessible and no restrictions were noted. However, the engine and transmission had to be removed as one due to the impediment of the front subframe. The front seats and interior panel under the dash had to be removed to access the subframe bolts.

ACCESSIBILITY DATA FORM

Page 1 of 2

Bus Number: 2020-03	Date: 10/07/2020
---------------------	------------------

Component	Checked	Comments
ENGINE:		
Oil Dipstick	✓	None noted.
Oil Filler Hole	✓	None noted.
Oil Drain Plug	✓	None noted.
Oil Filter	✓	None noted.
Fuel Filter	✓	None noted.
Air Filter	✓	None noted.
Belts	✓	None noted.
Coolant Level	✓	None noted.
Coolant Filler Hole	✓	None noted.
Coolant Drain	✓	None noted.
Spark / Glow Plugs	✓	None noted.
Alternator	✓	None noted.
Diagnostic Interface Connector	✓	None noted.
TRANSMISSION:		
Fluid Dipstick	✓	None noted.
Filler Hole	✓	None noted.
Drain Plug	✓	None noted.
SUSPENSION:		
Bushings	✓	None noted.
Shock Absorbers	✓	None noted.
Air Springs	✓	None noted.
Leveling Valves	✓	None noted.
Grease Fittings	✓	None noted.

ACCESSIBILITY DATA FORM

Page 2 of 2

Bus Number: 2020-03	Date: 10/07/2020
---------------------	------------------

Component	Checked	Comments
HVAC:		
A/C Compressor	✓	None noted.
Filters	✓	None noted.
Fans	✓	None noted.
ELECTRICAL SYSTEM:		
Fuses	✓	None noted.
Batteries	✓	None noted.
Voltage regulator	N/A	In the alternator
Voltage Converters	N/A	None noted.
Lighting	✓	None noted.
MISCELLANEOUS:		
Brakes	✓	None noted.
ADA Accessible Lifts/Ramps	✓	Fold out ramp
Instruments	✓	None noted.
Axles	✓	None noted.
Exhaust	✓	None noted.
Fuel System	✓	None noted.
OTHERS:		

1.2 SERVICING, PREVENTIVE MAINTENANCE, AND REPAIR AND MAINTENANCE DURING TESTING

1.2-I. TEST OBJECTIVE

The objective of this test is to collect maintenance data about the servicing, preventive maintenance, and repair.

1.2-II. TEST DESCRIPTION

The test was conducted by operating the bus and collecting the following data on work order forms and a driver log.

1. Scheduled Maintenance
 - a. Bus number
 - b. Date
 - c. Mileage
 - d. Results of scheduled inspections
 - e. Description of malfunction (if any)
 - f. Repair action and parts used (if any)
 - g. Man-hours required

2. Unscheduled Maintenance
 - a. Bus number
 - b. Date
 - c. Mileage
 - d. Description of malfunction
 - e. Place and time of malfunction (e.g., in service or undergoing inspection)
 - f. Repair action and parts used
 - g. Man-hours required

The bus was operated in accelerated durability service. While typical items are given below, the specific service schedule was that specified by the manufacturer.

- A. Service
 1. Fueling
 2. Consumable checks
 3. Interior cleaning

- B. Preventive Maintenance
 1. Brake adjustments
 2. Lubrication
 3. 3,000 mi (or manufacturer recommended) inspection

4. Oil and filter change inspection
 5. Major inspection
 6. Tune-up
- C. Periodic Repairs
1. Brake reline*
 2. Transmission change
 3. Engine change*
 4. Windshield wiper motor change
 5. Stoplight bulb change*
 6. Towing operations
 7. Hoisting operations

*These items are attended to if found necessary, while the others in the list are removed/replaced/tested for all buses undergoing a full test.

1.2-III. DISCUSSION

Servicing and preventive maintenance were performed at manufacturer-specified intervals. The following Scheduled Maintenance Form lists the mileage, items serviced, the service interval, and amount of time required to perform the maintenance.

The Unscheduled Maintenance List along with related photographs is included in Section 5.7, Structural Durability. This list supplies information related to failures that occurred during the durability portion of testing. The Unscheduled Maintenance List includes the date and mileage at which the malfunction was detected, a description of the malfunction and repair, and the time required to perform the repair.

(Page 1 of 1)
SCHEDULED MAINTENANCE
 BraunAbility / The Braun Corporation Bus# 2020-03

DATE	TEST MILES	SERVICE	ACTIVITY	DOWN TIME	LABOR HOURS
07/16/20	1,164	P.M./Inspection	Steering linkage, tie rods, universals/u-joints all checked; all fluids checked. Inspected frame, body and suspension.	4.00	4.00
07/22/20	2,313	P.M./Inspection	Steering linkage, tie rods, universals/u-joints all checked; all fluids checked. Inspected frame, body and suspension.	4.00	4.00
07/28/20	3,168	P.M./Inspection	Steering linkage, tie rods, universals/u-joints all checked; all fluids checked. Inspected frame, body and suspension.	4.00	4.00
09/23/20	3,514	P.M./Inspection Fuel Economy	Steering linkage, tie rods, universals/u-joints all checked; all fluids checked. Inspected frame, body and suspension. Oil changed. Oil, fuel, and air filters changed. Transmission oil and filter changed.	8.00	8.00

1.3 REPLACEMENT AND/OR REPAIR OF SELECTED SUBSYSTEMS

1.3-I. TEST OBJECTIVE

The objective of this test is to establish the time required to replace and/or repair selected subsystems.

1.3-II. TEST DESCRIPTION

The test involved components that may be expected to fail or require replacement during the service life of the bus. In addition, any component that failed during testing of the bus was added to this list. Components to be included are:

1. Transmission
2. Alternator
3. Starter
4. Batteries
5. Windshield wiper motor

1.3-III. DISCUSSION

At the end of the test, the items on the list were removed and replaced. The transmission assembly took 8.75 labor-hours (2 persons @ 4.38 hrs.) to remove and replace. The engine and transmission had to be removed as one due to the impediment of the front subframe. The front seats and interior panel under the dash had to be removed to access the subframe bolts. The time required for repair/replacement of the other four components is given on the following Repair and/or Replacement Form.

REPLACEMENT AND/OR REPAIR FORM

Subsystem	Replacement Time
Transmission	8.75 labor hours
Wiper Motor	0.50 labor hours
Starter	1.00 labor hours
Alternator	1.25 labor hours
Batteries	0.50 labor hours

During the test, additional components were removed for repair or replacement and the details are available in Section 5.7 in *Unscheduled Maintenance*.

1.3 REPLACEMENT AND/OR REPAIR OF SELECTED SUBSYSTEMS



**TRANSMISSION REMOVAL AND REPLACEMENT
(8.75 LABOR HOURS)**



**WIPER MOTOR REMOVAL AND REPLACEMENT
(0.50 LABOR HOURS)**

**1.3 REPLACEMENT AND/OR REPAIR OF
SELECTED SUBSYSTEMS CONT.**



**STARTER REMOVAL AND REPLACEMENT
(1.00 LABOR HOURS)**



**ALTERNATOR REMOVAL AND REPLACEMENT
(1.25 LABOR HOURS)**

2. RELIABILITY - DOCUMENTATION OF BREAKDOWN AND REPAIR TIMES DURING TESTING

2-I. TEST OBJECTIVE

The objective of this test is to document unscheduled breakdowns, repairs, down time, and repair time that occur during testing.

2-II. TEST DESCRIPTION

Using the driver log and unscheduled work order forms, all significant breakdowns, repairs, labor-hours to repair, and hours out of service were recorded on the Reliability Data Form.

CLASS OF FAILURES

Classes of failures are described below:

- (a) Class 1: Physical Safety. A failure that could lead directly to Injury, a crash and/or significant physical damage.
- (b) Class 2: Road Call. A failure resulting in an en-route interruption of revenue service. Service is discontinued until the bus is replaced or repaired at the point of failure.
- (c) Class 3: Bus Change. A failure that requires removal of the bus from service during its assignments. The bus is operable to a rendezvous point with a replacement bus.
- (d) Class 4: Bad Order. A failure that does not require removal of the bus from service during its assignments but does degrade coach operation. The failure shall be reported by driver, inspector, or hostler.

2-III. DISCUSSION

A listing of breakdowns and unscheduled repairs was accumulated during the Structural Durability Test. The following Reliability Data Form lists all unscheduled repairs under classes as defined above.

The classification of repairs according to subsystem is intended to emphasize those systems which had persistent minor or more serious problems. There were no Class 1, Class 2, or Class 4 failures. There was only one Class 3 failure, which affected the electrical system. This failure is available for review in the Unscheduled Maintenance List, located in Section 5.7 Structural Durability.

This bus passed the Structural and Powertrain Durability sections of the test.

3.1 SAFETY - A DOUBLE-LANE CHANGE (OBSTACLE AVOIDANCE)

3.1-I. TEST OBJECTIVE

The objective of this test is to determine handling and stability of the bus by measuring speed through a double lane change test.

3.1-II. TEST DESCRIPTION

The Safety Test consisted of an obstacle avoidance maneuver to evaluate the handling and stability of the bus. The test was conducted at the LTI test track on the vehicle dynamics pad. The bus was driven through a double-lane change course at increasing speeds until the test was determined to be unsafe or a speed of 45 mph is reached. The test is determined unsafe if vehicle handling becomes unstable or if any of the tires lose contact with the pavement.

The layout of the test course was defined by placing pylons along painted guidelines that delineated the course. The guidelines marked off two 12-foot center-to-center lanes. Each lane had two 80 foot long gates with a spacing distance of 80 feet between them. The bus entered the test course in one lane, crossed over to the other lane within the 80 foot gate, traveled for 80 feet, and then returned back into the original lane within the next 80 foot gate. This maneuver was repeated from 20 mph with speed increasing in increments of 5 mph. The test was performed starting from both the right and left lanes.

A test run is considered valid if the bus is able to perform the maneuver at a constant speed without deviating from the test course or striking pylons. If the bus is not able to successfully complete the maneuver due to vehicle instability, the test will be terminated. The highest speed at which the maneuver can be successfully performed up to a maximum speed of 45 mph is recorded on the Safety Data Form.

3.1-III. DISCUSSION

The double-lane change was performed in both right-hand and left-hand directions. The bus was able to safely negotiate the test course in both the right-hand and left-hand directions up to the maximum test speed of 45 mph, and therefore, passed this portion of the test.

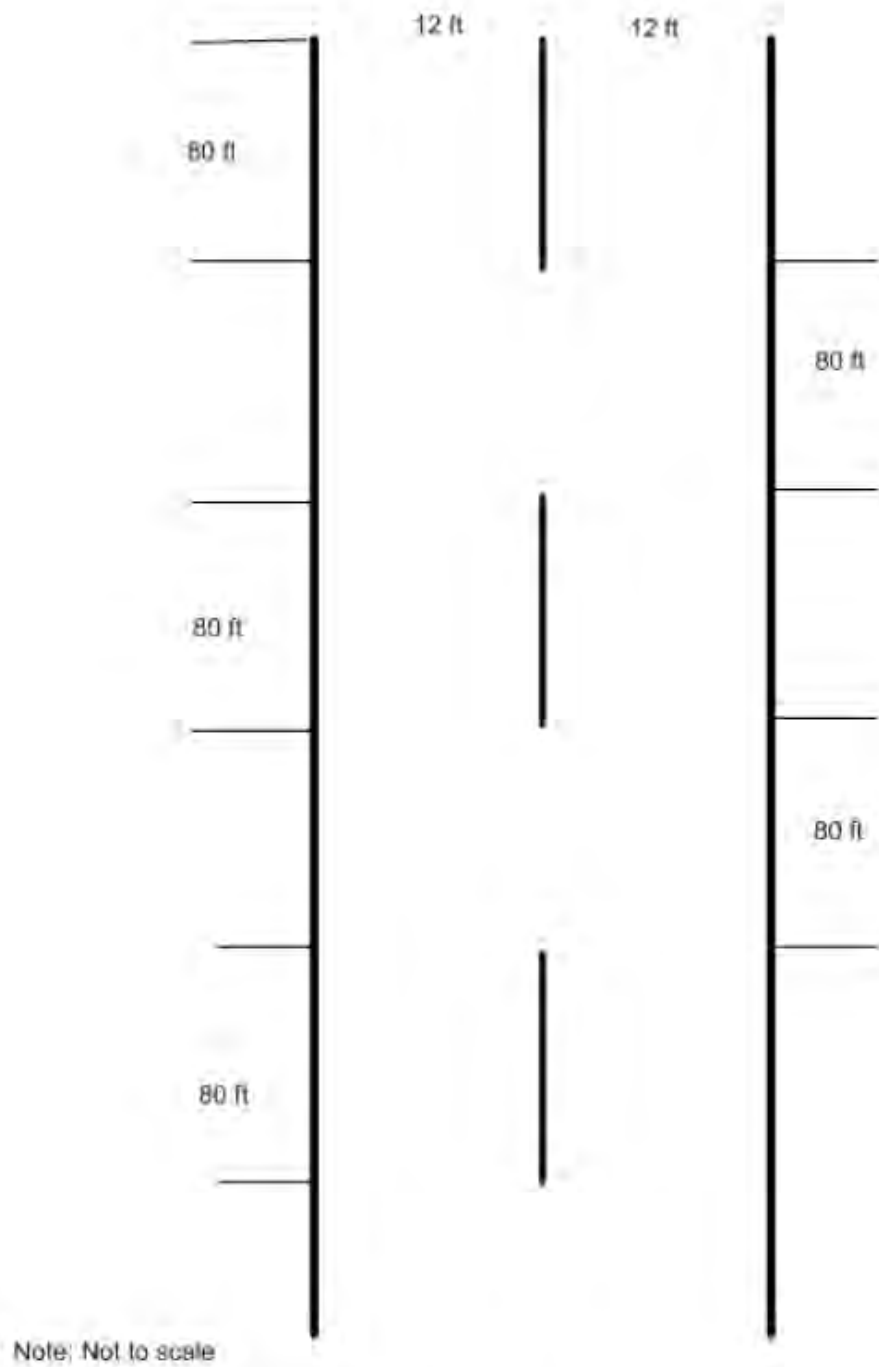


Figure 3.1. Double lane change test course.

SAFETY DATA FORM

Page 1 of 1

Bus Number: 2020-03	Date: 07/20/2020
Personnel: E.D., T.G. & F.T.	

Temperature (°F): 81	Humidity (%): 69
Wind Direction: West	Wind Speed (mph): 9
Barometric Pressure (inHg): 29.99	

SAFETY TEST: DOUBLE LANE CHANGE	
Maximum safe speed tested for double-lane change to left	45 mph
Maximum safe speed tested for double-lane change to right	45 mph
Comments of the position of the bus during the lane change:	
Bus maintained upright position during test.	
Comments of the tire/ground contact patch:	
Tire maintained contact with ground throughout test.	

3.1 SAFETY



RIGHT - HAND APPROACH



LEFT - HAND APPROACH

3.2 Safety - Braking

3.2 I. TEST OBJECTIVE

The objective of this test is to provide, for comparison purposes, braking performance data on transit buses produced by different manufacturers.

3.2 II. TEST DESCRIPTION

The testing was conducted at the LTI Test Track skid pad area. Brake tests were conducted after completion of the GVW portion of the vehicle durability test. At this point in testing the brakes have been subjected to a large number of braking snubs and will be considered well burnished. For buses that have not completed Durability Testing, the brakes will be burnished according to the test procedure. Testing was performed when the bus was fully loaded at its GVW. All tires on each bus were representative of the tires on the production model vehicle and inflated to the bus manufacturer's specified pressures.

The brake testing procedure is comprised of three phases:

1. Stopping distance tests
 - i. Dry surface (high-friction, Skid Number within the range of 70-76)
 - ii. Wet surface (low-friction, Skid Number within the range of 30-36)
2. Stability tests
3. Parking brake test

3.2-III. DISCUSSION

The results of the Stopping Distance phase of the Brake Test are available in table 3.2-2. There was no deviation from the test lane during the performance of the Stopping Distance phase. The bus passed this portion of the test.

During the Stability phase of Brake Testing the test bus experienced no deviation from the test lane during both approaches to the Split Friction Road surface.

The Parking Brake phase was completed with the test bus maintaining the parked position for the full five-minute period with no slip or roll observed in both the uphill and downhill positions.

This bus passed all three phases of the Safety –Braking Test.

Table 3.2-1. Braking Test Data Forms

Page 1 of 3

Bus Number: 2020-03	Date: 07/27/2020
Personnel: S.R., T.G. & E.D.	
Amb. Temperature (°F): 85	Wind Speed (mph): 10
Wind Direction: W	Pavement Temp (°F) Start: 105 End:126

TIRE INFLATION PRESSURE (psi):				
Tire Type: Front: Yokohama Avid S34 235 65 R17				
Rear: Yokohama Avid S34 235 65 R17				
	Left Tire(s)		Right Tire(s)	
Front	36		36	
	Inner	Outer	Inner	Outer
Middle	N/A	N/A	N/A	N/A
Rear	N/A	36	N/A	36

AXLE LOADS (lb.)		
	Left	Right
Front	1500	1390
Middle	N/A	N/A
Rear	1460	1480

**Table 3.2-2. Stopping Distance Test Results Form
(longest stopping distance in each test condition in bold)**

Stopping Distance (ft)					
Vehicle Direction	CW	CW	CCW	CCW	
Speed (mph)	Stop 1	Stop 2	Stop 3	Stop 4	Average
20 (dry)	20.59	21.48	18.40	19.87	20.09
30 (dry)	42.93	44.60	47.42	41.00	43.99
40 (dry)	62.71	66.48	67.83	71.34	67.09
45 (dry)	80.78	90.39	81.08	90.03	85.57
20 (wet)	20.72	20.23	21.12	23.45	21.38

Table 3.2-3. Stability Test Results Form

Stability Test Results (Split Friction Road surface)			
Vehicle Direction	Attempt	Did test bus stay in 12' lane? (Yes/No)	Comments
Driver side on high friction	1	Yes	None noted.
	2	Yes	None noted.
Driver side on low friction	1	Yes	None noted.
	2	Yes	None noted.

Table 3.2-4. Parking Brake Test Form

PARKING BRAKE (GVW) – GRADE HOLDING						
Vehicle Direction	Attempt	Hold Time (min)	Slide (in)	Roll (in)	Did Hold	No Hold
Front up	1	5:00	0	0	✓	
	2	N/A	N/A	N/A		
	3	N/A	N/A	N/A		
Front down	1	5:00	0	0	✓	
	2	N/A	N/A	N/A		
	3	N/A	N/A	N/A		

Table 3.2-5. Record of All Braking System Faults/Repairs.

Date	Fault/Repair	Description
07/27/2020	None noted	None noted

3.2 Safety - Bus Braking



**PARKING BRAKE TEST
PARKING BRAKE HELD FOR 5 MINUTES IN
BOTH 20% UP AND 20% DOWN POSITIONS**



4. PERFORMANCE - AN ACCELERATION, GRADEABILITY, AND TOP SPEED TEST

4-I. TEST OBJECTIVE

The objective of this test is to determine the acceleration, gradeability, and top speed capabilities of the bus.

4-II. TEST DESCRIPTION

In this test, the bus was operated at SLW on a chassis dynamometer. The procedure dictates that the test bus be accelerated to a maximum “power-limited”/“governed” or maximum “safe” speed not exceeding 80 mph. The maximum power-limited/governed speed, if applicable, is the top speed as limited by the engine control system. The maximum safe speed is defined as the maximum speed that the dynamometer, the tires or other bus components are limited to. The test vehicle speed was measured using a speed encoder built in the chassis dynamometer. The time intervals between 10 mph increments were recorded using a Data Acquisitions System. Time-speed data and the top speed attained were recorded on the Performance Data Form. The recorded data was used to generate a percent grade versus speed table and a speed versus time curve. All the above are available in the following pages.

4-III. DISCUSSION

This test consisted of three runs from standstill to full throttle on the chassis dynamometer. Speed versus time data was obtained for each run and results are averaged to minimize test variability. The test was performed up to a maximum safe speed of 81.4 mph. The calculated gradeability results are attached. The average time to reach 30 mph was 3.2 seconds. The maximum gradeability at 10 mph was 41.8% and at 40 mph was 22.8%. This bus passed this section of the test.

PERFORMANCE DATA FORM

Page 1 of 1

Bus Number: 2020-03		Date: 09/28/2020	
Personnel: M.R. & S.I.			
Temperature (°F): 80		Humidity (%): 56.6	
Barometric Pressure (inHg): 28.6			
		INITIALS:	
Air Conditioning - OFF	✓Checked	M.R.	
Heater pump motor - OFF	✓Checked	M.R.	
Defroster - OFF	✓Checked	M.R.	
Exterior and interior lights - ON	✓Checked	M.R.	
Windows and doors - CLOSED	✓Checked	M.R.	
ACCELERATION, GRADEABILITY, TOP SPEED			
Recorded Interval Times			
Speed	Run 1	Run 2	Run 3
10 mph	2.1	1.9	1.8
20 mph	3.2	3.1	3.1
30 mph	4.5	4.4	4.5
40 mph	6.1	6.1	6.2
50 mph	8.2	8.2	8.4
60 mph	10.7	10.8	11.0
70 mph	14.3	14.4	14.6

Maximum Speed (mph): 81.4(maximum safe dynamometer speed reached)

PERFORMANCE SUMMARY SHEET

Bus Number: 2020-03	Date: 09/28/2020
Personnel: M.R. & S.I.	

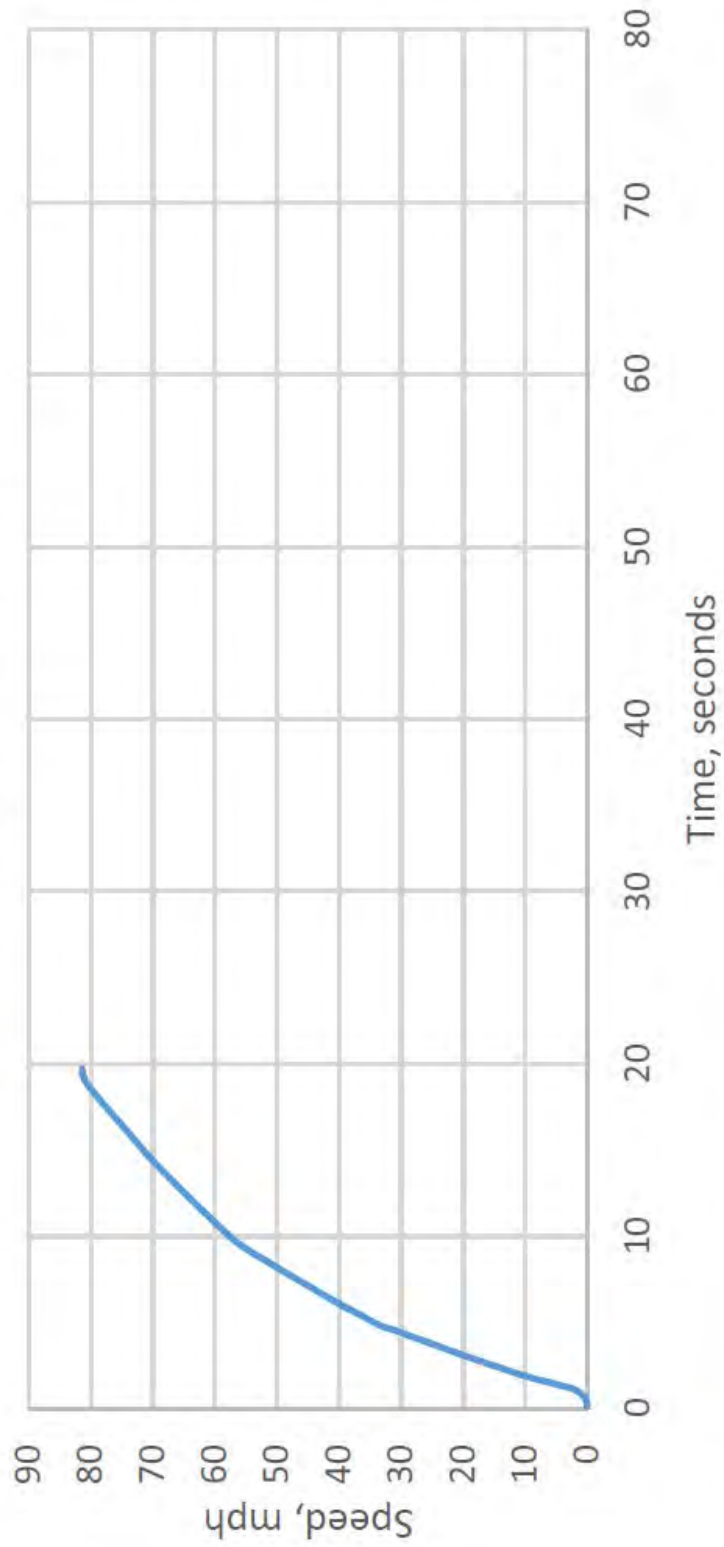
Test Conditions:

Temperature (°F): 80	Humidity (%): 56.6
Barometric Pressure (inHg): 28.6	

Test Results:

Vehicle Speed (MPH)	Time (SEC)	Acceleration (FT/SEC^2)	Max. Grade (%)
1.0	0.9	7.64	23.7
5.0	1.5	12.61	39.2
10.0	1.9	13.46	41.8
15.0	2.5	12.42	38.6
20.0	3.1	11.65	36.2
25.0	3.8	11.24	34.9
30.0	3.2	11.55	35.9
35.0	3.6	11.25	34.9
40.0	6.1	7.35	22.8
45.0	7.2	7.00	21.7
50.0	8.2	6.81	21.1
55.0	9.3	5.97	18.5
60.0	10.8	4.36	13.5
65.0	12.6	4.07	12.6
70.0	14.4	3.77	11.7
75.0	16.5	3.52	10.9
80.0	18.6	2.84	8.8
81.4	19.7	Maximum Speed	

BraunAbility Bus# 2020-03



5.2 STRUCTURAL STRENGTH AND DISTORTION TESTS - STRUCTURAL DISTORTION

5.2-I. TEST OBJECTIVE

The objective of this test is to observe the operation of the bus subsystems when the bus is placed in a longitudinal twist simulating operation over a curb or through a pothole.

5.2-II. TEST DESCRIPTION

With the bus loaded to GVW, each wheel of the bus was raised (one at a time) to simulate operation over a curb and the following were inspected:

1. Body
2. Windows
3. Doors
4. Roof vents
5. Special seating
6. Undercarriage
7. Engine
8. Service doors
9. Escape hatches
10. Steering mechanism

Each wheel was then lowered (one at a time) to simulate operation through a pothole and the same items inspected.

5.2-III. DISCUSSION

The test sequence was repeated ten times. The first and last test is with all wheels level. The other eight tests are with each wheel 6 inches higher and 6 inches lower than the other three wheels.

All doors, windows, escape mechanisms, engine, steering and ADA accessible devices operated normally throughout the test. The undercarriage and body indicated no deficiencies. No water leakage was observed during the test. The results of this test are indicated on the following data forms. This bus passed this section of the test.

DISTORTION TEST INSPECTION FORM

(Note: Ten copies of this data sheet are required)

Page 1 of 10

Bus Number: 2020-03	Date: 07/07/2020
Personnel: S.R., T.G. & E.L.	Temperature(°F): 80

Wheel Position: (check one)		
All wheels level	<input checked="" type="checkbox"/> before	<input type="checkbox"/> after
Left front	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right front	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right rear	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left rear	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower

	Comments
Windows	No deficiencies.
Front Doors	No deficiencies.
Rear Doors	No deficiencies.
Escape Mechanisms/ Roof Vents	No deficiencies.
Engine	No deficiencies.
ADA Accessible/ Special Seating	No deficiencies.
Undercarriage	No deficiencies.
Service Doors	No deficiencies.
Body	No deficiencies.
Windows/ Body Leakage	No deficiencies.
Steering Mechanism	No deficiencies.

DISTORTION TEST INSPECTION FORM

(Note: Ten copies of this data sheet are required)

Page 2 of 10

Bus Number: 2020-03	Date: 07/07/2020
Personnel: S.R., E.L. & T.G.	Temperature(°F): 80

Wheel Position: (check one)		
All wheels level	<input type="checkbox"/> before	<input type="checkbox"/> after
Left front	<input checked="" type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right front	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right rear	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left rear	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower

	Comments
Windows	No deficiencies.
Front Doors	No deficiencies.
Rear Doors	No deficiencies.
Escape Mechanisms/ Roof Vents	No deficiencies.
Engine	No deficiencies.
ADA Accessible/ Special Seating	No deficiencies.
Undercarriage	No deficiencies.
Service Doors	No deficiencies.
Body	No deficiencies.
Windows/ Body Leakage	No deficiencies.
Steering Mechanism	No deficiencies.

DISTORTION TEST INSPECTION FORM
 (Note: Ten copies of this data sheet are required)
 Page 3 of 10

Bus Number: 2020-03	Date: 07/07/2020
Personnel: S.R., E.L. & T.G.	Temperature(°F): 80

Wheel Position: (check one)		
All wheels level	<input type="checkbox"/> before	<input type="checkbox"/> after
Left front	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right front	<input checked="" type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right rear	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left rear	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower

	Comments
Windows	No deficiencies.
Front Doors	No deficiencies.
Rear Doors	No deficiencies.
Escape Mechanisms/ Roof Vents	No deficiencies.
Engine	No deficiencies.
ADA Accessible/ Special Seating	No deficiencies.
Undercarriage	No deficiencies.
Service Doors	No deficiencies.
Body	No deficiencies.
Windows/ Body Leakage	No deficiencies.
Steering Mechanism	No deficiencies.

DISTORTION TEST INSPECTION FORM

(Note: Ten copies of this data sheet are required)

Page 4 of 10

Bus Number: 2020-03	Date: 07/07/2020
Personnel: S.R., E.L. & T.G.	Temperature(°F): 80

Wheel Position: (check one)		
All wheels level	<input type="checkbox"/> before	<input type="checkbox"/> after
Left front	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right front	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right rear	<input checked="" type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left rear	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower

	Comments
Windows	No deficiencies.
Front Doors	No deficiencies.
Rear Doors	No deficiencies.
Escape Mechanisms/ Roof Vents	No deficiencies.
Engine	No deficiencies.
ADA Accessible/ Special Seating	No deficiencies.
Undercarriage	No deficiencies.
Service Doors	No deficiencies.
Body	No deficiencies.
Windows/ Body Leakage	No deficiencies.
Steering Mechanism	No deficiencies.

DISTORTION TEST INSPECTION FORM

(Note: Ten copies of this data sheet are required)

Page 5 of 10

Bus Number: 2020-03	Date: 07/07/2020
Personnel: S.R., E.L. & T.G.	Temperature(°F): 80

Wheel Position: (check one)		
All wheels level	<input type="checkbox"/> before	<input type="checkbox"/> after
Left front	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right front	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right rear	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left rear	<input checked="" type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower

	Comments
Windows	No deficiencies.
Front Doors	No deficiencies.
Rear Doors	No deficiencies.
Escape Mechanisms/ Roof Vents	No deficiencies.
Engine	No deficiencies.
ADA Accessible/ Special Seating	No deficiencies.
Undercarriage	No deficiencies.
Service Doors	No deficiencies.
Body	No deficiencies.
Windows/ Body Leakage	No deficiencies.
Steering Mechanism	No deficiencies.

DISTORTION TEST INSPECTION FORM

(Note: Ten copies of this data sheet are required)

Page 6 of 10

Bus Number: 2020-03	Date: 07/07/2020
Personnel: S.R., E.L. & T.G.	Temperature(°F): 80

Wheel Position: (check one)		
All wheels level	<input type="checkbox"/> before	<input type="checkbox"/> after
Left front	<input type="checkbox"/> 6 in higher	<input checked="" type="checkbox"/> 6 in lower
Right front	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right rear	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left rear	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower

	Comments
Windows	No deficiencies.
Front Doors	No deficiencies.
Rear Doors	No deficiencies.
Escape Mechanisms/ Roof Vents	No deficiencies.
Engine	No deficiencies.
ADA Accessible/ Special Seating	No deficiencies.
Undercarriage	No deficiencies.
Service Doors	No deficiencies.
Body	No deficiencies.
Windows/ Body Leakage	No deficiencies.
Steering Mechanism	No deficiencies.

DISTORTION TEST INSPECTION FORM

(Note: Ten copies of this data sheet are required)

Page 7 of 10

Bus Number: 2020-03	Date: 07/07/2020
Personnel: S.R., E.L. & T.G.	Temperature(°F): 80

Wheel Position: (check one)		
All wheels level	<input type="checkbox"/> before	<input type="checkbox"/> after
Left front	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right front	<input type="checkbox"/> 6 in higher	<input checked="" type="checkbox"/> 6 in lower
Right rear	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left rear	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower

	Comments
Windows	No deficiencies.
Front Doors	No deficiencies.
Rear Doors	No deficiencies.
Escape Mechanisms/ Roof Vents	No deficiencies.
Engine	No deficiencies.
ADA Accessible/ Special Seating	No deficiencies.
Undercarriage	No deficiencies.
Service Doors	No deficiencies.
Body	No deficiencies.
Windows/ Body Leakage	No deficiencies.
Steering Mechanism	No deficiencies.

DISTORTION TEST INSPECTION FORM

(Note: Ten copies of this data sheet are required)

Page 8 of 10

Bus Number: 2020-03	Date: 07/07/2020
Personnel: S.R., E.L. & T.G.	Temperature(°F): 80

Wheel Position: (check one)		
All wheels level	<input type="checkbox"/> before	<input type="checkbox"/> after
Left front	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right front	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right rear	<input type="checkbox"/> 6 in higher	<input checked="" type="checkbox"/> 6 in lower
Left rear	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower

	Comments
Windows	No deficiencies.
Front Doors	No deficiencies.
Rear Doors	No deficiencies.
Escape Mechanisms/ Roof Vents	No deficiencies.
Engine	No deficiencies.
ADA Accessible/ Special Seating	No deficiencies.
Undercarriage	No deficiencies.
Service Doors	No deficiencies.
Body	No deficiencies.
Windows/ Body Leakage	No deficiencies.
Steering Mechanism	No deficiencies.

DISTORTION TEST INSPECTION FORM

(Note: Ten copies of this data sheet are required)

Page 9 of 10

Bus Number: 2020-03	Date: 07/07/2020
Personnel: S.R., E.L. & T.G.	Temperature(°F): 80

Wheel Position: (check one)		
All wheels level	<input type="checkbox"/> before	<input type="checkbox"/> after
Left front	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right front	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right rear	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left rear	<input type="checkbox"/> 6 in higher	<input checked="" type="checkbox"/> 6 in lower
Right center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower

	Comments
Windows	No deficiencies.
Front Doors	No deficiencies.
Rear Doors	No deficiencies.
Escape Mechanisms/ Roof Vents	No deficiencies.
Engine	No deficiencies.
ADA Accessible/ Special Seating	No deficiencies.
Undercarriage	No deficiencies.
Service Doors	No deficiencies.
Body	No deficiencies.
Windows/ Body Leakage	No deficiencies.
Steering Mechanism	No deficiencies.

DISTORTION TEST INSPECTION FORM

(Note: Ten copies of this data sheet are required)

Page 10 of 10

Bus Number: 2020-03	Date: 07/07/2020
Personnel: S.R., E.L. & T.G.	Temperature(°F): 80

Wheel Position: (check one)		
All wheels level	<input type="checkbox"/> before	<input checked="" type="checkbox"/> after
Left front	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right front	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right rear	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left rear	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower

	Comments
Windows	No deficiencies.
Front Doors	No deficiencies.
Rear Doors	No deficiencies.
Escape Mechanisms/ Roof Vents	No deficiencies.
Engine	No deficiencies.
ADA Accessible/ Special Seating	No deficiencies.
Undercarriage	No deficiencies.
Service Doors	No deficiencies.
Body	No deficiencies.
Windows/ Body Leakage	No deficiencies.
Steering Mechanism	No deficiencies.

5.2 STRUCTURAL DISTORTION TEST



LEFT FRONT WHEEL SIX INCHES HIGHER



RIGHT FRONT WHEEL SIX INCHES LOWER

5.3 STRUCTURAL STRENGTH AND DISTORTION TESTS - STATIC TOWING TEST

5.3-I. TEST OBJECTIVE

The objective of this test is to determine the characteristics of the bus towing mechanisms under static loading conditions.

5.3-II. TEST DESCRIPTION

Utilizing a load-distributing yoke, a hydraulic cylinder was used to apply a static tension load equal to 1.2 times the bus curb weight. The load was applied to both the front and rear, if applicable, towing fixtures at an angle of 20 degrees with the longitudinal axis of the bus, first to one side then the other in the horizontal plane, and then upward and downward in the vertical plane. Any permanent deformation or damage to the tow eyes or adjoining structure was recorded.

5.3-III. DISCUSSION

The test bus submitted for testing was not equipped with any type of tow eyes or tow hooks. Therefore, the static towing test was not performed. This bus is deemed to pass this section of the test, but no points were allotted for this section.

5.4 STRUCTURAL STRENGTH AND DISTORTION TESTS - DYNAMIC TOWING TEST

5.4-I. TEST OBJECTIVE

The objective of this test is to verify the integrity of the towing fixtures and determine the feasibility of towing the bus under manufacturer specified procedures.

5.4-II. TEST DESCRIPTION

This test required the bus to be towed at curb weight using the specified equipment and instructions provided by the manufacturer and a heavy-duty wrecker. The bus was towed for 5 miles at a speed of 20 mph for each recommended towing configuration. After releasing the bus from the wrecker, the bus was visually inspected for any structural damage or permanent deformation. All doors, windows and passenger escape mechanisms were inspected for proper operation.

5.4-III. DISCUSSION

The bus was towed using a heavy-duty wrecker. The towing interface was accomplished by incorporating a hydraulic under-lift. A front lift tow was performed. No problems, deformation, or damage was noted during testing. This bus passed this section of the test.

DYNAMIC TOWING TEST DATA FORM

Page 1 of 1

Bus Number: 2020-03	Date: 08/13/2020
Personnel: S.R. & E.D.	

Temperature (°F): 82	
Wind Direction: South	Wind Speed (mph): 2

Inspect tow equipment-bus interface.
Comments: An adequate connection was made using a wheel lift.
Inspect tow equipment-wrecker interface.
Comments: An adequate connection between tow equipment and wrecker was noted.
Towing Comments: A full tow was accomplished.
Description and location of any structural damage: None noted.
General Comments: None noted.

5.4 DYNAMIC TOWING TEST



TOWING INTERFACE



TEST BUS IN TOW

5.5 STRUCTURAL STRENGTH AND DISTORTION TESTS – JACKING TEST

5.5-I. TEST OBJECTIVE

The objective of this test is to inspect for damage due to the deflated tire and determine the feasibility of jacking the bus with a portable hydraulic jack to a height sufficient to replace a deflated tire.

5.5-II. TEST DESCRIPTION

With the bus at curb weight, the tire(s) at one corner of the bus were replaced with deflated tire(s) of the appropriate type. A portable hydraulic floor jack was then positioned in a manner and location specified by the manufacturer and used to raise the bus to a height sufficient to provide 3-in clearance between the floor and an inflated tire. The deflated tire(s) were replaced with the original tire(s) and the jack was lowered. Any structural damage or permanent deformation was recorded on the test data sheet. This procedure was repeated for each corner of the bus.

5.5-III. DISCUSSION

During the deflated portion of the test, the jacking point clearances ranged from 4.9 inches to 7.3 inches. No deformation or damage was observed during testing. A complete listing of jacking point clearances is provided in the Jacking Test Data Form. This bus passed this section of the test.

JACKING CLEARANCE SUMMARY

Condition	Frame Point Clearance
Front axle – one tire flat	5.1
Rear axle – one tire flat	6.6
Rear axle – two tires flat	N/A

JACKING TEST DATA FORM

Page 1 of 1

Bus Number: 2020-03	Date: 03/20/20
Personnel: S.R. & E.D.	Temperature (°F): 69

Record any permanent deformation or damage to bus as well as any difficulty encountered during jacking procedure.

I= Inflated D= Deflated

Deflated Tire	Jacking Pad Clearance Body/Frame (in)	Jacking Pad Clearance Axle/Suspension (in)	Comments
Right front	7.4" I 5.4" D	8.1" I 6.5" D	Body & Suspension
Left front	7.3" I 5.1" D	8.1" I 6.2" D	Body & Suspension
Right rear	8.5" I 6.6" D	6.5" I 4.9" D	Body & Suspension
Left rear	9.0" I 7.3" D	6.7" I 5.2" D	Body & Suspension
Left rear—outside	N/A	N/A	N/A
Left rear—both	N/A	N/A	N/A
Right middle or tag—outside	N/A	N/A	N/A
Right middle or tag—both	N/A	N/A	N/A
Left middle or tag—outside	N/A	N/A	N/A
Left middle or tag—both	N/A	N/A	N/A

Additional comments of any deformation or difficulty during jacking:

None noted.

5.5 JACKING TEST



FRONT JACK IN PLACE



REAR JACK IN PLACE

5.6 STRUCTURAL STRENGTH AND DISTORTION TESTS - HOISTING TEST

5.6-I. TEST OBJECTIVE

The objective of this test is to determine possible damage or deformation caused by the jack/stands.

5.6-II. TEST DESCRIPTION

With the bus at curb weight, the front end of the bus was raised to a height sufficient to allow manufacturer-specified placement of jack stands under the axles or jacking pads independent of the hoist system. The bus was checked for stability on the jack stands and for any damage to the jacking pads or bulkheads. The procedure was repeated for the tag/middle axles (if equipped), and rear end of the bus. The procedure was then repeated for the front, tag/middle (if equipped) axles, and rear simultaneously.

5.6-III. DISCUSSION

The test was conducted using four posts of a six-post electric lift and 19-inch jack stands. The bus was hoisted from the front wheels, then from the rear wheels, and then from the front and rear wheels simultaneously and placed on jack stands.

The bus accommodated the placement of the vehicle lifts and jack stands and the procedure was performed without any instability noted. This bus passed this section of the test.

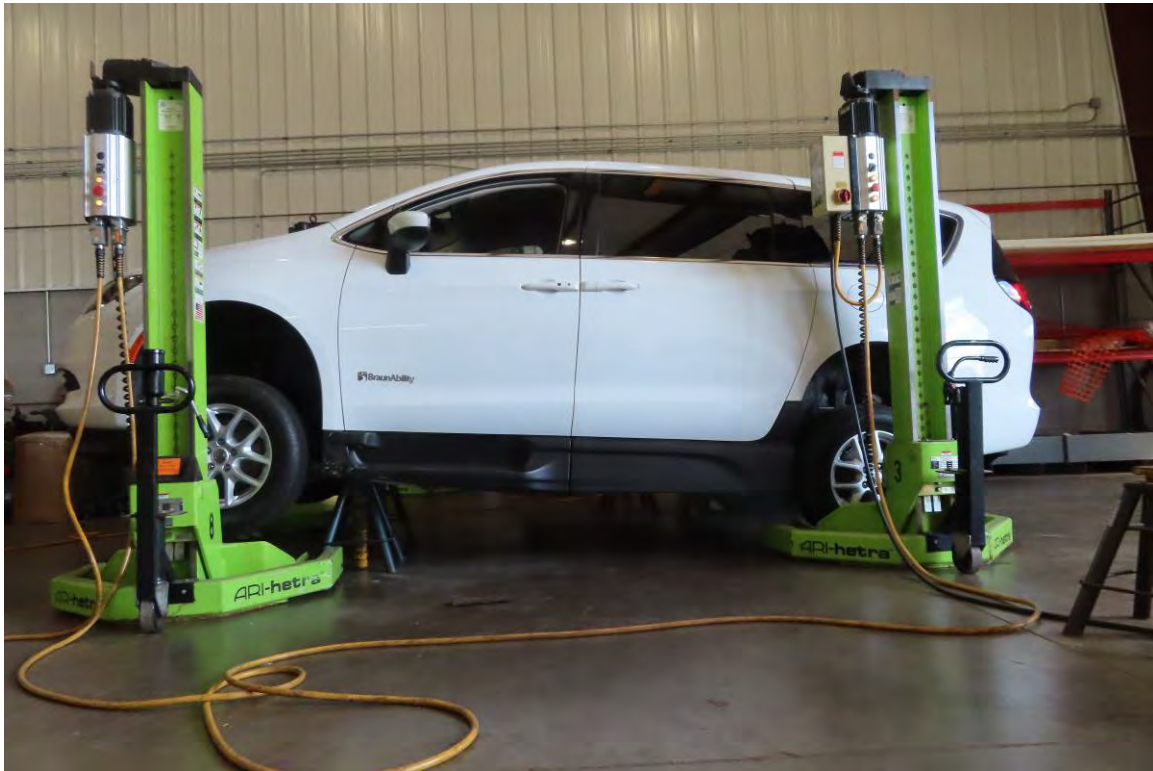
HOISTING TEST DATA FORM

Page 1 of 1

Bus Number: 2020-03	Date: 03/20/20
Personnel: E.D. & E.L.	Temperature (°F): 69

Comments of any structural damage to the jacking pads or axles while both the front wheels are supported by the jack stands:
None noted.
Comments of any structural damage to the jacking pads or axles while both the rear wheels are supported by the jack stands:
None noted.
Comments of any structural damage to the jacking pads or axles while both the tag axle wheels are supported by the jack stands:
N/A
Comments of any structural damage to the jacking pads or axles while the front, tag axle and rear wheels are supported by the jack stands:
None noted.
Comments of any problems or interference placing wheel hoists under wheels:
None noted.

5.6 HOISTING TEST



FRONT JACK STANDS IN PLACE



FRONT AND REAR JACK STANDS IN PLACE

5.7 STRUCTURAL DURABILITY TEST

5.7-I. TEST OBJECTIVE

The objective of this test is to perform an accelerated durability test that approximates 25 percent of the service life of the vehicle.

5.7-II. TEST DESCRIPTION

The test vehicle was driven a total of 3,800 miles; approximately 2,500 miles on the LTI Durability Test Track and approximately 1,300 miscellaneous other miles. The test was conducted with the bus operated under three different loading conditions. The first segment consisted of approximately 1,700 miles with the bus operated at GVW. The second segment consisted of approximately 600 miles with the bus operated at SLW. The remainder of the test, approximately 1,500 miles, was conducted with the bus loaded to CW. The loads on both axles and GVW were within their ratings with the bus loaded as specified by the manufacturer. All subsystems were running during these tests in their normal operating modes. All manufacturer-recommended servicing was followed and noted on the vehicle maintainability log. Servicing items accelerated by the durability tests were compressed by 10:1; all others were done on a 1:1 mi/mi basis. Unscheduled breakdowns and repairs were recorded on the same log as are any unusual occurrences as noted by the driver. Once a week the test vehicle was washed down and thoroughly inspected for any signs of failure.

5.7-III. DISCUSSION

The Structural Durability Test was started on July 13, 2020 and was conducted until October 2, 2020. The first 1,700 miles were performed at a GVW of 5,830 lb. and completed on July 20, 2020. The next 600-mile SLW segment was performed at 5,830 lb. and completed on July 22, 2020 and the final 1,500-mile segment was performed at a CW of 4,460 lb. and completed on October 2, 2020.

The following mileage summary presents the accumulation of miles during the Structural Durability Test. The driving schedule is included, showing the operating duty cycle. A detailed plan view of the LTI Test Track Facility and Durability Test Track are attached for reference. Also, a durability element profile detail shows all the measurements of the different conditions. Finally, photographs illustrating some of the failures that were encountered during the Structural Durability Test are included. This bus passed this section of the test, as there were no uncorrected Class 1 or Class 2 failures, and the unscheduled maintenance of 0.25 hours was less than 125 hours.

BraunAbility / The Braun Corporation Bus # 2020-03
MILEAGE DRIVEN/RECORDED FROM DRIVER'S LOGS

DATE	TOTAL DURABILITY TRACK	TOTAL OTHER MILES	TOTAL
07/13/20 TO 07/19/20	1000.00	440.00	1440.00
07/20/20 TO 07/26/20	1025.00	394.00	1419.00
07/27/20 TO 08/02/20	475.00	179.00	654.00
08/03/20 TO 08/09/20	0.00	0.00	0.00
08/10/20 TO 08/16/20	0.00	0.00	0.00
08/17/20 TO 08/23/20	0.00	0.00	0.00
08/24/20 TO 08/30/20	0.00	0.00	0.00
08/31/20 TO 09/06/20	0.00	0.00	0.00
09/07/20 TO 09/13/20	0.00	0.00	0.00
09/14/20 TO 9/20/2020	0.00	0.00	0.00
09/21/20 TO 09/27/20	0.00	0.00	0.00
09/28/20 TO 10/4/2020	0.00	309.00	309.00
Total	2500.00	1322.00	3822.00

Driving Schedule for Bus Operation on the Durability Test Track.

STANDARD OPERATING SCHEDULE

Monday through Friday

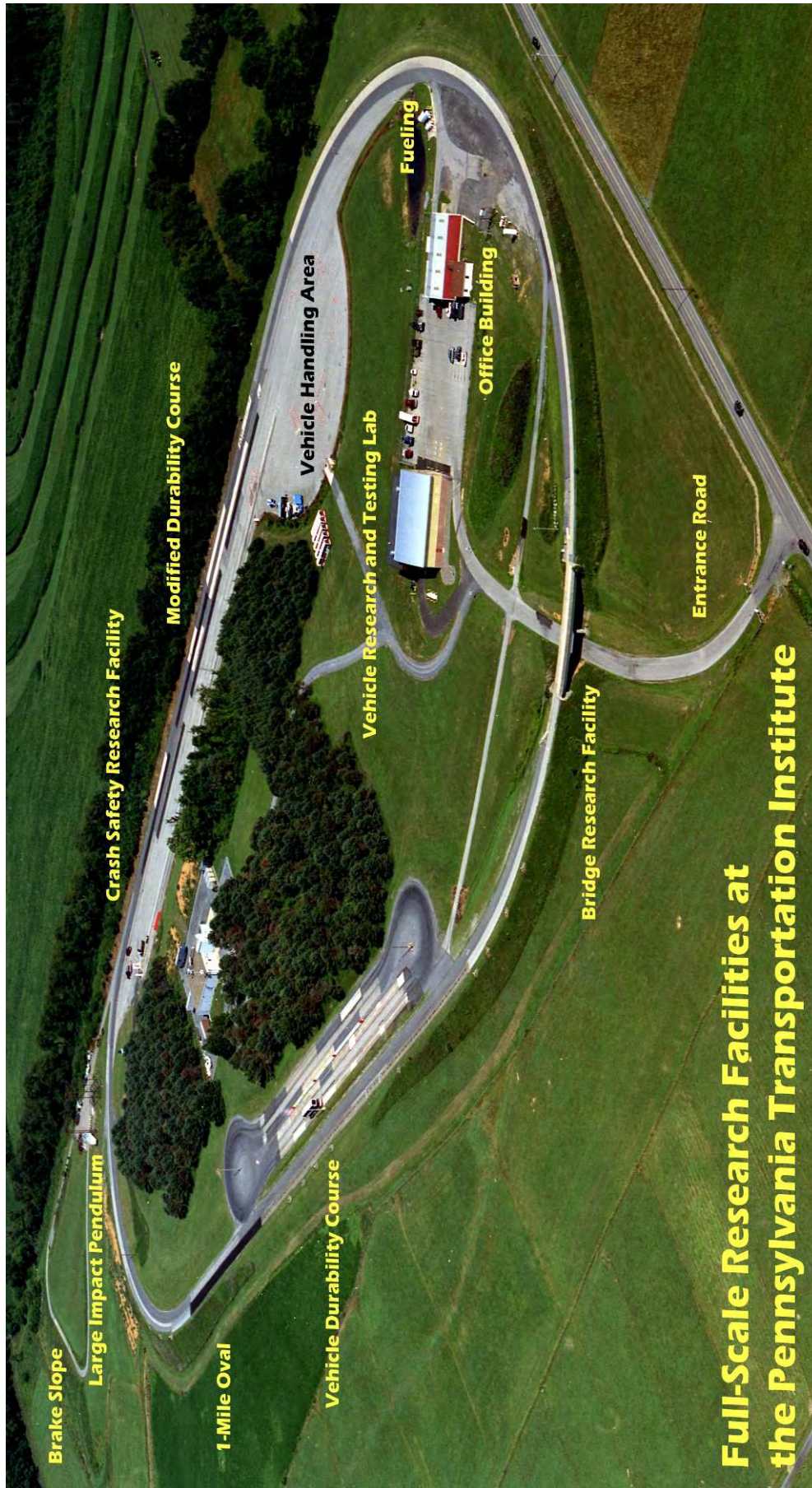
	HOUR	ACTION	
Shift 1	midnight	D	
	1:40 am	C	
	1:50 am	B	
	2:00 am	D	
	3:35 am	C	
	3:45 am	B	
	4:05 am	D	
	5:40 am	C	
	5:50 am	B	
	6:00 am	D	
	7:40 am	C	
	7:50 am	F	
	Shift 2	8:00 am	D
		9:40 am	C
9:50 am		B	
10:00 am		D	
11:35 am		C	
11:45 am		B	
12:05 pm		D	
1:40 pm		C	
1:50 pm		B	
2:00 pm		D	
3:40 pm		C	
3:50 pm		F	
Shift 3		4:00 pm	D
		5:40 pm	C
	5:50 pm	B	
	6:00 pm	D	
	7:40 pm	C	
	7:50 pm	B	
	8:05 pm	D	
	9:40 pm	C	
	9:50 pm	B	
	10:00 pm	D	
	11:40 pm	C	
	11:50 pm	F	

B—Break

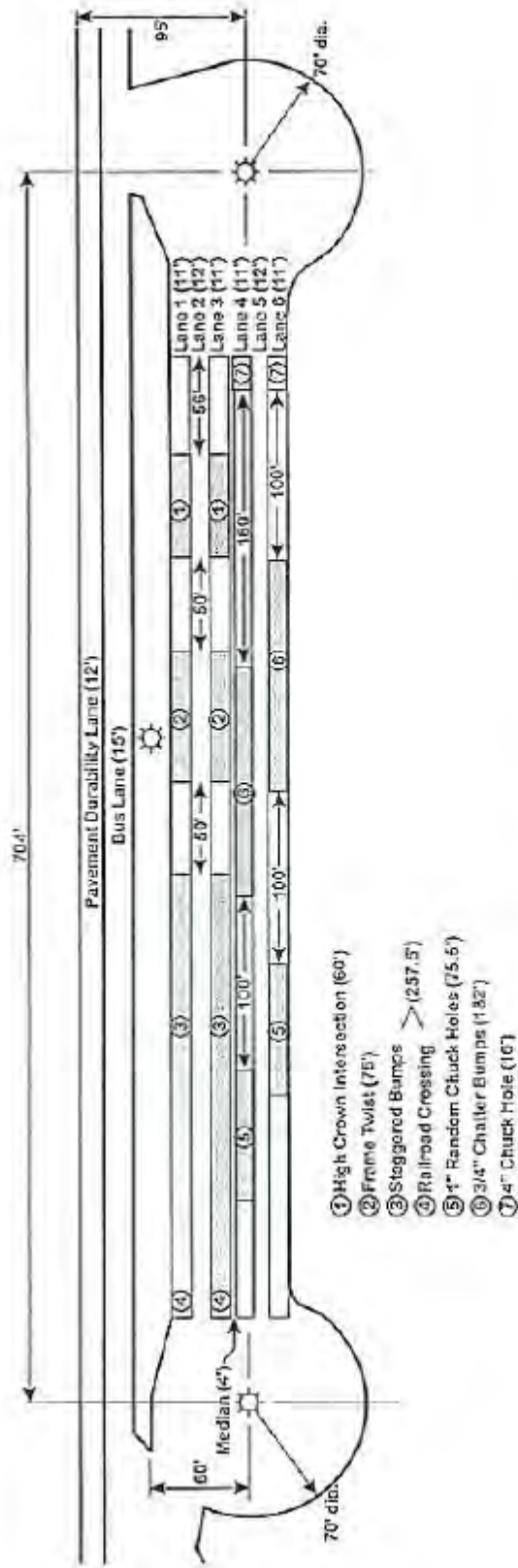
C—Cycle all systems five times, visual inspection, driver's log entries

D—Drive bus as specified by procedure

F—Fuel bus, complete driver's log shift entries



Full-Scale Research Facilities at the Pennsylvania Transportation Institute



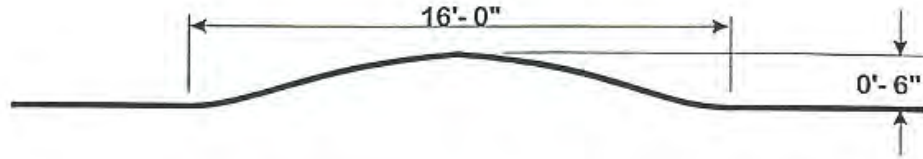
Plan View

Vehicle Durability Test Track

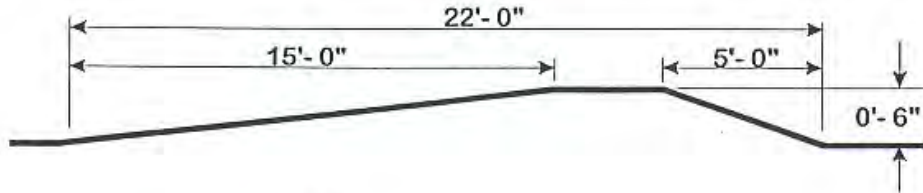
Track 1 (Track 2 has similar layout)

The Larson Transportation Institute
Penn State

Staggered
Bumps
(10 mph)



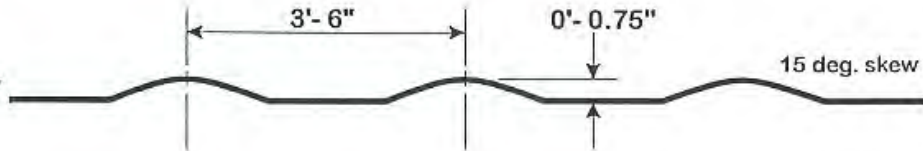
Railroad
Crossing
(8 mph)



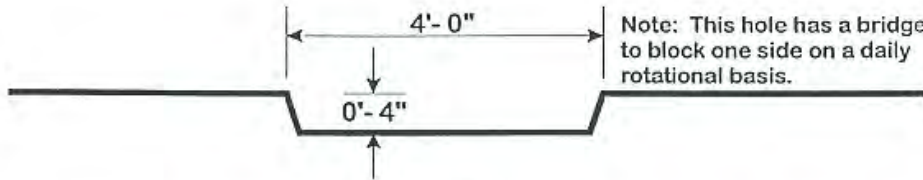
1" Random
Chuck Holes
(20 mph)



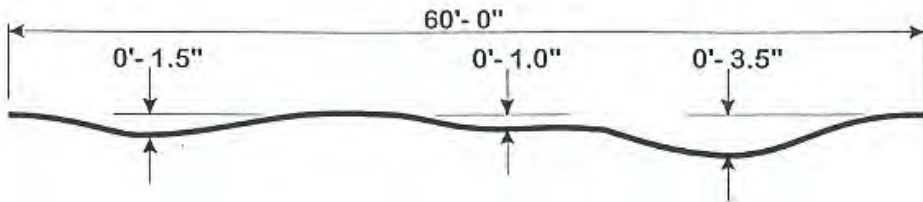
Chatter Bumps
(20 mph)



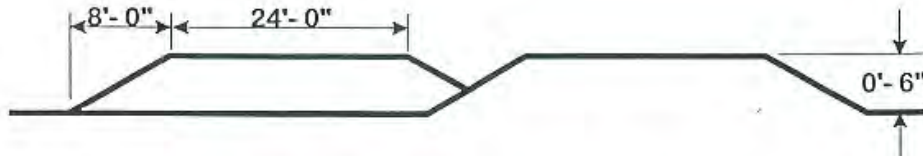
4" Chuck Hole
(5 mph)



High Crown
Intersection
(20 mph)



Frame Twist
(10 mph)



Durability Element Profiles

The Pennsylvania Transportation Institute
Penn State

UNSCHEDULED MAINT.



**“STOP/START” LIGHT AND “INACTIVE STABILITY CONTROL” LIGHTS ON
(742 - 3,459 TEST MILES)**

6. FUEL ECONOMY TEST - A FUEL CONSUMPTION TEST USING AN APPROPRIATE OPERATING CYCLE

6-I. TEST OBJECTIVE

The objective of this test is to provide accurate comparable fuel consumption data on transit buses produced by different manufacturers. This fuel economy test bears no relation to the calculations done by the Environmental Protection Agency (EPA) to determine levels for the Corporate Average Fuel Economy Program. EPA's calculations are based on tests conducted under laboratory conditions intended to simulate city and highway driving. This fuel economy test, as designated here, is a measurement of the fuel expended by a vehicle traveling a specified test operating profile, under specified operating conditions that are typical of transit bus operation. The results of this test may not represent actual mileage in transit service but will provide data that can be used by FTA Grantees to compare the efficiency of buses tested using this procedure.

6-II. TEST DESCRIPTION

This test was performed in the emissions bay of the LTI Vehicle Testing Laboratory. The Laboratory is equipped with a Schenk Pegasus 300 HP, large-roll (72-inch diameter) chassis dynamometer suitable for heavy-vehicle emissions testing. The driving cycles are the Manhattan cycle, a low average speed, highly transient urban cycle (Figure 1), the Orange County Bus Cycle, a medium average speed transient urban cycle (Figure 2), and the EPA HD-UDDS Cycle, which consists of urban and highway driving segments (Figure 3). A fuel economy test was comprised of two runs for the three different driving cycles, and the average value was reported.

The test procedure for liquid-fueled buses such as this one uses a calibrated flowmeter system and/or a calibrated fuel weighing scale. The flowmeter system utilizes a precise four-piston positive displacement flow meter. The weighing scale system includes heat exchangers to maintain temperature in diesel and common-rail injection systems.

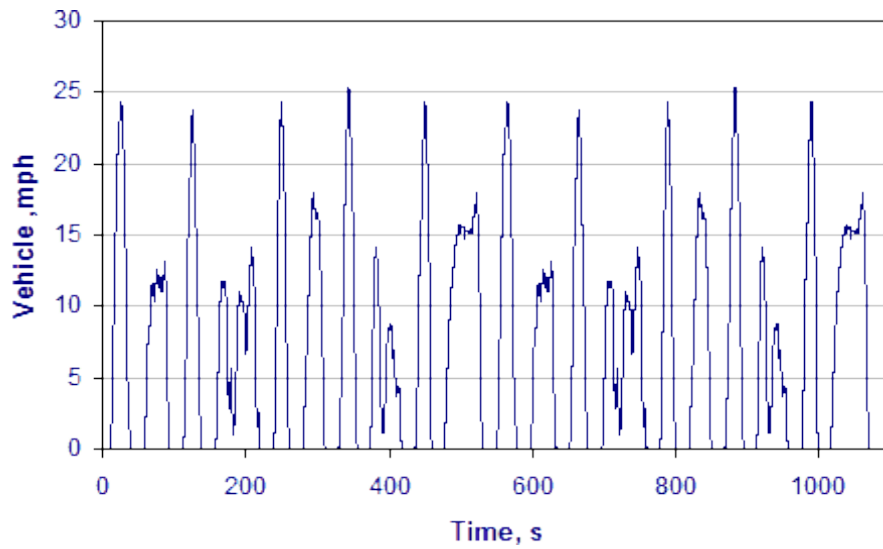


Figure 1. Manhattan Driving Cycle (duration 1089 sec, Maximum speed 25.4 mph, average speed 6.8 mph)

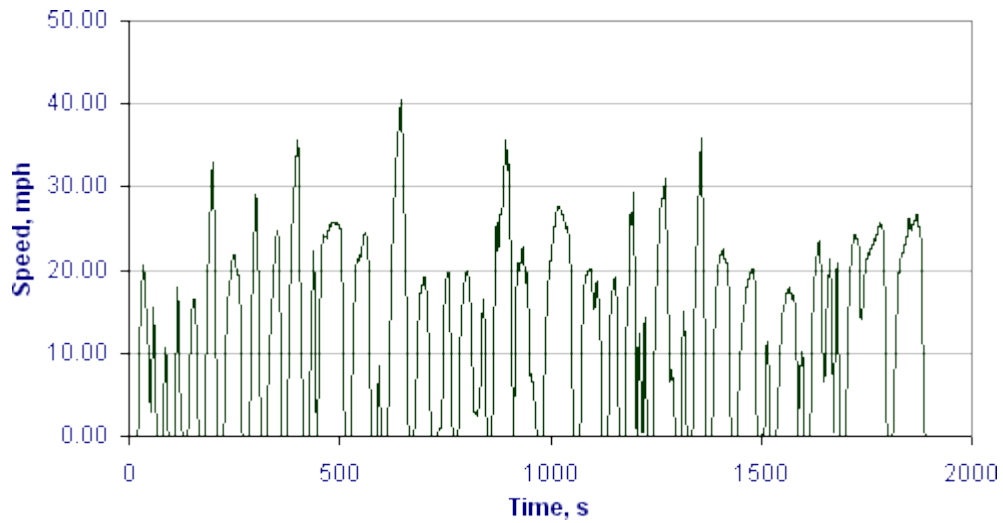


Figure 2. Orange County Bus Cycle (Duration 1909 Sec, Maximum Speed 41 mph, Average Speed 12 mph).

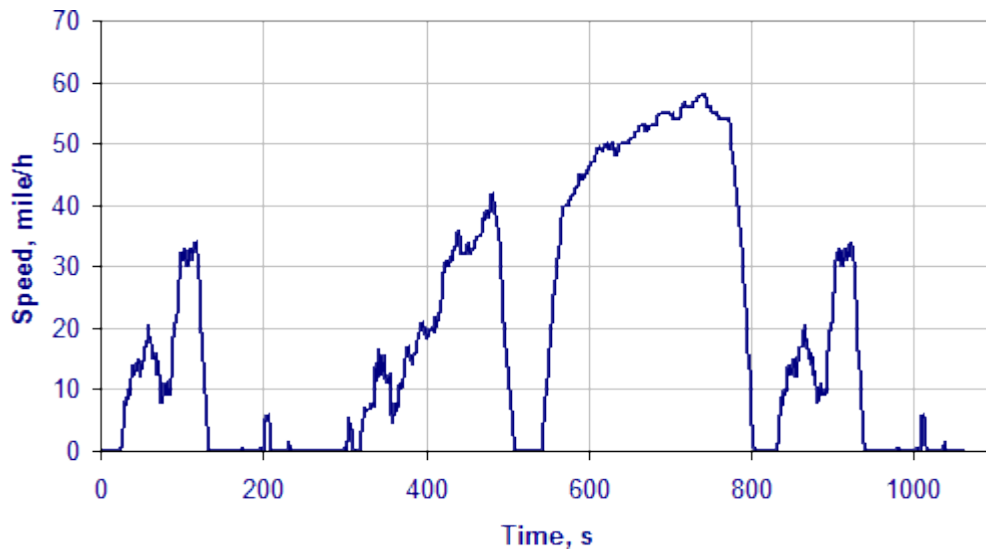


Figure 3. HD-UDDS Cycle (duration 1060 seconds, Maximum Speed 58 mph, Average Speed 18.86 mph).

6-III. DISCUSSION

The driving cycle consists of three simulated transit driving cycles: Manhattan, Orange County Bus Cycle and the HD-UDDS, as described in 6-II. The fuel consumption for each driving cycle and idle was measured.

An extensive pretest maintenance check was made including the replacement of all lubrication fluids. The details of the pretest maintenance are given in the first three Pretest Maintenance Forms. The fourth sheet shows the Pretest Inspection Form. Finally, the summary sheet provides the average fuel consumption for the three test cycles and for a 20-minute idle. **The average fuel consumption for the Manhattan, OCBC and the HD-UDDS were 10.2 mpg, 13.0 mpg and 15.0 mpg, respectively. For idle, the fuel consumption was 0.35 gal/hr.**

FUEL ECONOMY PRE-TEST MAINTENANCE FORM

Page 1 of 3

Bus Number: 2020-03	Date: 07/31/2020	SLW (lb.): 5,830
Personnel: S.R., E.L. & P.D.		

FUEL SYSTEM	OK
Install fuel measurement system	✓
Replace fuel filter	✓
Check for fuel leaks	✓
Specify fuel type (Gasoline)	✓
Remarks: None noted.	
BRAKES/TIRES	OK
Inspect hoses	✓
Inspect brakes	✓
Check tire inflation pressures (mfg. specs.)	✓
Check tire wear (less than 50%)	✓
Remarks: None noted.	
COOLING SYSTEM	OK
Check hoses and connections	✓
Check system for coolant leaks	✓
Remarks: None noted.	

FUEL ECONOMY PRE-TEST MAINTENANCE FORM

Page 2 of 3

Bus Number: 2020-03	Date: 07/31/2020
Personnel: S.R., E.L. & P.D.	
ELECTRICAL SYSTEMS	OK
Check battery	✓
Inspect wiring	✓
Inspect terminals	✓
Check lighting	✓
Remarks: None noted.	
DRIVE SYSTEM	OK
Drain transmission fluid	N/A
Replace filter/gasket	N/A
Check hoses and connections	✓
Replace transmission fluid	N/A
Check for fluid leaks	✓
Remarks: None noted.	
LUBRICATION	OK
Drain crankcase oil	✓
Replace filters	✓
Replace crankcase oil	✓
Check for oil leaks	✓
Check oil level	✓
Lube all chassis grease fittings	N/A
Lube universal joints	N/A
Replace differential lube including axles	N/A
Remarks: None noted.	

FUEL ECONOMY PRE-TEST MAINTENANCE FORM

Page 3 of 3

Bus Number: 2020-03	Date: 07/31/2020
Personnel: S.R., E.L. & P.D.	
EXHAUST/EMISSION SYSTEM	OK
Check for exhaust leaks	✓
Remarks: None noted.	
ENGINE	OK
Replace air filter	N/A
Inspect air compressor and air system	N/A
Inspect vacuum system, if applicable	N/A
Check and adjust all drive belts	✓
Check cold start assist, if applicable	N/A
Remarks: None noted.	
STEERING SYSTEM	OK
Check power steering hoses and connectors	✓
Service fluid level	N/A
Check power steering operation	✓
Remarks: Fluid level ok.	
	OK
Ballast bus to seated load weight	✓
TEST DRIVE	OK
Check brake operation	✓
Check transmission operation	✓
Remarks: None noted.	

FUEL ECONOMY PRE-TEST INSPECTION FORM

Page 1 of 1

Bus Number: 2020-03	Date: 09/28/2020
Personnel: S.I. & M.R.	
PRE-WARM-UP	If OK, Initial
Fuel Economy Pre-Test Maintenance Form is complete	T.S.
Cold tire pressure (psi): Front <u>36</u> Middle <u>N/A</u> Rear <u>36</u>	T.S.
Engine oil level	T.S.
Engine coolant level	T.S.
Fuel economy instrumentation installed and working properly.	T.S.
Fuel line -- no leaks or kinks	T.S.
Bus is loaded to SLW during coast down	T.S.
WARM-UP	If OK, Initial
Air conditioning off	M.R.
Interior and exterior lights on, evaporator fan on	M.R.
Defroster off	M.R.
Windows and doors closed	M.R.
Do not drive with left foot on brake	M.R.

FUEL ECONOMY DATA FORM (Gaseous and Liquid fuels)

Page 1 of 1

Bus Number: 2020-03	Manufacturer: BraunAbility	Date: 09/28/2020
Fuel Type: Gasoline	Personnel: S.I. & M.R.	
Temperature (°F): 93	Humidity (%): 56	Barometric Pressure (inHg): 28.5
SLW (lb.): 5,830		

Cycle	Manhattan	Orange County	HD-UDDS	Idle
Fuel Consumption mpg	10.2	13.0	15.0	0.35 G/hr

Comments: None noted.

7. NOISE

7.1 INTERIOR NOISE AND VIBRATION TESTS

7.1-I. TEST OBJECTIVE

The objective of these tests is to measure and record interior noise levels and check for audible vibration under various operating conditions.

7.1-II. TEST DESCRIPTION

During this series of tests, the interior noise level was measured at several locations with the bus operating under the following three conditions:

1. With the bus stationary, a white noise generating system provided a uniform sound pressure level equal to 80 dB(A) on the left, exterior side of the bus. The engine and all accessories were switched off and all openings including doors and windows were closed. This test was performed at the LTI Test Track Facility.
2. The bus was accelerated at full throttle from a standing start to 35 mph on a level pavement. All openings were closed and all accessories were operating during the test. This test was performed on the track at the LTI Test Track Facility.
3. The bus was operated at various speeds from 0 to 55 mph with and without the air conditioning and accessories on. Any audible vibration or rattles were noted. This test was performed on the test segment between the LTI Test Track and the Bus Testing Center.

All tests were performed in an area free from extraneous sound-making sources or reflecting surfaces. The ambient sound level as well as the surrounding weather conditions were recorded in the test data.

7.1-III. DISCUSSION

For the first part, the overall average of the six measurements was 43.0 dB(A); ranging from 41.4 dB(A) at the driver's seat to 44.4 dB(A) at the rear passenger seats. The interior ambient noise level for this test was less than 30 dB(A).

For the second part, the interior noise level ranged from 76.9 dB(A) at the middle passenger seats to 79.8 dB(A) at the driver's seat and front passenger seats. The overall average was 78.6 dB(A). The interior ambient noise level for this test was less than 30 dB(A).

No vibrations or rattles were noted during the third part of this test. This bus passed this section of the test.

INTERIOR NOISE TEST DATA FORM
Test Condition 1: 80 dB(A) Stationary White Noise

Page 1 of 3

Bus Number: 2020-03	Date: 07/28/2020
Personnel: E.D., S.R., T.S. & T.G.	
Temperature (°F): 73	Humidity (%): 83
Wind Speed (mph): 5	Wind Direction: W
Barometric Pressure (inHg): 29.93	
Interior Ambient Noise Level dB(A): Less than 30	Exterior Ambient Noise Level dB(A): 38.9
Microphone Height During Testing (in): 53	

Reading Location	Measured Sound Level dB(A)
Driver's Seat	41.4
Front Passenger Seats	41.7
In Line with Front Speaker	42.1
In Line with Middle Speaker	44.2
In Line with Rear Speaker	44.3
Rear Passenger Seats	44.4

Comments: None noted.

INTERIOR NOISE TEST DATA FORM
Test Condition 2: 0 to 35 mph Acceleration Test

Page 2 of 3

Bus Number: 2020-03	Date: 07/28/2020
Personnel: E.D. & S.R.	
Temperature (°F): 78	Humidity (%): 65
Wind Speed (mph): 3	Wind Direction: NW
Barometric Pressure (inHg): 29.94	
Interior Ambient Noise Level dB(A): Less than 30	Exterior Ambient Noise Level dB(A): 38.8
Microphone Height During Testing (in): 53	

Reading Location	Measured Sound Level dB(A)
Driver's Seat	79.8
Front Passenger Seats	79.8
Middle Passenger Seats	76.9
Rear Passenger Seats	77.9

Comments: None noted.

INTERIOR NOISE TEST DATA FORM
Test Condition 3: Audible Vibration Test

Page 3 of 3

Bus Number: 2020-03	Date: 07/20/2020
Personnel: E.D., T.G., F.T.	
Temperature (°F): 85	

Describe the following possible sources of noise and give the relative location on the bus.

Source of Noise	Location	Description of Noise
Engine and Accessories	N/A	None noted.
Windows and Doors	N/A	None noted.
Seats and Wheelchair lifts	N/A	None noted.
Other	N/A	None noted.

Comment on any other vibration or noise source which may have occurred that is not described above: None noted.
Comments: None noted.

7.1 INTERIOR NOISE TEST



**TEST BUS SET-UP FOR 80 dB(A)
INTERIOR NOISE TEST**

7.2 EXTERIOR NOISE TESTS

7.2-I. TEST OBJECTIVE

The objective of this test is to record exterior noise levels when a bus is operated under various conditions.

7.2-II. TEST DESCRIPTION

In the exterior noise tests, the bus was operated at a SLW in three different conditions using a smooth, straight and level roadway:

1. Accelerating at full throttle from a constant speed starting from 35 mph.
2. Accelerating at full throttle from standstill.
3. Stationary, with the engine at low idle, high idle, and wide-open throttle, where applicable. In addition, the bus was tested with and without the air conditioning operating.

The test site is at the Larson Transportation Institute Test Track and the test procedures were performed in accordance with SAE Standards SAE J366b, Exterior Sound Level for Heavy Trucks and Buses. The test site is an open space free of large reflecting surfaces. A noise meter placed at a specified location outside the bus was used to measure the noise level.

During the test, special attention was paid to:

1. The test site characteristics regarding parked vehicles, signboards, buildings, or other sound-reflecting surfaces
2. Proper usage of all test equipment including set-up and calibration
3. The ambient sound level

7.2-III. DISCUSSION

The Exterior Noise Test determines the noise level generated by the vehicle under different driving conditions and at stationary low and high idle, with and without air conditioning and accessories operating. The test site is a large, level, bituminous paved area with no reflecting surfaces nearby.

With an outside ambient noise level of 43.9 dB(A), the average of the two highest readings obtained while accelerating from a constant speed was 67.3 dB(A) on the right side and 67.2 dB(A) on the left side.

When accelerating from a standstill with an exterior ambient noise level of 43.9 dB(A), the average of the two highest readings obtained were 76.7 dB(A) on the right side and 76.9 dB(A) on the left side.

With the vehicle stationary and the engine, accessories, and air conditioning on, the measurements averaged 47.1 dB(A) at low idle and 61.2 dB(A) at wide open throttle. With the accessories and air conditioning off, the readings averaged 44.8 dB(A) at low idle and 61.4 dB(A) at wide open throttle. The exterior ambient noise level measured during this test was 36.6 dB(A). This bus passed this section of the test.

EXTERIOR NOISE TEST DATA FORM

Accelerating from Constant Speed

Page 1 of 3

Bus Number: 2020-03		Date: 07/20/20	
Personnel: E.D., T.G. & F.T.			
Temperature (°F): 84		Humidity (%): 51	
Wind Speed (mph): 9		Wind Direction: West	
Barometric Pressure (inHg): 29.99			
Verify that microphone height is 4 feet, wind speed is less than 12 mph and ambient temperature is between 30°F and 90°F: ■			
Initial Sound Level Meter Calibration: 93.4 dB(A)			
Exterior Ambient Noise Level: 43.9 dB(A)			
Accelerating from Constant Speed Curb (Right) Side		Accelerating from Constant Speed Street (Left) Side	
Run #	Measured Noise Level dB(A)	Run #	Measured Noise Level dB(A)
1	66.4	1	67.2
2	66.9	2	66.2
3	67.1	3	66.0
4	67.5	4	67.2
5	67.1	5	66.5
6	N/A	6	N/A
7	N/A	7	N/A
8	N/A	8	N/A
9	N/A	9	N/A
10	N/A	10	N/A
Average of two highest actual noise levels = 67.3 dB(A)		Average of two highest actual noise levels = 67.2 dB(A)	
Final Sound Level Meter Calibration Check: 93.4 dB(A)			
Comments: None noted.			

EXTERIOR NOISE TEST DATA FORM Accelerating from Standstill

Page 2 of 3

Bus Number: 2020-03		Date: 07/20/2020	
Personnel: E.D., T.G. F.T.			
Temperature (°F): 84		Humidity (%): 51	
Wind Speed (mph): 10		Wind Direction: West	
Barometric Pressure (inHg): 29.99			
Verify that microphone height is 4 feet, wind speed is less than 12 mph and ambient temperature is between 30°F and 90°F: ■			
Initial Sound Level Meter Calibration: 93.4 dB(A)			
Exterior Ambient Noise Level: 43.9 dB(A)			
Accelerating from Standstill Curb (Right) Side		Accelerating from Standstill Street (Left) Side	
Run #	Measured Noise Level dB(A)	Run #	Measured Noise Level dB(A)
1	76.1	1	75.3
2	76.7	2	76.1
3	76.7	3	75.5
4	76.4	4	76.7
5	76.6	5	77.0
6	N/A	6	N/A
7	N/A	7	N/A
8	N/A	8	N/A
9	N/A	9	N/A
10	N/A	10	N/A
Average of two highest actual noise levels = 76.7 dB(A)		Average of two highest actual noise levels = 76.9 dB(A)	
Final Sound Level Meter Calibration Check: 93.4 dB(A)			
Comments: None noted.			

EXTERIOR NOISE TEST DATA FORM

Stationary

Page 3 of 3

Bus Number: 2020-03		Date: 07/28/2020	
Personnel: E.D., T.G. & F.T.			
Temperature (°F): 82		Humidity (%): 55	
Wind Speed (mph): 5		Wind Direction: NW	
Barometric Pressure (inHg): 29.93			
Initial Sound Level Meter Calibration: 93.6 dB(A)			
Exterior Ambient Noise Level: 36.6 dB(A)			
Air Conditioning ON			
Throttle Position	Engine RPM	Curb (Right) Side dB(A)	Street (Left) Side db(A)
		Measured	Measured
Low Idle	600	47.9	46.3
High Idle	N/A	N/A	N/A
Wide Open Throttle	3000	62.1	60.3
Air Conditioning OFF			
Throttle Position	Engine RPM	Curb (Right) Side dB(A)	Street (Left) Side db(A)
		Measured	Measured
Low Idle	600	44.9	44.6
High Idle	N/A	N/A	N/A
Wide Open Throttle	3000	62.8	60.0
Final Sound Level Meter Calibration Check: 93.7 dB(A)			
Comments: None noted.			

7.2 EXTERIOR NOISE TESTS



TEST BUS UNDERGOING EXTERIOR NOISE TESTING

8.0 EMISSIONS TEST – DYNAMOMETER-BASED EMISSIONS TEST USING TRANSIT DRIVING CYCLES

8-I. TEST OBJECTIVE

The objective of this test is to provide comparable emissions data on transit buses produced by different manufacturers. This chassis-based emissions test bears no relation to engine certification testing performed for compliance with the Environmental Protection Agency (EPA) regulation. EPA's certification tests are performed on an engine by itself on a dynamometer operating under the Federal Test Protocol.

The Bus Testing Center emissions test is a measurement of the gaseous engine emissions CO, CO₂, NO_x, HC and particulates (diesel vehicles) produced by a complete vehicle operating on a large-roll chassis dynamometer. The test is performed for three differed driving cycles intended to simulate a range of transit operating environments. The test is performed under laboratory conditions in compliance with EPA 1065 and SAE J2711. The results of this test may not represent actual in-service vehicle emissions but will provide data that can be used by recipients to compare the emissions of buses tested under a range of consistent operating conditions.

8-II. TEST DESCRIPTION

This test was performed in the emissions bay of the LTI Vehicle Testing Laboratory. The Laboratory is equipped with a Schenk Pegasus 300 HP, large-roll (72-inch diameter) chassis dynamometer suitable for heavy-vehicle emissions testing. The emissions laboratory provides capability for testing heavy-duty diesel, gasoline, and alternative-fueled buses for a variety of tailpipe emissions including particulate matter, oxides of nitrogen, carbon monoxide, carbon dioxide, and hydrocarbons. It is equipped with a Horiba full-scale dilution tunnel and a constant volume sampling (CVS) emissions measurement system. The system includes Horiba Mexa 7400 Series gas analyzers and a Horiba HF47 Particulate Sampling System. Test operation is automated using Horiba CDTCS software. The computer-controlled dynamometer is capable of simulating over-the-road operation for a variety of vehicles and driving cycles.

The emissions test was performed as soon as practical after the completion of the GVW portion of the structural durability test. The driving cycles are the Manhattan cycle, a low average speed, highly transient urban cycle (Figure 1), the Orange County Bus Cycle, a medium average speed transient urban cycle (Figure 2), and the EPA HD-UDDS Cycle, which consists of urban and highway driving segments (Figure 3). An emissions test was comprised of two runs for each of the three different driving cycles, and the average values were reported. Test results reported include the average grams per mile value for each of the gaseous emissions of carbon dioxide, carbon monoxide, oxides of nitrogen, total hydrocarbons and non-methane hydrocarbons. In addition,

emissions of particulate matter will also be reported for diesel fuel buses. Testing is performed in accordance with EPA CFR49, Part 1065 and SAE J2711 as practically determined by the FTA Emissions Testing Protocol developed by West Virginia University and Penn State University.

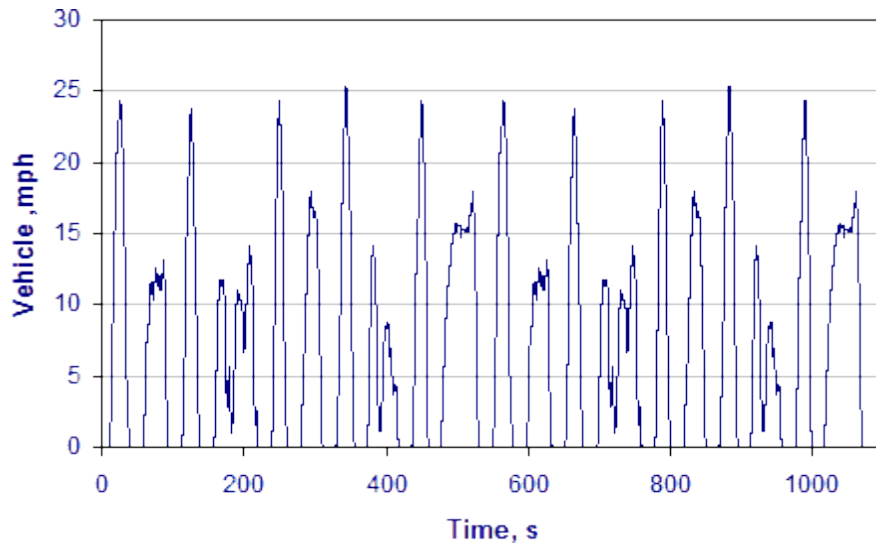


Figure 8.1. Manhattan Driving Cycle (Duration 1089 sec, Maximum Speed 25.4 mph, Average Speed 6.8 mph)

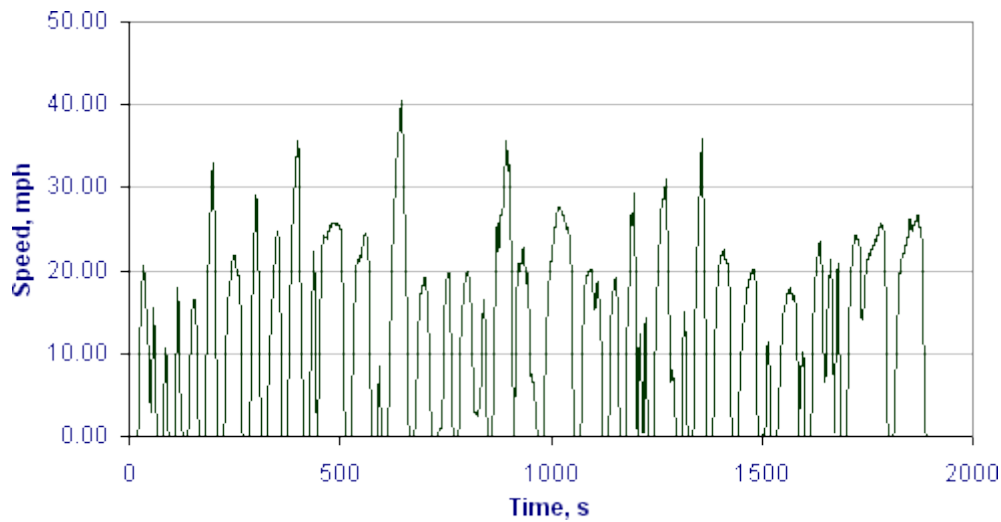


Figure 8.2. Orange County Bus Cycle (Duration 1909 Sec, Maximum Speed 41 mph, Average Speed 12 mph)

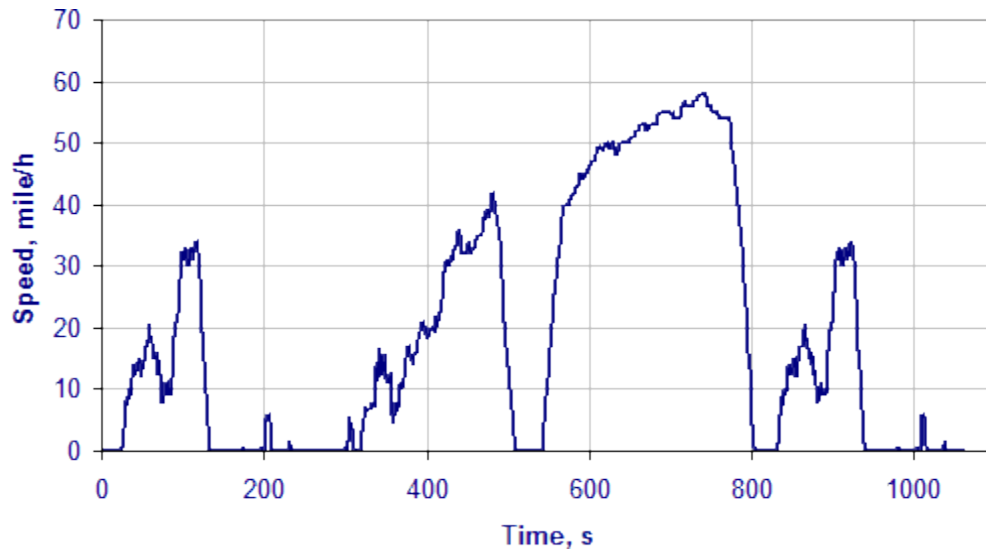


Figure 8.3. HD-UDDS Cycle (Duration 1060 seconds, Maximum Speed 58 mph, Average Speed 18.86 mph)

8-III. TEST ARTICLE

The test article is a BraunAbility / The Braun Corporation, Chrysler Pacifica / Voyager Commercial Wheelchair Accessible Vehicle w/Side-Entry Manual Foldout Ramp model transit bus equipped with a gasoline fueled Mopar FUA US LLC / 3.6L motor. The bus was tested on 09/28/2020 with the odometer reading 3,551 miles.

8-IV. TEST EQUIPMENT

Testing was performed in the LTI Vehicle Testing Laboratory emissions testing bay. The test bay is equipped with a Schenk Pegasus 72-inch, large-roll chassis dynamometer. The dynamometer is electronically controlled to account for vehicle road-load characteristics and for simulating the inertia characteristics of the vehicle. Power to the roller is supplied and absorbed through an electronically controlled 3-phase ac motor. Absorbed power is returned to the electrical grid.

Vehicle exhaust is collected by a Horiba CVS, full-flow dilution tunnel. The system has separate tunnels for diesel and gasoline/natural gas fueled vehicles. In the case of diesel vehicles, particulate emissions are measured gravimetrically using 47mm Teflon filters. These filters are housed in a Horiba HF47 particulate sampler, per EPA 1065 test procedures. Heated gaseous emissions of hydrocarbons and NOx are sampled by Horiba heated oven analyzers.

Gaseous emissions for CO, CO2 and cold NOx are measured using a Horiba Mexa 7400 series gas analyzer. System operation, including the operation of the chassis dynamometer, and all calculations are controlled by a Dell workstation running Horiba

CDCTS test control software. Particulate Filters are weighed in a glove box using a Sartorius microbalance accurate to 1 microgram.

8-V. TEST PREPARATION AND PROCEDURES

The test bus was prepared for emissions testing in accordance with the Fuel Economy Pre-Test Maintenance Form. (In the event that fuel economy test was performed immediately prior to emissions testing this step does not have to be repeated.) This is done to ensure that the bus is tested in optimum operating condition. The manufacturer-specified preventive maintenance shall be performed before this test. The ABS system is disabled for operation on the chassis dynamometer. Any manufacturer-recommended changes to the pre-test maintenance procedure must be noted on the revision sheet. The Fuel Economy Pre-Test Inspection Form will also be completed before performing the Emissions test. Both the Fuel Economy Pre-Test Maintenance Form and the Fuel Economy Pre-Test Inspection Form are found in section 6, Fuel Economy Test.

Prior to performing the emissions test, each bus is evaluated to determine its road-load characteristics using coast-down techniques in accordance with SAE J1263. This data is used to program the chassis dynamometer to accurately simulate over-the-road operation of the bus.

Warm-up consisted of driving the bus for 20 minutes at approximately 40 mph on the chassis dynamometer. During emissions testing, the test driver followed the prescribed driving cycle by watching the speed trace and instructions on the Horiba Drivers-Aid monitor which is placed in front of the windshield. The CDCTS computer monitored the test and collected data for calculation of emissions at the end of the test.

This bus was tested for emissions at seated load weight. The emissions data was obtained at the following conditions:

1. Air conditioning off
2. Heater off
3. Defroster off
4. Exterior and interior lights on
5. Windows and Doors closed
6. Seated load weight

The test tanks or the bus fuel tank(s) were filled prior to the fuel economy test with gasoline.

8-VI. DISCUSSION

Table 8.1 provides the emissions testing results on a grams per mile basis for each of the exhaust constituents measured and for each driving cycle performed.

TABLE 8.1 Emissions Test Results

Test Completed at SLW: 5,830 lb.			
Driving Cycle	Manhattan	Orange County Bus	UDDS
CO₂, gm/mi	789	640	553
CO, gm/mi	1.35	1.04	1.1
THC, gm/mi	0.18	0.20	0.20
NMHC, gm/mi	0.06	0.04	0.05
NO_x, gm/mi	0	0	0
Particulates. gm/mi	N/A	N/A	N/A

8. EMISSIONS TEST



BUS TESTED ON CHASSIS DYNAMOMETER FOR PERFORMANCE, FUEL ECONOMY AND EMISSIONS

Sunset Vans Inc.
8851 Lakewood Blvd.
Downey, CA 90240
888-280-VANS (8267)



Tel: (562) 862-2177
Fax: (562) 862-4482
Email: info@sunsetvans.com
Website: sunsetvans.com

8/7/21

To whom it may concern:

Sunset Vans Inc adds adaptive equipment to Ford Transit OEM built completed vehicles. The conversion is done on unmodified mass-produced vans. All components are installed with OEM guidelines. The unmodified mass-produced vans are offered in the 4 year/ 100,000 service lift category. Thus the Bus Testing Regulation (49 CFR Part 665) would not apply and the unmodified mass-produced van would be exempt from Altoona Bus Testing.

Please let me know if you have any questions.

Kindly,

A handwritten signature in black ink, appearing to read "Derek Murray". The signature is stylized with loops and a long horizontal stroke.

Derek Murray
President

FEDERAL TRANSIT ADMINISTRATION

BUS TESTING PROGRAM

PHASE-IN OF TESTING OF SMALL VEHICLES

Subcategories of Five and Four Year Buses

1. Unmodified Mass-Produced Vans

This subcategory consists of vehicles that are manufactured as complete, fully assembled vehicles as provided by the original equipment manufacturer (OEM). The subcategory includes vans with raised roofs, and/or wheelchair lifts or ramps that are installed by the OEM, or by a party other than the OEM, provided that the installation of these components is completed in strict conformance with the OEM modification guidelines.



Vehicles in this subcategory are not subject to the bus testing requirements.

2. Vehicles Built from Unmodified Mass-Produced Chassis

This subcategory consists of vehicles that are manufactured from incomplete partially assembled chassis as provided by an OEM to a secondary small bus manufacturer. This subcategory includes vehicles whose chassis structure either has not been modified or has been modified in strict conformance with the OEM's modification guidelines. The addition of a tandem or tag axle would exclude a bus model from this subcategory.

Vehicles in this subcategory are subject to the bus testing requirements.

3. Vehicles Manufactured from Modified Mass-Produced Chassis or Vans

This subcategory consists of vehicles that are manufactured from incomplete partially assembled chassis or vans as provided by an OEM to a secondary small bus manufacturer. This subcategory includes vehicles whose chassis structure has been modified to include the addition of a tandem or tag axle; the installation of a drop or lowered floor, changes to the GVWR from the OEM rating or other modifications that are not made in strict conformance with the OEM's modifications guidelines.

Vehicles in this subcategory are subject to the bus testing requirements.

F.T.A.
WASHINGTON D.C.

TIM JOHNSON
PH 202-3660212
FAX 202-3663765

STURAA TEST

7 YEAR

200,000 MILE BUS

from

**STARCRAFT BUS,
A DIVISION of FOREST RIVER INC.**

MODEL ALLSTAR -25

FEBRUARY 2006

PTI-BT-R0518

PENNSSTATE



The Pennsylvania Transportation Institute

201 Research Office Building (814) 865-1891
The Pennsylvania State University
University Park, PA 16802

Bus Testing and Research Center

2237 Old Route 220 N. (814) 695-3404
Duncansville, PA 16635

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EXECUTIVE SUMMARY

Starcraft Bus, a Division of Forest River Inc. submitted a model Allstar-25, gasoline-powered 17 seat (including the driver) 25-foot bus, for a 7 yr/200,000 mile STURAA test. The odometer reading at the time of delivery was 529.0 miles. Testing started on December 6, 2005 and was completed on February 14, 2006. The Check-In section of the report provides a description of the bus and specifies its major components.

The primary part of the test program is the Structural Durability Test, which also provides the information for the Maintainability and Reliability results. The Structural Durability Test was started on December 14, 2005 and was completed on February 1, 2006.

The interior of the bus is configured with seating for 17 passengers including the driver + 1 wheelchair position. Free floor space will accommodate 10 standing passengers resulting in a potential capacity of 27 persons + 1 wheelchair position. At 150 lbs per person 600 lbs per wheelchair position, this load results in a measured gross vehicle weight of 13,950 lbs. The first segment of the Structural Durability Test was performed with the bus loaded to a GVW of 13,950 lbs. The middle segment was performed at a seated load weight of 12,500 lbs and the final segment was performed at a curb weight of 9,510 lbs. Durability driving resulted in no unscheduled maintenance and failures.

Accessibility, in general, was adequate, components covered in Section 1.3 (Repair and/or Replacement of Selected Subsystems) along with all other components encountered during testing, were found to be readily accessible and no restrictions were noted.

The Reliability section compiles failures that occurred during Structural Durability Testing. Breakdowns are classified according to subsystems. The data in this section are arranged so that those subsystems with more frequent problems are apparent. The problems are also listed by class as defined in Section 2. The test bus encountered no failures during the Structural Durability Test.

The Safety Test, (a double-lane change, obstacle avoidance test) was safely performed in both right-hand and left-hand directions up to a maximum test speed of 45 mph. The performance of the bus is illustrated by a speed vs. time plot. Acceleration and gradeability test data are provided in Section 4, Performance. The average time to obtain 50 mph was 13.75 seconds.

The Shakedown Test produced a maximum final loaded deflection of 0.224 inches with a permanent set ranging between -0.003 to 0.005 inches under a distributed static load of 10,725 lbs. The Distortion Test was completed with all subsystems, doors and escape mechanisms operating properly. Water leakage observed during the test at the top of the rear door between the door and the door frame.

The test bus was not equipped with any type of tow eyes or tow hooks, therefore, the Static Towing Test was not performed. The Dynamic Towing Test was performed by means of a front-lift tow. The towing interface was accomplished using a hydraulic under-lift wrecker. The bus was towed without incident and no damage resulted from the test. The manufacturer does not recommend towing the bus from the rear; therefore, a rear test was not performed. The Jacking and Hoisting Tests were also performed without incident. The bus was found to be stable on the jack stands, and the minimum jacking clearance observed with a tire deflated was 8.8 inches.

A Fuel Economy Test was run on simulated central business district, arterial, and commuter courses. The results were 6.39 mpg, 6.90 mpg, and 10.17 mpg respectively; with an overall average of 7.32 mpg.

A series of Interior and Exterior Noise Tests was performed. These data are listed in Section 7.1 and 7.2 respectively.

ABBREVIATIONS

ABTC	- Altoona Bus Test Center
A/C	- air conditioner
ADB	- advance design bus
ATA-MC	- The Maintenance Council of the American Trucking Association
CBD	- central business district
CW	- curb weight (bus weight including maximum fuel, oil, and coolant; but without passengers or driver)
dB(A)	- decibels with reference to 0.0002 microbar as measured on the "A" scale
DIR	- test director
DR	- bus driver
EPA	- Environmental Protection Agency
FFS	- free floor space (floor area available to standees, excluding ingress/egress areas, area under seats, area occupied by feet of seated passengers, and the vestibule area)
GVL	- gross vehicle load (150 lb for every designed passenger seating position, for the driver, and for each 1.5 sq ft of free floor space)
GVW	- gross vehicle weight (curb weight plus gross vehicle load)
GVWR	- gross vehicle weight rating
MECH	- bus mechanic
mpg	- miles per gallon
mph	- miles per hour
PM	- Preventive maintenance
PSBRTF	- Penn State Bus Research and Testing Facility
PTI	- Pennsylvania Transportation Institute
rpm	- revolutions per minute
SAE	- Society of Automotive Engineers
SCH	- test scheduler
SEC	- secretary
SLW	- seated load weight (curb weight plus 150 lb for every designed passenger seating position and for the driver)
STURAA	- Surface Transportation and Uniform Relocation Assistance Act
TD	- test driver
TECH	- test technician
TM	- track manager
TP	- test personnel

TEST BUS CHECK-IN

I. OBJECTIVE

The objective of this task is to log in the test bus, assign a bus number, complete the vehicle data form, and perform a safety check.

II. TEST DESCRIPTION

The test consists of assigning a bus test number to the bus, cleaning the bus, completing the vehicle data form, obtaining any special information and tools from the manufacturer, determining a testing schedule, performing an initial safety check, and performing the manufacturer's recommended preventive maintenance. The bus manufacturer must certify that the bus meets all Federal regulations.

III. DISCUSSION

The check-in procedure is used to identify in detail the major components and configuration of the bus.

The test bus consists of a Starcraft Bus, model Allstar-25. The bus has a front door, rear of the front axle, and a dedicated handicap entrance rear of the rear axle. Note: the test bus was not equipped with a handicap device. Power is provided by a gasoline-fueled, Ford Motor Co. model 6.8 L EFI V10 engine coupled to a Ford Motor Co. model Elec 5-spd AOD transmission.

The measured curb weight is 3,810 lbs for the front axle and 5,700 lbs for the rear axle. These combined weights provide a total measured curb weight of 9,510 lbs. There are 17 seats including the driver, 1 wheelchair position and room for 10 standing passengers bringing the total passenger capacity to 27 + 1 wheelchair position. Gross load is $150 \text{ lb} \times 27 = 4,050 \text{ lbs} + 600 \text{ lbs (wheelchair position)} = 4,650 \text{ lbs}$. At full capacity, the measured gross vehicle weight is 13,950 lbs.

VEHICLE DATA FORM

Bus Number: 0518	Arrival Date: 12-6-05
Bus Manufacturer: Starcraft Bus	Vehicle Identification Number (VIN): 1FDXE45516HA98012
Model Number: Allstar-25	Date: 12-6-05
Personnel: S.C.	

WEIGHT:

Individual Wheel Reactions:

Weights (lb)	Front Axle		Middle Axle		Rear Axle	
	Right	Left	Right	Left	Right	Left
CW	1,970	1,840	N/A	N/A	2,930	2,770
SLW	2,180	2,080	N/A	N/A	4,170	4,070
GVW	2,370	2,250	N/A	N/A	4,750	4,580

Total Weight Details:

Weight (lb)	CW	SLW	GVW	GAWR
Front Axle	3,810	4,260	4,620	4,600
Middle Axle	N/A	N/A	N/A	N/A
Rear Axle	5,700	8,240	9,330	9,450
Total	9,510	12,500	13,950	GVWR: 14,050

Dimensions:

Length (ft/in)	25 / 11
Width (in)	98
Height (in)	112
Front Overhang (in)	33
Rear Overhang (in)	88
Wheel Base (in)	190
Wheel Track (in)	Front: 68.3
	Rear: 78.0

Bus Number: 0518	Date: 12-6-05
------------------	---------------

CLEARANCES:

Lowest Point Outside Front Axle	Location: Steering linkage	Clearance(in): 11.4
Lowest Point Outside Rear Axle	Location: Exhaust	Clearance(in): 11.2
Lowest Point between Axles	Location: Step	Clearance(in): 8.3
Ground Clearance at the center (in)	9.6	
Front Approach Angle (deg)	22.1	
Rear Approach Angle (deg)	9.5	
Ramp Clearance Angle (deg)	8.2	
Aisle Width (in)	17.1	
Inside Standing Height at Center Aisle (in)	92.2	

BODY DETAILS:

Body Structural Type	Integral		
Frame Material	Steel		
Body Material	Aluminum, fiberglass & steel		
Floor Material	Plywood		
Roof Material	Fiberglass		
Windows Type	<input type="checkbox"/> Fixed	<input checked="" type="checkbox"/> Movable	
Window Mfg./Model No.	Safety DOT 269 / ASE M180		
Number of Doors	<u>1</u> Front	<u>1</u> Rear	
Mfr. / Model No.	A & M Systems / 2133.1/213380		
Dimension of Each Door (in)	Front - 32.6 x 81.5	Rear – 45.6 x 70.0	
Passenger Seat Type	<input type="checkbox"/> Cantilever	<input checked="" type="checkbox"/> Pedestal	<input type="checkbox"/> Other (explain)
Mfr. / Model No.	Freedman Seating Co. / Mid-Back Double		
Driver Seat Type	<input type="checkbox"/> Air	<input type="checkbox"/> Spring	<input checked="" type="checkbox"/> Other (Cushion)
Mfr. / Model No.	Freedman Seating Co. / Hi-Back		
Number of Seats (including Driver)	17		

Bus Number: 0518	Date: 12-6-05
------------------	---------------

BODY DETAILS (Contd..)

Free Floor Space (ft ²)	16.4				
Height of Each Step at Normal Position (in)	Front	1. <u>10.0</u>	2. <u>9.6</u>	3. <u>10.1</u>	4. <u>N/A</u>
	Middle	1. <u>N/A</u>	2. <u>N/A</u>	3. <u>N/A</u>	4. <u>N/A</u>
	Rear	1. <u>N/A</u>	2. <u>N/A</u>	3. <u>N/A</u>	4. <u>N/A</u>
Step Elevation Change - Kneeling (in)	N/A				

ENGINE

Type	<input type="checkbox"/> C.I.		<input type="checkbox"/> Alternate Fuel	
	<input checked="" type="checkbox"/> S.I.		<input type="checkbox"/> Other (explain)	
Mfr. / Model No.	Ford Motor Co. / 6.8 L EFI V10			
Location	<input checked="" type="checkbox"/> Front	<input type="checkbox"/> Rear	<input type="checkbox"/> Other (explain)	
Fuel Type	<input checked="" type="checkbox"/> Gasoline	<input type="checkbox"/> CNG	<input type="checkbox"/> Methanol	
	<input type="checkbox"/> Diesel	<input type="checkbox"/> LNG	<input type="checkbox"/> Other (explain)	
Fuel Tank Capacity (indicate units)	55 gals			
Fuel Induction Type	<input checked="" type="checkbox"/> Injected		<input type="checkbox"/> Carburetion	
Fuel Injector Mfr. / Model No.	Ford Motor Co. / 6.8 L EFI V10			
Carburetor Mfr. / Model No.	N/A			
Fuel Pump Mfr. / Model No.	Ford Motor Co. / 6.8 L EFI V10			
Alternator (Generator) Mfr. / Model No.	Motorcraft / 3GF			
Maximum Rated Output (Volts / Amps)	14.4 / 110			
Air Compressor Mfr. / Model No.	N/A			
Maximum Capacity (ft ³ / min)	N/A			
Starter Type	<input checked="" type="checkbox"/> Electrical	<input type="checkbox"/> Pneumatic	<input type="checkbox"/> Other (explain)	
Starter Mfr. / Model No.	Visteon / AY05J2			

Bus Number: 0518	Date: 12-6-05
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TRANSMISSION

Transmission Type	<input type="checkbox"/> Manual	<input checked="" type="checkbox"/> Automatic	
Mfr. / Model No.	Ford Motor Co. / Elec 5-spd AOD		
Control Type	<input checked="" type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Other
Torque Converter Mfr. / Model No.	Ford Motor Co. / Elec 5-spd AOD		
Integral Retarder Mfr. / Model No.	N/A		

SUSPENSION

Number of Axles	2		
Front Axle Type	<input checked="" type="checkbox"/> Independent	<input type="checkbox"/> Beam Axle	
Mfr. / Model No.	Ford Motor Co. / Twin I-Beam		
Axle Ratio (if driven)	N/A		
Suspension Type	<input checked="" type="checkbox"/> Air	<input type="checkbox"/> Spring	<input type="checkbox"/> Other (explain)
No. of Shock Absorbers	2		
Mfr. / Model No.	Motorcraft / C259Y2		
Middle Axle Type	<input type="checkbox"/> Independent	<input type="checkbox"/> Beam Axle	
Mfr. / Model No.	N/A		
Axle Ratio (if driven)	N/A		
Suspension Type	<input type="checkbox"/> Air	<input type="checkbox"/> Spring	<input type="checkbox"/> Other (explain)
No. of Shock Absorbers	N/A		
Mfr. / Model No.	N/A		
Rear Axle Type	<input type="checkbox"/> Independent	<input checked="" type="checkbox"/> Beam Axle	
Mfr. / Model No.	Dana / Full Floating Dana 10.5H-D		
Axle Ratio (if driven)	4.56		
Suspension Type	<input type="checkbox"/> Air	<input checked="" type="checkbox"/> Spring	<input type="checkbox"/> Other (explain)

No. of Shock Absorbers	2
Mfr. / Model No.	Motorcraft / C260Y1

Bus Number: 0518	Date: 12-6-05
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WHEELS & TIRES

Front	Wheel Mfr./ Model No.	Ford / 8-Hole Disc, 16 x 6.0 Steel
	Tire Mfr./ Model No.	Michelin LTX / LT225/75R 16
Rear	Wheel Mfr./ Model No.	Ford / 8-Hole Disc, 16 x 6.0 Steel
	Tire Mfr./ Model No.	Michelin LTX / LT225/75R 16

BRAKES

Front Axle Brakes Type	<input type="checkbox"/> Cam	<input checked="" type="checkbox"/> Disc	<input type="checkbox"/> Other (explain)
Mfr. / Model No.	TRW / na		
Middle Axle Brakes Type	<input type="checkbox"/> Cam	<input type="checkbox"/> Disc	<input type="checkbox"/> Other (explain)
Mfr. / Model No.	N/A		
Rear Axle Brakes Type	<input type="checkbox"/> Cam	<input checked="" type="checkbox"/> Disc	<input type="checkbox"/> Other (explain)
Mfr. / Model No.	Kelsey Hayes / na		
Retarder Type	N/A		
Mfr. / Model No.	N/A		

HVAC

Heating System Type	<input type="checkbox"/> Air	<input checked="" type="checkbox"/> Water	<input type="checkbox"/> Other
Capacity (Btu/hr)	35,000		
Mfr. / Model No.	Ford Motor Co. / na		
Air Conditioner	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Location	Dash & Interior ceiling		
Capacity (Btu/hr)	55,000		
A/C Compressor Mfr. / Model No.	Ford / O.E.M.		

STEERING

Steering Gear Box Type	Hydraulic gear
------------------------	----------------

Mfr. / Model No.	Ford / 6C22 3504 AA
Steering Wheel Diameter	15.0
Number of turns (lock to lock)	4.0

Bus Number: 0518	Date: 12-6-05
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OTHERS

Wheel Chair Ramps	Location: N/A	Type: N/A
Wheel Chair Lifts	Location: N/A	Type: N/A
Mfr. / Model No.	N/A	
Emergency Exit	Location: Windows Doors	Number: 3 1

CAPACITIES

Fuel Tank Capacity (units)	55 gals
Engine Crankcase Capacity (gallons)	1.5
Transmission Capacity (gallons)	4.4
Differential Capacity (gallons)	2.1
Cooling System Capacity (quarts)	8.2
Power Steering Fluid Capacity (gallons)	Not available.

VEHICLE DATA FORM

Bus Number: 0518	Date: 12-6-05
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List all spare parts, tools and manuals delivered with the bus.

Part Number	Description	Qty.
Michelin LTX M/S LT225/75R 16	Tires/wheels	6
XC2Z-2C026-BB	Brake rotors	2
FBUZ-1102-DA	Brake rotors	2
FA-1769	Air filter	1
FD-4606	Fuel water separator	1
FL-2016	Oil filter	1
AT-164-G F5UZ-18125-A	Shock absorber	2
AT-163-G F5UZ-18124-B	Shock absorber	2
FT-145	Transmission filter	1
FT-144	Screen assembly	1
BR1276 YU2Z-2V200-BA	Brake pads	1
1C3Z-2001-BA	Brake pads	1
2006 E-Series 6C2J19G219GA	Owner's guide	1
NA	Allstar Owner Manual	1
NA	Trans/Air owner manual	1

COMPONENT/SUBSYSTEM INSPECTION FORM

Bus Number: 0518	Date: 12-6-05
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Subsystem	Checked	Comments
Air Conditioning Heating and Ventilation		
Body and Sheet Metal		
Frame		
Steering		
Suspension		
Interior/Seating		
Axles		
Brakes		
Tires/Wheels		
Exhaust		
Fuel System		Gasoline.
Power Plant		
Accessories		
Lift System		Not equipped with a handicap device.
Interior Fasteners		
Batteries		

CHECK - IN



STARCRAFT BUS MODEL ALLSTAR-25



1. MAINTAINABILITY

1.1 ACCESSIBILITY OF COMPONENTS AND SUBSYSTEMS

1.1-I. TEST OBJECTIVE

The objective of this test is to check the accessibility of components and subsystems.

1.1-II. TEST DESCRIPTION

Accessibility of components and subsystems is checked, and where accessibility is restricted the subsystem is noted along with the reason for the restriction.

1.1-III. DISCUSSION

Accessibility, in general, was adequate. Components covered in Section 1.3 (repair and/or replacement of selected subsystems), along with all other components encountered during testing, were found to be readily accessible and no restrictions were noted.

ACCESSIBILITY DATA FORM

Bus Number: 0518	Date: 2-9-06
------------------	--------------

Component	Checked	Comments
ENGINE :		
Oil Dipstick		
Oil Filler Hole		
Oil Drain Plug		
Oil Filter		
Fuel Filter		
Air Filter		
Belts		
Coolant Level		
Coolant Filler Hole		
Coolant Drain		
Spark / Glow Plugs		
Alternator		
Diagnostic Interface Connector		
TRANSMISSION :		
Fluid Dip-Stick		
Filler Hole		Fill through dip tube.
Drain Plug		
SUSPENSION :		
Bushings		
Shock Absorbers		
Air Springs	N/A	
Leveling Valves	N/A	
Grease Fittings		

ACCESSIBILITY DATA FORM

Bus Number: 0518	Date: 2-9-06
------------------	--------------

Component	Checked	Comments
HVAC :		
A/C Compressor		
Filters		
Fans		
ELECTRICAL SYSTEM :		
Fuses		
Batteries		
Voltage regulator		Internal.
Voltage Converters	N/A	
Lighting		
MISCELLANEOUS :		
Brakes		
Handicap Lifts/Ramps	N/A	
Instruments		
Axles		
Exhaust		
Fuel System		
OTHERS :		

1.2 SERVICING, PREVENTIVE MAINTENANCE, AND REPAIR AND MAINTENANCE DURING TESTING

1.2-I. TEST OBJECTIVE

The objective of this test is to collect maintenance data about the servicing, preventive maintenance, and repair.

1.2.-II. TEST DESCRIPTION

The test will be conducted by operating the NBM and collecting the following data on work order forms and a driver log.

1. **Unscheduled Maintenance**
 - a. Bus number
 - b. Date
 - c. Mileage
 - d. Description of malfunction
 - e. Location of malfunction (e.g., in service or undergoing inspection)
 - f. Repair action and parts used
 - g. Man-hours required

2. **Scheduled Maintenance**
 - a. Bus number
 - b. Date
 - c. Mileage
 - d. Engine running time (if available)
 - e. Results of scheduled inspections
 - f. Description of malfunction (if any)
 - g. Repair action and parts used (if any)
 - h. Man-hours required

The buses will be operated in accelerated durability service. While typical items are given below, the specific service schedule will be that specified by the manufacturer.

- A. **Service**
 1. Fueling
 2. Consumable checks
 3. Interior cleaning

- B. **Preventive Maintenance**
 4. Brake adjustments
 5. Lubrication
 6. 3,000 mi (or equivalent) inspection

7. Oil and filter change inspection
8. Major inspection
9. Tune-up

C. Periodic Repairs

1. Brake reline
2. Transmission change
3. Engine change
4. Windshield wiper motor change
5. Stoplight bulb change
6. Towing operations
7. Hoisting operations

1.2-III. DISCUSSION

Servicing and preventive maintenance were performed at manufacturer-specified intervals. The following Scheduled Maintenance Form lists the mileage, items serviced, the service interval, and amount of time required to perform the maintenance. Table 1 is a list of the lubricating products used in servicing. Finally, the Unscheduled Maintenance List along with Unscheduled Maintenance-related photographs is included in Section 5.7, Structural Durability. This list supplies information related to failures that occurred during the durability portion of testing. The Unscheduled Maintenance List includes the date and mileage at which the malfunction occurred, a description of the malfunction and repair, and the time required to perform the repair.

(Page 1 of 1)
SCHEDULED MAINTENANCE
Starcraft Bus 0518

DATE	TEST MILES	SERVICE	ACTIVITY	DOWN TIME	HOURS
12-21-05	1,185	P.M. / Inspection	Linkage, tie rods, universals/u-joints all lubed; all fluids checked.	4.00	4.00
01-06-06	2,375	P.M. / Inspection	Linkage, tie rods, universals/u-joints all lubed; all fluids checked.	4.00	4.00
01-13-06	4,131	P.M. / Inspection	Linkage, tie rods, universals/u-joints all lubed; all fluids checked.	4.00	4.00
01-18-06	5,137	P.M. / Inspection	Linkage, tie rods, universals/u-joints all lubed; all fluids checked.	4.00	4.00
01-24-06	6,407	P.M. / Inspection	Linkage, tie rods, universals/u-joints all lubed; all fluids checked.	4.00	4.00
01-31-06	7,404	P.M. / Inspection Fuel Economy Prep	Linkage, tie rods, universals/u-joints all lubed; all fluids checked.	4.00	4.00
02-01-06	7,500	P.M. / Inspection	Linkage, tie rods, universals/u-joints all lubed. Oil changed. Oil, fuel, and air filters changed. Transmission oil and filter changed.	8.00	8.00

Table 1. STANDARD LUBRICANTS

The following is a list of Texaco lubricant products used in bus testing conducted by the Penn State University Altoona Bus Testing Center:

<u>ITEM</u>	<u>PRODUCT CODE</u>	<u>TEXACO DESCRIPTION</u>
Engine oil	#2112	URSA Super Plus SAE 30
Transmission oil	#1866	Automatic Trans Fluid Mercon/Dexron II Multipurpose
Gear oil	#2316	Multigear Lubricant EP SAE 80W90
Wheel bearing & Chassis grease	#1935	Starplex II

1.3 REPLACEMENT AND/OR REPAIR OF SELECTED SUBSYSTEMS

1.3-I. TEST OBJECTIVE

The objective of this test is to establish the time required to replace and/or repair selected subsystems.

1.3-II. TEST DESCRIPTION

The test will involve components that may be expected to fail or require replacement during the service life of the bus. In addition, any component that fails during the NBM testing is added to this list. Components to be included are:

1. Transmission
2. Alternator
3. Starter
4. Batteries
5. Windshield wiper motor

1.3-III. DISCUSSION

During the test, no additional components were removed for repair or replacement.

At the end of the test, the remaining items on the list were removed and replaced. The transmission assembly took 4.0 man-hours (two men 2.0 hrs) to remove and replace. The time required for repair/replacement of the four remaining components is given on the following Repair and/or Replacement Form.

REPLACEMENT AND/OR REPAIR FORM

Subsystem	Replacement Time
Transmission	4.00 man hours
Wiper Motor	0.50 man hours
Starter	0.50 man hours
Alternator	0.50 man hours
Batteries	1.00 man hours

1.3 REPLACEMENT AND/OR REPAIR OF SELECTED SUBSYSTEMS



TRANSMISSION REMOVAL AND REPLACEMENT (4.00 MAN HOURS)



WIPER MOTOR REMOVAL AND REPLACEMENT (0.50 MAN HOURS)

1.3 REPLACEMENT AND/OR REPAIR OF SELECTED SUBSYSTEMS CONT.



**STARTER REMOVAL AND REPLACEMENT
(0.50 MAN HOURS)**



**BATTERY REMOVAL AND REPLACEMENT
(1.00 MAN HOURS)**

2. RELIABILITY - DOCUMENTATION OF BREAKDOWN AND REPAIR TIMES DURING TESTING

2-I. TEST OBJECTIVE

The objective of this test is to document unscheduled breakdowns, repairs, down time, and repair time that occur during testing.

2-II. TEST DESCRIPTION

Using the driver log and unscheduled work order forms, all significant breakdowns, repairs, man-hours to repair, and hours out of service are recorded on the Reliability Data Form.

CLASS OF FAILURES

Classes of failures are described below:

- (a) Class 1: Physical Safety. A failure that could lead directly to passenger or driver injury and represents a severe crash situation.
- (b) Class 2: Road Call. A failure resulting in an en route interruption of revenue service. Service is discontinued until the bus is replaced or repaired at the point of failure.
- (c) Class 3: Bus Change. A failure that requires removal of the bus from service during its assignments. The bus is operable to a rendezvous point with a replacement bus.
- (d) Class 4: Bad Order. A failure that does not require removal of the bus from service during its assignments but does degrade coach operation. The failure shall be reported by driver, inspector, or hostler.

2-III. DISCUSSION

A listing of breakdowns and unscheduled repairs is accumulated during the Structural Durability Test. The following Reliability Data Form lists all unscheduled repairs under classes as defined above. These classifications are somewhat subjective as the test is performed on a test track with careful inspections every two hours. However, even on the road, there is considerable latitude on deciding how to handle many failures.

The classification of repairs according to subsystem is intended to emphasize those systems which had persistent minor or more serious problems. The bus submitted for testing encountered no failures during the Structural Durability Test.

3. SAFETY - A DOUBLE-LANE CHANGE (OBSTACLE AVOIDANCE)

3-I. TEST OBJECTIVE

The objective of this test is to determine handling and stability of the bus by measuring speed through a double lane change test.

3-II. TEST DESCRIPTION

The Safety Test is a vehicle handling and stability test. The bus will be operated at SLW on a smooth and level test track. The bus will be driven through a double lane change course at increasing speed until the test is considered unsafe or a speed of 45 mph is reached. The lane change course will be set up using pylons to mark off two 12 foot center to center lanes with two 100 foot lane change areas 100 feet apart. The bus will begin in one lane, change to the other lane in a 100 foot span, travel 100 feet, and return to the original lane in another 100 foot span. This procedure will be repeated, starting first in the right-hand and then in the left-hand lane.

3-III. DISCUSSION

The double-lane change was performed in both right-hand and left-hand directions. The bus was able to safely negotiate the test course in both the right-hand and left-hand directions up to the maximum test speed of 45 mph.

SAFETY DATA FORM

Bus Number: 0518	Date: 2-2-06
Personnel: B.S., S.C. & T.S.	

Temperature (°F): 35	Humidity (%): 93
Wind Direction: Calm	Wind Speed (mph): Calm
Barometric Pressure (in.Hg): 29.91	

SAFETY TEST: DOUBLE LANE CHANGE	
Maximum safe speed tested for double-lane change to left	45 mph
Maximum safe speed tested for double-lane change to right	45 mph
Comments of the position of the bus during the lane change: A safe profile was maintained through all portions of testing.	
Comments of the tire/ground contact patch: Tire/ground contact was maintained through all portions of testing.	

3. SAFETY



RIGHT - HAND APPROACH



LEFT - HAND APPROACH

4. PERFORMANCE - AN ACCELERATION, GRADEABILITY, AND TOP SPEED TEST

4-I. TEST OBJECTIVE

The objective of this test is to determine the acceleration, gradeability, and top speed capabilities of the bus.

4-II. TEST DESCRIPTION

In this test, the bus will be operated at SLW on the skid pad at the PSBRTF. The bus will be accelerated at full throttle from a standstill to a maximum "geared" or "safe" speed as determined by the test driver. The vehicle speed is measured using a Correvit non-contacting speed sensor. The times to reach speed between ten mile per hour increments are measured and recorded using a stopwatch with a lap timer. The time to speed data will be recorded on the Performance Data Form and later used to generate a speed vs. time plot and gradeability calculations.

4-III. DISCUSSION

This test consists of three runs in both the clockwise and counterclockwise directions on the Test Track. Velocity versus time data is obtained for each run and results are averaged together to minimize any test variability which might be introduced by wind or other external factors. The test was performed up to a maximum speed of 50 mph. The fitted curve of velocity vs. time is attached, followed by the calculated gradeability results. The average time to obtain 50 mph was 13.75 seconds.

PERFORMANCE DATA FORM

Bus Number: 0518		Date: 2-2-06	
Personnel: B.S., S.C. & T.S.			
Temperature (°F): 37		Humidity (%): 93	
Wind Direction: Calm		Wind Speed (mph): Calm	
Barometric Pressure (in.Hg): 29.91			
Air Conditioning compressor-OFF		___ Checked	
Ventilation fans-ON HIGH		___ Checked	
Heater pump motor-Off		___ Checked	
Defroster-OFF		___ Checked	
Exterior and interior lights-ON		___ Checked	
Windows and doors-CLOSED		___ Checked	
ACCELERATION, GRADEABILITY, TOP SPEED			
Counter Clockwise Recorded Interval Times			
Speed	Run 1	Run 2	Run 3
10 mph	2.02	2.15	1.90
20 mph	3.77	4.24	3.84
30 mph	5.99	6.24	5.87
40 mph	9.68	9.84	9.43
Top Test Speed(mph) 50	14.09	14.40	14.20
Clockwise Recorded Interval Times			
Speed	Run 1	Run 2	Run 3
10 mph	2.11	2.17	2.08
20 mph	3.88	4.14	3.86
30 mph	6.08	6.07	6.08
40 mph	9.36	9.28	9.30
Top Test Speed(mph) 50	13.42	13.08	13.33

0518.ACC

PERFORMANCE SUMMARY SHEET

BUS MANUFACTURER :Starcraft
BUS MODEL :Allstar-25

BUS NUMBER :0518
TEST DATE :2/2/06

TEST CONDITIONS :

TEMPERATURE (DEG F) : 37.0
WIND DIRECTION : calm
WIND SPEED (MPH) : .0
HUMIDITY (%) : 93
BAROMETRIC PRESSURE (IN. HG) : 29.9

VEHICLE SPEED (MPH)	AVERAGE TIME (SEC)		
	CCW DIRECTION	CW DIRECTION	TOTAL
10.0	2.02	2.12	2.07
20.0	3.95	3.96	3.96
30.0	6.03	6.08	6.06
40.0	9.65	9.31	9.48
50.0	14.23	13.28	13.75

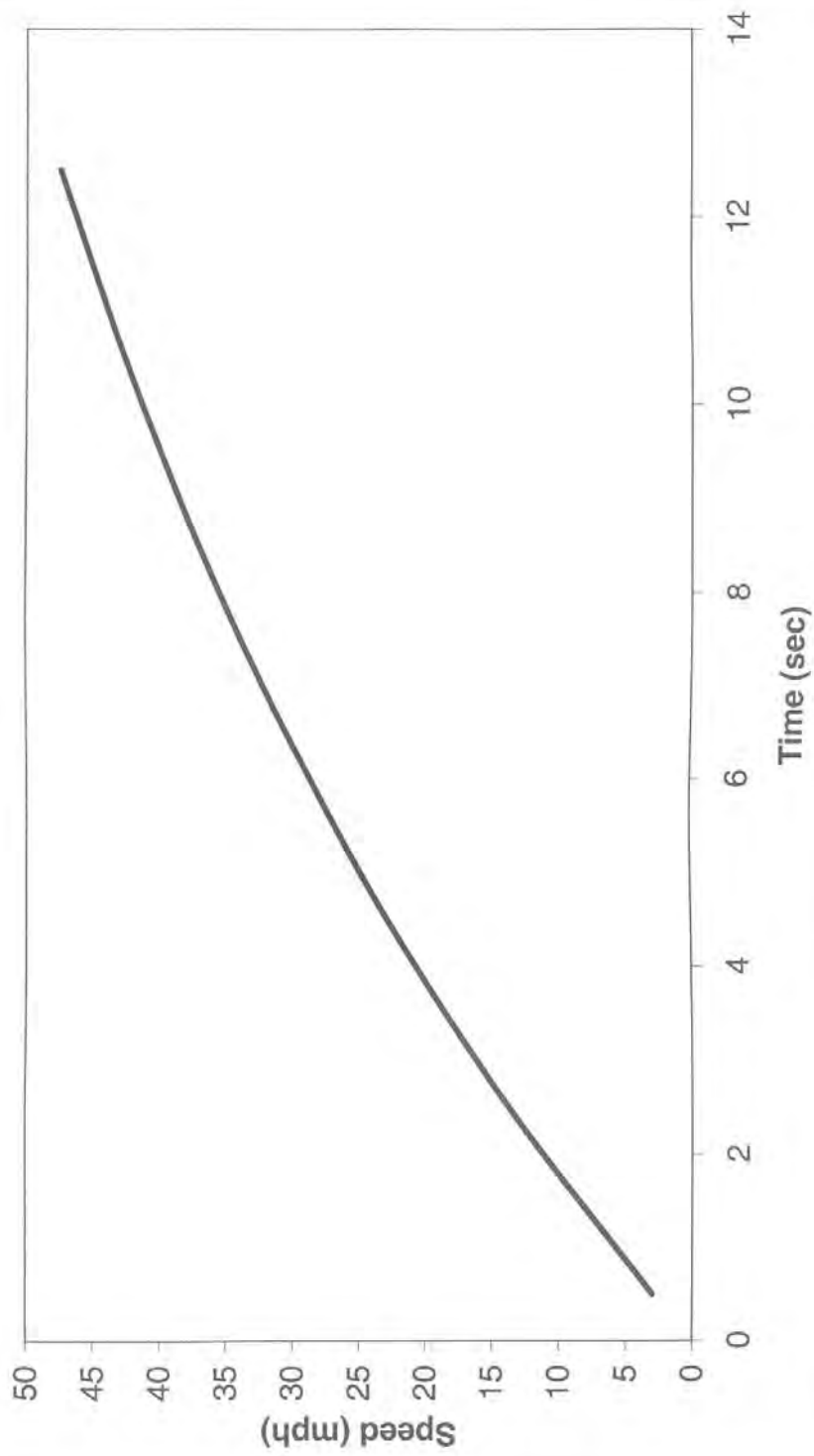
TEST SUMMARY :

VEHICLE SPEED (MPH)	TIME (SEC)	ACCELERATION (FT/SEC^2)	MAX. GRADE (%)
1.0	.16	8.9	28.6
5.0	.85	8.3	26.8
10.0	1.76	7.7	24.6
15.0	2.76	7.1	22.4
20.0	3.85	6.4	20.3
25.0	5.05	5.8	18.3
30.0	6.38	5.2	16.4
35.0	7.87	4.7	14.6
40.0	9.54	4.1	12.9
45.0	11.45	3.6	11.2
50.0	13.64	3.1	9.7

NOTE : Gradeability results were calculated from performance
----- test data. Actual sustained gradeability performance
for vehicles equipped with auto transmission may be
lower than the values indicated here.

t

Velocity vs. Time
Starcraft #0518



5. STRUCTURAL INTEGRITY

5.1 STRUCTURAL STRENGTH AND DISTORTION TESTS - STRUCTURAL SHAKEDOWN TEST

5.1-I. DISCUSSION

The objective of this test is to determine certain static characteristics (e.g., bus floor deflection, permanent structural deformation, etc.) under static loading conditions.

5.1-II. TEST DESCRIPTION

In this test, the bus will be isolated from the suspension by blocking the vehicle under the suspension points. The bus will then be loaded and unloaded up to a maximum of three times with a distributed load equal to 2.5 times gross load. Gross load is 150 lb for every designed passenger seating position, for the driver, and for each 1.5 sq ft of free floor space. For a distributed load equal to 2.5 times gross load, place a 375-lb load on each seat and on every 1.5 sq ft of free floor space. The first loading and unloading sequence will "settle" the structure. Bus deflection will be measured at several locations during the loading sequences.

5.1-III. DISCUSSION

This test was performed based on a maximum passenger capacity of 27 people including the driver and one wheelchair position. The resulting test load is $(27 \times 375 \text{ lb}) = 10,125 \text{ lb} + 600 \text{ lbs (wheelchair position)} = 10,725 \text{ lbs}$. The load is distributed evenly over the passenger space. Deflection data before and after each loading and unloading sequence is provided on the Structural Shakedown Data Form.

The unloaded height after each test becomes the original height for the next test. Some initial settling is expected due to undercoat compression, etc. After each loading cycle, the deflection of each reference point is determined. The bus is then unloaded and the residual (permanent) deflection is recorded. On the final test, the maximum loaded deflection was 0.224 inches at reference point 9. The maximum permanent deflection after the final loading sequence ranged from -0.003 inches at reference point 6 to 0.005 inches at reference points 1, 4 and 12.

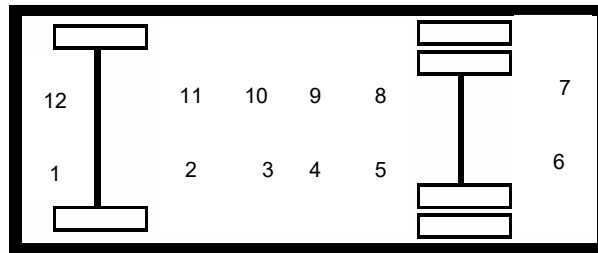
STRUCTURAL SHAKEDOWN DATA FORM

Bus Number: 0518	Date: 12-13-06
Personnel: D.L., E.L., K.D. & S.C.	Temperature (°F): 65
Loading Sequence: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 (check one)	
Test Load (lbs): 10,725	

Indicate Approximate Location of Each Reference Point

Right

Front
of
Bus



Left

Top View

Reference Point No.	A (in) Original Height	B (in) Loaded Height	B-A (in) Loaded Deflection	C (in) Unloaded Height	C-A (in) Permanent Deflection
1	0	-.085	-.085	-.015	-.015
2	0	.119	.119	.012	.012
3	0	.221	.221	.052	.052
4	0	.232	.232	.039	.039
5	0	.205	.205	.024	.024
6	0	-.066	-.066	-.011	-.011
7	0	-.015	-.015	-.021	-.021
8	0	.277	.277	.068	.068
9	0	.269	.269	.045	.045
10	0	.244	.244	.045	.045
11	0	.123	.123	.028	.028
12	0	-.009	-.009	-.011	-.011

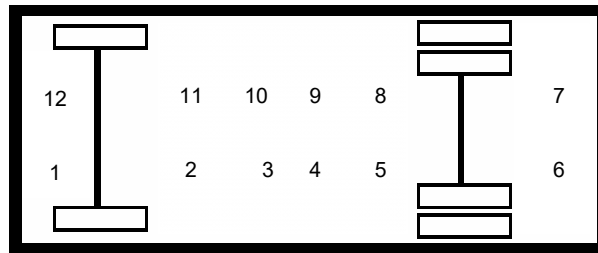
STRUCTURAL SHAKEDOWN DATA FORM

Bus Number: 0518	Date: 12-13-05
Personnel: D.L., E.L., T.S. & S.C.	Temperature (°F):
Loading Sequence: <input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 (check one)	
Test Load (lbs): 10,725	

Indicate Approximate Location of Each Reference Point

Right

Front
of
Bus



Left

Top View

Reference Point No.	A (in) Original Height	B (in) Loaded Height	B-A (in) Loaded Deflection	C (in) Unloaded Height	C-A (in) Permanent Deflection
1	-.015	-.086	-.071	-.020	.005
2	.012	.120	.108	.015	.003
3	.052	.228	.176	.056	.004
4	.039	.233	.194	.044	.005
5	.024	.205	.181	.027	.003
6	-.011	-.061	-.050	-.008	-.003
7	-.021	-.010	.011	-.023	.002
8	.068	.285	.217	.070	.002
9	.045	.269	.224	.047	.002
10	.045	.245	.200	.046	.001
11	.028	.124	.096	.032	.004
12	-.011	-.010	.001	-.016	.005

5.1 STRUCTURAL SHAKEDOWN TEST



**DIAL INDICATORS IN POSITION
BUS LOADED TO 2.5 TIMES GVL
(10,725 LBS)**

5.2 STRUCTURAL STRENGTH AND DISTORTION TESTS - STRUCTURAL DISTORTION

5.2-I. TEST OBJECTIVE

The objective of this test is to observe the operation of the bus subsystems when the bus is placed in a longitudinal twist simulating operation over a curb or through a pothole.

5.2-II. TEST DESCRIPTION

With the bus loaded to GVWR, each wheel of the bus will be raised (one at a time) to simulate operation over a curb and the following will be inspected:

1. Body
2. Windows
3. Doors
4. Roof vents
5. Special seating
6. Undercarriage
7. Engine
8. Service doors
9. Escape hatches
10. Steering mechanism

Each wheel will then be lowered (one at a time) to simulate operation through a pothole and the same items inspected.

5.2-III. DISCUSSION

The test sequence was repeated ten times. The first and last test is with all wheels level. The other eight tests are with each wheel 6 inches higher and 6 inches lower than the other three wheels.

All doors, windows, escape mechanisms, engine, steering and handicapped devices operated normally throughout the test. The undercarriage and body indicated no deficiencies. Water leakage was observed during the test at the top of the rear door between the door and the door frame. The results of this test are indicated on the following data forms.

DISTORTION TEST INSPECTION FORM

(Note: Ten copies of this data sheet are required)

Bus Number: 0518	Date: 12-14-05
Personnel: T.S., E.L., D.L. & S.C.	Temperature(°F): 65

Wheel Position : (check one)		
All wheels level	<input checked="" type="checkbox"/> before	<input type="checkbox"/> after
Left front	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right front	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right rear	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left rear	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower

	Comments
<input checked="" type="checkbox"/> Windows	No deficiencies.
<input checked="" type="checkbox"/> Front Doors	No deficiencies.
<input checked="" type="checkbox"/> Rear Doors	Leak at top between door and door frame.
<input checked="" type="checkbox"/> Escape Mechanisms/ Roof Vents	No deficiencies.
<input checked="" type="checkbox"/> Engine	No deficiencies.
<input checked="" type="checkbox"/> Handicapped Device/ Special Seating	Not equipped with a handicap device.
<input checked="" type="checkbox"/> Undercarriage	No deficiencies.
<input checked="" type="checkbox"/> Service Doors	No deficiencies.
<input checked="" type="checkbox"/> Body	No deficiencies.

■ Windows/ Body Leakage	No deficiencies.
■ Steering Mechanism	No deficiencies.

DISTORTION TEST INSPECTION FORM
 (Note: Ten copies of this data sheet are required)

Bus Number: 0518	Date: 12-14-05
Personnel: T.S., E.L., D.L. & S.C.	Temperature(°F): 65

Wheel Position : (check one)		
All wheels level	<input type="checkbox"/> before	<input type="checkbox"/> after
Left front	<input checked="" type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right front	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right rear	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left rear	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower

	Comments
■ Windows	No deficiencies.
■ Front Doors	No deficiencies.
■ Rear Doors	Leak at top between door and door frame.
■ Escape Mechanisms/ Roof Vents	No deficiencies.
■ Engine	No deficiencies.
■ Handicapped Device/ Special Seating	Not equipped with a handicap device.
■ Undercarriage	No deficiencies.
■ Service Doors	No deficiencies.
■ Body	No deficiencies.

■ Windows/ Body Leakage	No deficiencies.
■ Steering Mechanism	No deficiencies.

DISTORTION TEST INSPECTION FORM
 (Note: Ten copies of this data sheet are required)

Bus Number: 0518	Date: 12-14-05
Personnel: T.S., E.L., D.L. & S.C.	Temperature(°F): 65

Wheel Position : (check one)		
All wheels level	<input type="checkbox"/> before	<input type="checkbox"/> after
Left front	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right front	<input checked="" type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right rear	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left rear	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower

	Comments
■ Windows	No deficiencies.
■ Front Doors	No deficiencies.
■ Rear Doors	Leak at top between door and door frame.
■ Escape Mechanisms/ Roof Vents	No deficiencies.
■ Engine	No deficiencies.
■ Handicapped Device/ Special Seating	Not equipped with a handicap device.
■ Undercarriage	No deficiencies.
■ Service Doors	No deficiencies.
■ Body	No deficiencies.

■ Windows/ Body Leakage	No deficiencies.
■ Steering Mechanism	No deficiencies.

DISTORTION TEST INSPECTION FORM
 (Note: Ten copies of this data sheet are required)

Bus Number: 0518	Date: 12-14-05
Personnel: T.S., E.L., D.L. & S.C.	Temperature(°F): 65

Wheel Position : (check one)		
All wheels level	<input type="checkbox"/> before	<input type="checkbox"/> after
Left front	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right front	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right rear	<input checked="" type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left rear	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower

	Comments
■ Windows	No deficiencies.
■ Front Doors	No deficiencies.
■ Rear Doors	Leak at top between door and door frame.
■ Escape Mechanisms/ Roof Vents	No deficiencies.
■ Engine	No deficiencies.
■ Handicapped Device/ Special Seating	Not equipped with a handicap device.
■ Undercarriage	No deficiencies.
■ Service Doors	No deficiencies.
■ Body	No deficiencies.

■ Windows/ Body Leakage	No deficiencies.
■ Steering Mechanism	No deficiencies.

DISTORTION TEST INSPECTION FORM
 (Note: Ten copies of this data sheet are required)

Bus Number: 0518	Date: 12-14-05
Personnel: T.S., E.L., D.L. & S.C.	Temperature(°F): 65

Wheel Position : (check one)		
All wheels level	<input type="checkbox"/> before	<input type="checkbox"/> after
Left front	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right front	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right rear	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left rear	<input checked="" type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower

	Comments
■ Windows	No deficiencies.
■ Front Doors	No deficiencies.
■ Rear Doors	Leak at top between door and door frame.
■ Escape Mechanisms/ Roof Vents	No deficiencies.
■ Engine	No deficiencies.
■ Handicapped Device/ Special Seating	Not equipped with a handicap device.
■ Undercarriage	No deficiencies.
■ Service Doors	No deficiencies.
■ Body	No deficiencies.

■ Windows/ Body Leakage	No deficiencies.
■ Steering Mechanism	No deficiencies.

DISTORTION TEST INSPECTION FORM
 (Note: Ten copies of this data sheet are required)

Bus Number: 0518	Date: 12-14-05
Personnel: T.S., E.L., D.L. & S.C.	Temperature(°F): 65

Wheel Position : (check one)		
All wheels level	<input type="checkbox"/> before	<input type="checkbox"/> after
Left front	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right front	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right rear	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left rear	<input type="checkbox"/> 6 in higher	<input checked="" type="checkbox"/> 6 in lower
Right center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower

	Comments
■ Windows	No deficiencies.
■ Front Doors	No deficiencies.
■ Rear Doors	Leak at top between door and door frame.
■ Escape Mechanisms/ Roof Vents	No deficiencies.
■ Engine	No deficiencies.
■ Handicapped Device/ Special Seating	Not equipped with a handicap device.
■ Undercarriage	No deficiencies.
■ Service Doors	No deficiencies.
■ Body	No deficiencies.

■ Windows/ Body Leakage	No deficiencies.
■ Steering Mechanism	No deficiencies.

DISTORTION TEST INSPECTION FORM
 (Note: Ten copies of this data sheet are required)

Bus Number: 0518	Date: 12-14-05
Personnel: T.S., E.L., D.L. & S.C.	Temperature(°F): 65

Wheel Position : (check one)		
All wheels level	<input type="checkbox"/> before	<input type="checkbox"/> after
Left front	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right front	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right rear	<input type="checkbox"/> 6 in higher	<input checked="" type="checkbox"/> 6 in lower
Left rear	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower

	Comments
■ Windows	No deficiencies.
■ Front Doors	No deficiencies.
■ Rear Doors	Leak at top between door and door frame.
■ Escape Mechanisms/ Roof Vents	No deficiencies.
■ Engine	No deficiencies.
■ Handicapped Device/ Special Seating	Not equipped with a handicap device.
■ Undercarriage	No deficiencies.
■ Service Doors	No deficiencies.
■ Body	No deficiencies.

■ Windows/ Body Leakage	No deficiencies.
■ Steering Mechanism	No deficiencies.

DISTORTION TEST INSPECTION FORM
 (Note: Ten copies of this data sheet are required)

Bus Number: 0518	Date: 12-14-05
Personnel: T.S., E.L., D.L. & S.C.	Temperature(°F): 65

Wheel Position : (check one)		
All wheels level	<input type="checkbox"/> before	<input type="checkbox"/> after
Left front	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right front	<input type="checkbox"/> 6 in higher	<input checked="" type="checkbox"/> 6 in lower
Right rear	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left rear	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower

	Comments
■ Windows	No deficiencies.
■ Front Doors	No deficiencies.
■ Rear Doors	Leak at top between door and door frame.
■ Escape Mechanisms/ Roof Vents	No deficiencies.
■ Engine	No deficiencies.
■ Handicapped Device/ Special Seating	Not equipped with a handicap device.
■ Undercarriage	No deficiencies.
■ Service Doors	No deficiencies.
■ Body	No deficiencies.

■ Windows/ Body Leakage	No deficiencies.
■ Steering Mechanism	No deficiencies.

DISTORTION TEST INSPECTION FORM
 (Note: Ten copies of this data sheet are required)

Bus Number: 0518	Date: 12-14-05
Personnel: T.S., E.L., D.L. & S.C.	Temperature(°F): 65

Wheel Position : (check one)		
All wheels level	<input type="checkbox"/> before	<input type="checkbox"/> after
Left front	<input type="checkbox"/> 6 in higher	<input checked="" type="checkbox"/> 6 in lower
Right front	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right rear	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left rear	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower

	Comments
■ Windows	No deficiencies.
■ Front Doors	No deficiencies.
■ Rear Doors	Leak at top between door and door frame.
■ Escape Mechanisms/ Roof Vents	No deficiencies.
■ Engine	No deficiencies.
■ Handicapped Device/ Special Seating	Not equipped with a handicap device.
■ Undercarriage	No deficiencies.
■ Service Doors	No deficiencies.
■ Body	No deficiencies.

■ Windows/ Body Leakage	No deficiencies.
■ Steering Mechanism	No deficiencies.

DISTORTION TEST INSPECTION FORM
 (Note: Ten copies of this data sheet are required)

Bus Number: 0518	Date: 12-14-05
Personnel: T.S., E.L., D.L. & S.C.	Temperature(°F): 65

Wheel Position : (check one)		
All wheels level	<input type="checkbox"/> before	<input checked="" type="checkbox"/> after
Left front	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right front	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right rear	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left rear	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Right center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower
Left center	<input type="checkbox"/> 6 in higher	<input type="checkbox"/> 6 in lower

	Comments
<input checked="" type="checkbox"/> Windows	No deficiencies.
<input checked="" type="checkbox"/> Front Doors	No deficiencies.
<input checked="" type="checkbox"/> Rear Doors	Leak at top between door and door frame.
<input checked="" type="checkbox"/> Escape Mechanisms/ Roof Vents	No deficiencies.
<input checked="" type="checkbox"/> Engine	No deficiencies.
<input checked="" type="checkbox"/> Handicapped Device/ Special Seating	Not equipped with a handicap device.
<input checked="" type="checkbox"/> Undercarriage	No deficiencies
<input checked="" type="checkbox"/> Service Doors	No deficiencies.
<input checked="" type="checkbox"/> Body	No deficiencies.

■ Windows/ Body Leakage	No deficiencies.
■ Steering Mechanism	No deficiencies.

5.2 STRUCTURAL DISTORTION TEST



LEFT REAR WHEEL SIX INCHES LOWER



LEFT FRONT WHEEL SIX INCHES HIGHER

5.3 STRUCTURAL STRENGTH AND DISTORTION TESTS - STATIC TOWING TEST

5.3-I. TEST OBJECTIVE

The objective of this test is to determine the characteristics of the bus towing mechanisms under static loading conditions.

5.3-II. TEST DESCRIPTION

Utilizing a load-distributing yoke, a hydraulic cylinder is used to apply a static tension load equal to 1.2 times the bus curb weight. The load will be applied to both the front and rear, if applicable, towing fixtures at an angle of 20 degrees with the longitudinal axis of the bus, first to one side then the other in the horizontal plane, and then upward and downward in the vertical plane. Any permanent deformation or damage to the tow eyes or adjoining structure will be recorded.

5.3-III. DISCUSSION

The test bus submitted for testing was not equipped with any type of tow eyes or tow hooks, therefore, the Static Towing Test was not performed.

5.4 STRUCTURAL STRENGTH AND DISTORTION TESTS - DYNAMIC TOWING TEST

5.4-I. TEST OBJECTIVE

The objective of this test is to verify the integrity of the towing fixtures and determine the feasibility of towing the bus under manufacturer specified procedures.

5.4-II. TEST DESCRIPTION

This test requires the bus be towed at curb weight using the specified equipment and instructions provided by the manufacturer and a heavy-duty wrecker. The bus will be towed for 5 miles at a speed of 20 mph for each recommended towing configuration. After releasing the bus from the wrecker, the bus will be visually inspected for any structural damage or permanent deformation. All doors, windows and passenger escape mechanisms will be inspected for proper operation.

5.4-III. DISCUSSION

The bus was towed using a heavy-duty wrecker. The towing interface was accomplished by incorporating a hydraulic under lift. A front lift tow was performed. Rear towing is not recommended. No problems, deformation, or damage was noted during testing.

DYNAMIC TOWING TEST DATA FORM

Bus Number: 0518	Date: 2-13-06
Personnel: T.S. & S.C.	

Temperature (°F): 32	Humidity (%): 59
Wind Direction: NW	Wind Speed (mph): 8
Barometric Pressure (in.Hg): 30.05	

Inspect tow equipment-bus interface.
Comments: A safe and adequate connection was made between the tow equipment and the bus.
Inspect tow equipment-wrecker interface.
Comments: A safe and adequate connection was made between the tow equipment and the wrecker.
Towing Comments: A front lift tow was performed incorporating a hydraulic under lift wrecker.
Description and location of any structural damage: None noted.
General Comments: No problems were encountered with the tow or towing interface.

5.4 DYNAMIC TOWING TEST



TOWING INTERFACE

5.5 STRUCTURAL STRENGTH AND DISTORTION TESTS – JACKING TEST

5.5-I. TEST OBJECTIVE

The objective of this test is to inspect for damage due to the deflated tire, and determine the feasibility of jacking the bus with a portable hydraulic jack to a height sufficient to replace a deflated tire.

5.5-II. TEST DESCRIPTION

With the bus at curb weight, the tire(s) at one corner of the bus are replaced with deflated tire(s) of the appropriate type. A portable hydraulic floor jack is then positioned in a manner and location specified by the manufacturer and used to raise the bus to a height sufficient to provide 3-in clearance between the floor and an inflated tire. The deflated tire(s) are replaced with the original tire(s) and the hack is lowered. Any structural damage or permanent deformation is recorded on the test data sheet. This procedure is repeated for each corner of the bus.

5.5-III. DISCUSSION

The jack used for this test has a minimum height of 8.75 inches. During the deflated portion of the test, the jacking point clearances ranged from 8.8 inches to 20.1 inches. No deformation or damage was observed during testing. A complete listing of jacking point clearances is provided in the Jacking Test Data Form.

JACKING CLEARANCE SUMMARY

Condition	Frame Point Clearance
Front axle – one tire flat	15.3”
Rear axle – one tire flat	20.1”
Rear axle – two tires flat	17.7”

JACKING TEST DATA FORM

Bus Number: 0518	Date: 12-7-05
Personnel: E.L. & D.L.	Temperature (°F): 68

Record any permanent deformation or damage to bus as well as any difficulty encountered during jacking procedure.

Deflated Tire	Jacking Pad Clearance Body/Frame (in)	Jacking Pad Clearance Axle/Suspension (in)	Comments
Right front	17.3 " I 15.3 " D	11.2 " I 9.3 " D	None noted.
Left front	17.3 " I 15.3 " D	11.3 " I 9.3 " D	"
Right rear—outside	20.2 " I 20.1 " D	11.4 " I 11.2 " D	"
Right rear—both	20.2 " I 17.7 " D	11.4 " I 8.9 " D	"
Left rear—outside	20.3 " I 20.1 " D	11.4 " I 11.1 " D	"
Left rear—both	20.3 " I 17.7 " D	11.4 " I 8.8 " D	"
Right middle or tag—outside	NA	NA	
Right middle or tag—both	NA	NA	
Left middle or tag—outside	NA	NA	
Left middle or tag—both	NA	NA	
Additional comments of any deformation or difficulty during jacking:			
None noted.			

5.6 STRUCTURAL STRENGTH AND DISTORTION TESTS - HOISTING TEST

5.6-I. TEST OBJECTIVE

The objective of this test is to determine possible damage or deformation caused by the jack/stands.

5.6-II. TEST DESCRIPTION

With the bus at curb weight, the front end of the bus is raised to a height sufficient to allow manufacturer-specified placement of jack stands under the axles or jacking pads independent of the hoist system. The bus will be checked for stability on the jack stands and for any damage to the jacking pads or bulkheads. The procedure is repeated for the rear end of the bus. The procedure is then repeated for the front and rear simultaneously.

5.6-III. DISCUSSION

The test was conducted using four posts of a six-post electric lift and standard 19 inch jack stands. The bus was hoisted from the front wheel, rear wheel, and then the front and rear wheels simultaneously and placed on jack stands.

The bus easily accommodated the placement of the vehicle lifts and jack stands and the procedure was performed without any instability noted.

HOISTING TEST DATA FORM

Bus Number: 0518	Date: 12-12-05
Personnel: T.S. & S.C.	Temperature (°F): 66

Comments of any structural damage to the jacking pads or axles while both the front wheels are supported by the jack stands:
None noted.
Comments of any structural damage to the jacking pads or axles while both the rear wheels are supported by the jack stands:
None noted.
Comments of any structural damage to the jacking pads or axles while both the front and rear wheels are supported by the jack stands:
None noted.

5.7 STRUCTURAL DURABILITY TEST

5.7-I. TEST OBJECTIVE

The objective of this test is to perform an accelerated durability test that approximates up to 25 percent of the service life of the vehicle.

5.7-II. TEST DESCRIPTION

The test vehicle is driven a total of 7,500 miles; approximately 5,000 miles on the PSBRTF Durability Test Track and approximately 2,500 miscellaneous other miles. The test will be conducted with the bus operated under three different loading conditions. The first segment will consist of approximately 3,000 miles with the bus operated at GVW. The second segment will consist of approximately 1,500 miles with the bus operated at SLW. The remainder of the test, approximately 3,000 miles, will be conducted with the bus loaded to CW. If GVW exceeds the axle design weights, then the load will be adjusted to the axle design weights and the change will be recorded. All subsystems are run during these tests in their normal operating modes. All recommended manufacturers servicing is to be followed and noted on the vehicle maintainability log. Servicing items accelerated by the durability tests will be compressed by 10:1; all others will be done on a 1:1 mi/mi basis. Unscheduled breakdowns and repairs are recorded on the same log as are any unusual occurrences as noted by the driver. Once a week the test vehicle shall be washed down and thoroughly inspected for any signs of failure.

5.7-III. DISCUSSION

The Structural Durability Test was started on December 14, 2005 and was conducted until February 1, 2006. The first 3,000 miles were performed at a GVW of 13,950 lbs. and completed on January 6, 2006. The next 1,500 mile SLW segment was performed at 12,500 lbs and completed on January 16, 2006, and the final 3,000 mile segment was performed at a CW of 9,510 lbs and completed on February 1, 2006.

The following mileage summary presents the accumulation of miles during the Structural Durability Test. The driving schedule is included, showing the operating duty cycle. A detailed plan view of the Test Track Facility and Durability Test Track are attached for reference. Also, a durability element profile detail shows all the measurements of the different conditions. The test bus encountered no failures during the Structural Durability Test.

STARCRAFT - TEST BUS #0518
MILEAGE DRIVEN/RECORDED FROM DRIVERS= LOGS

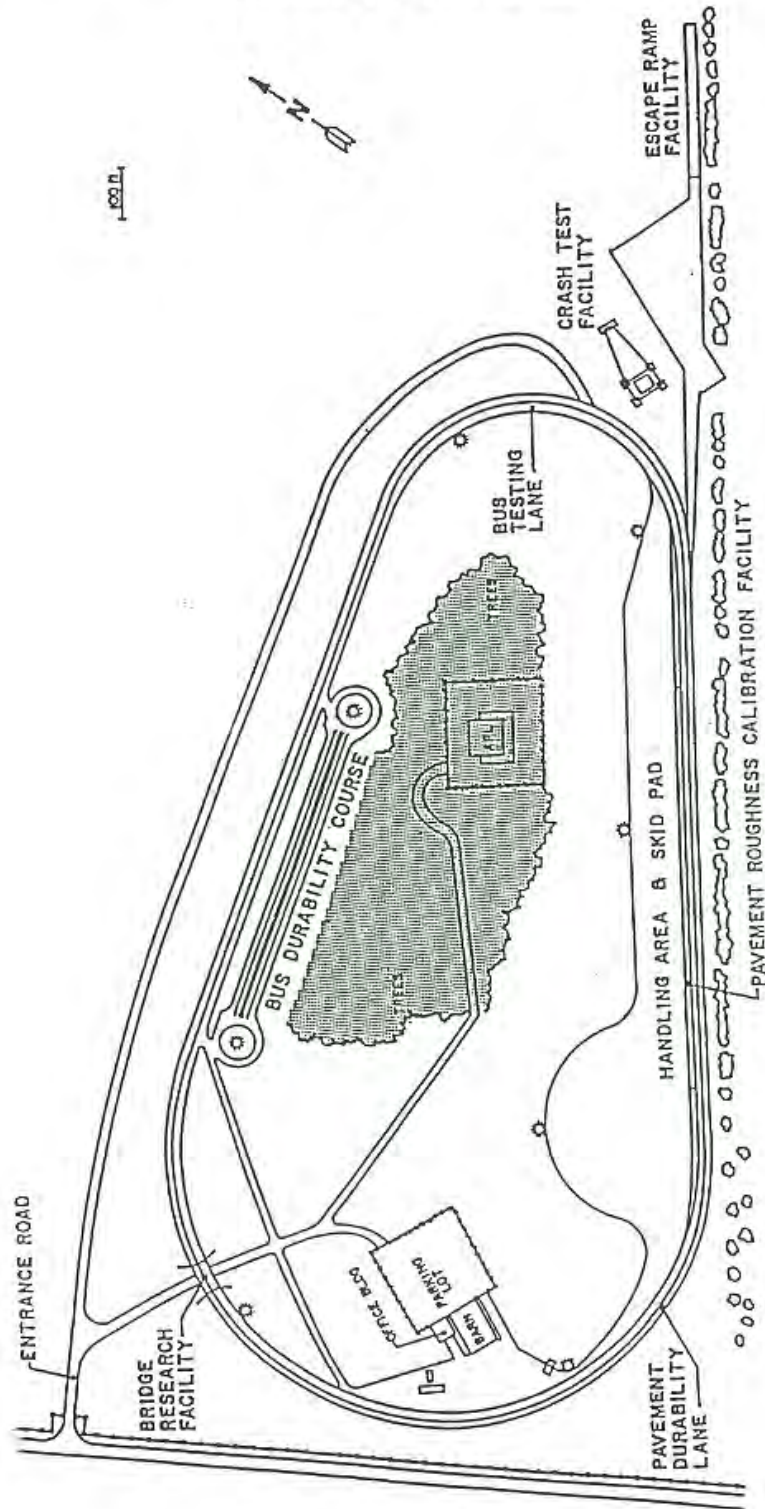
DATE	TOTAL DURABILITY TRACK	TOTAL OTHER MILES	TOTAL
12/12/05 TO 12/18/05	496.00	74.00	570.00
12/19/05 TO 12/25/05	801.00	138.00	939.00
12/26/05 TO 01/01/06	0.00	0.00	0.00
01/02/06 TO 01/08/06	703.00	309.00	1012.00
01/09/06 TO 01/15/06	889.00	875.00	1764.00
01/16/06 TO 01/22/06	972.00	728.00	1700.00
01/23/06 TO 01/29/06	1139.00	180.00	1319.00
01/30/06 TO 02/05/06	0.00	196.00	196.00
TOTAL	5000.00	2500.00	7500.00

Table 4. Driving Schedule for Bus Operation on the Durability Test Track.

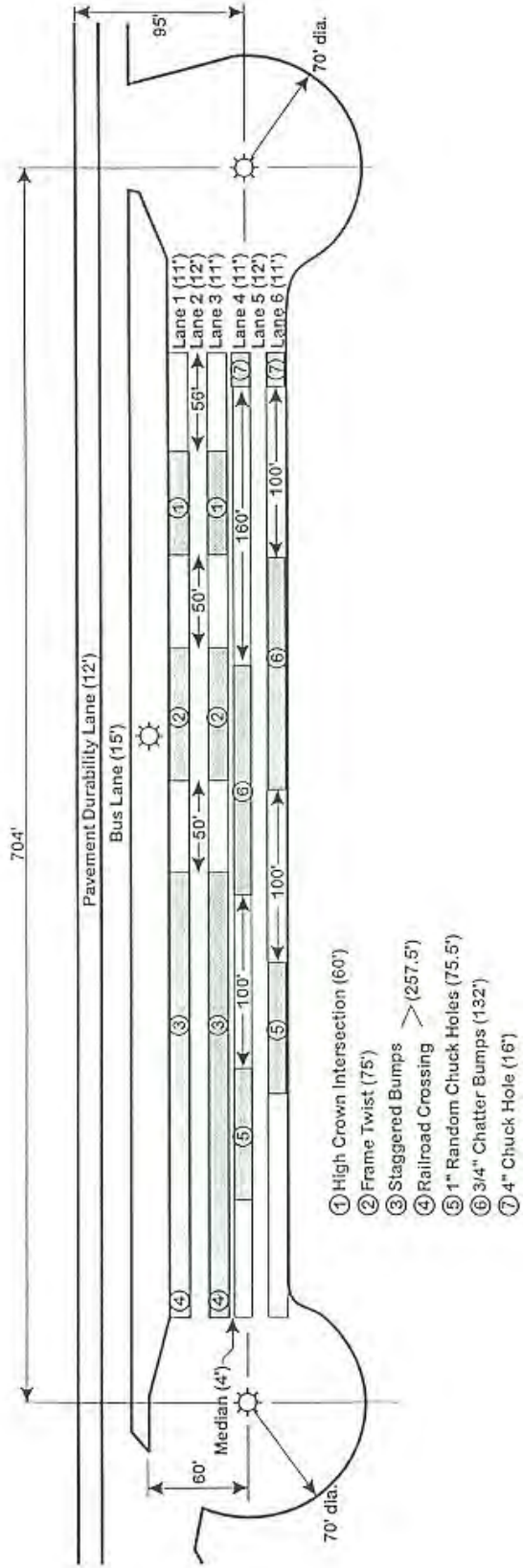
STANDARD OPERATING SCHEDULE		
Monday through Friday		
	HOUR	ACTION
Shift 1	midnight	D
	1:40 am	C
	1:50 am	B
	2:00 am	D
	3:35 am	C
	3:45 am	B
	4:05 am	D
	5:40 am	C
	5:50 am	B
	6:00 am	D
	7:40 am	C
Shift 2	7:50 am	F
	8:00 am	D
	9:40 am	C
	9:50 am	B
	10:00 am	D
	11:35 am	C
	11:45 am	B
	12:05 pm	D
	1:40 pm	C
	1:50 pm	B
	2:00 pm	D
Shift 3	3:40 pm	C
	3:50 pm	F
	4:00 pm	D
	5:40 pm	C
	5:50 pm	B
	6:00 pm	D
	7:40 pm	C
	7:50 pm	B
	8:05 pm	D
	9:40 pm	C
	9:50 pm	B
10:00 pm	D	
11:40 pm	C	
11:50 pm	F	

B—Break
 C—Cycle all systems five times, visual inspection, driver's log entries
 D—Drive bus as specified by procedure
 F—Fuel bus, complete driver's log shift entries

“PLAN VIEW OF PENN STATE BUS TESTING AND RESEARCH FACILITY”



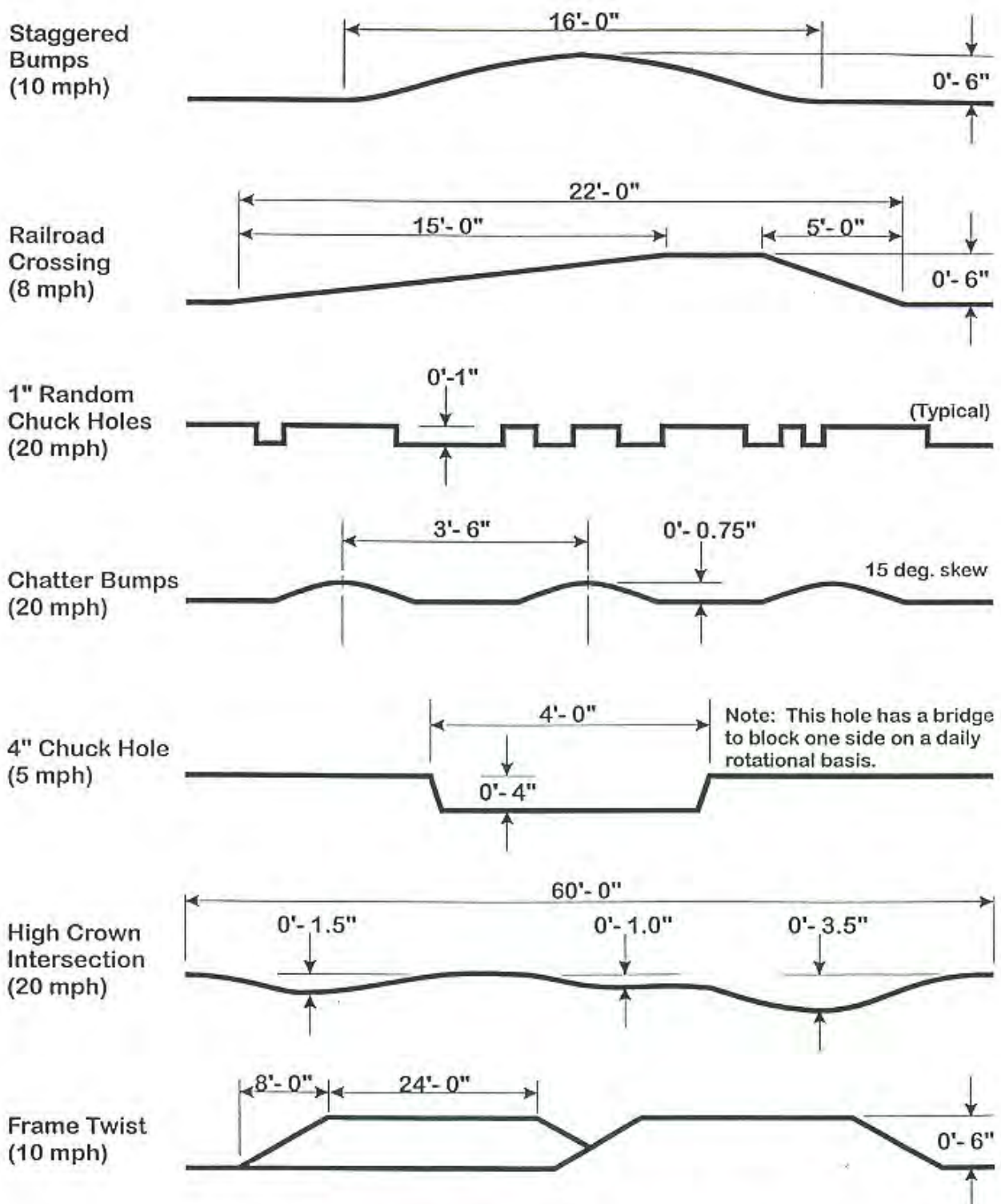
BUS TESTING AND RESEARCH TEST TRACK
UNIVERSITY PARK, PA



Plan View

Vehicle Durability Test Track

The Pennsylvania Transportation Institute
Penn State



Durability Element Profiles

The Pennsylvania Transportation Institute
Penn State

6. FUEL ECONOMY TEST - A FUEL CONSUMPTION TEST USING AN APPROPRIATE OPERATING CYCLE

6-I. TEST OBJECTIVE

The objective of this test is to provide accurate comparable fuel consumption data on transit buses produced by different manufacturers. This fuel economy test bears no relation to the calculations done by the Environmental Protection Agency (EPA) to determine levels for the Corporate Average Fuel Economy Program. EPA's calculations are based on tests conducted under laboratory conditions intended to simulate city and highway driving. This fuel economy test, as designated here, is a measurement of the fuel expended by a vehicle traveling a specified test loop under specified operating conditions. The results of this test will not represent actual mileage but will provide data that can be used by recipients to compare buses tested by this procedure.

6-II. TEST DESCRIPTION

This test requires operation of the bus over a course based on the Transit Coach Operating Duty Cycle (ADB Cycle) at seated load weight using a procedure based on the Fuel Economy Measurement Test (Engineering Type) For Trucks and Buses: SAE 1376 July 82. The procedure has been modified by elimination of the control vehicle and by modifications as described below. The inherent uncertainty and expense of utilizing a control vehicle over the operating life of the facility is impractical.

The fuel economy test will be performed as soon as possible (weather permitting) after the completion of the GVW portion of the structural durability test. It will be conducted on the bus test lane at the Penn State Test Facility. Signs are erected at carefully measured points which delineate the test course. A test run will comprise 3 CBD phases, 2 Arterial phases, and 1 Commuter phase. An electronic fuel measuring system will indicate the amount of fuel consumed during each phase of the test. The test runs will be repeated until there are at least two runs in both the clockwise and counterclockwise directions in which the fuel consumed for each run is within ∇ 4 percent of the average total fuel used over the 4 runs. A 20-minute idle consumption test is performed just prior to and immediately after the driven portion of the fuel economy test. The amount of fuel consumed while operating at normal/low idle is recorded on the Fuel Economy Data Form. This set of four valid runs along with idle consumption data comprise a valid test.

The test procedure is the ADB cycle with the following four modifications:

1. The ADB cycle is structured as a set number of miles in a fixed time in the following order: CBD, Arterial, CBD, Arterial, CBD, and Commuter. A separate idle fuel consumption measurement is performed at the beginning and end of the fuel economy test. This phase sequence permits the reporting of fuel consumption for each of these phases separately, making the data more useful to bus manufacturers and transit properties.
2. The operating profile for testing purposes shall consist of simulated transit type service at seated load weight. The three test phases (figure 6-1) are: a central business district (CBD) phase of 2 miles with 7 stops per mile and a top speed of 20 mph; an arterial phase of 2 miles with 2 stops per mile and a top speed of 40 mph; and a commuter phase of 4 miles with 1 stop and a maximum speed of 40 mph. At each designated stop the bus will remain stationary for seven seconds. During this time, the passenger doors shall be opened and closed.
3. The individual ADB phases remain unaltered with the exception that 1 mile has been changed to 1 lap on the Penn State Test Track. One lap is equal to 5,042 feet. This change is accommodated by adjusting the cruise distance and time.
4. The acceleration profile, for practical purposes and to achieve better repeatability, has been changed to "full throttle acceleration to cruise speed".

Several changes were made to the Fuel Economy Measurement Test (Engineering Type) For Trucks and Buses: SAE 1376 July 82:

1. Sections 1.1, and 1.2 only apply to diesel, gasoline, methanol, and any other fuel in the liquid state (excluding cryogenic fuels).

1.1 SAE 1376 July 82 requires the use of at least a 16-gal fuel tank. Such a fuel tank when full would weigh approximately 160 lb. It is judged that a 12-gal tank weighing approximately 120 lb will be sufficient for this test and much easier for the technician and test personnel to handle.

1.2 SAE 1376 July 82 mentions the use of a mechanical scale or a flowmeter system. This test procedure uses a load cell readout combination that provides an accuracy of 0.5 percent in weight and permits on-board weighing of the gravimetric tanks at the end of each phase. This modification permits the determination of a fuel economy value for each phase as well as the overall cycle.

2. Section 2.1 applies to compressed natural gas (CNG), liquefied natural gas (LNG), cryogenic fuels, and other fuels in the vapor state.

2.1 A laminar type flowmeter will be used to determine the fuel consumption. The pressure and temperature across the flow element will be monitored by the flow computer. The flow computer will use this data to calculate the gas flow rate. The flow computer will also display the flow rate (scfm) as well as the total fuel used (scf). The total fuel used (scf) for each phase will be recorded on the Fuel Economy Data Form.

3. Use both Sections 1 and 2 for dual fuel systems.

FUEL ECONOMY CALCULATION PROCEDURE

A. For diesel, gasoline, methanol and fuels in the liquid state.

The reported fuel economy is based on the following: measured test quantities-- distance traveled (miles) and fuel consumed (pounds); standard reference values-- density of water at 60EF (8.3373 lbs/gal) and volumetric heating value of standard fuel; and test fuel specific gravity (unitless) and volumetric heating value (BTU/gal). These combine to give a fuel economy in miles per gallon (mpg) which is corrected to a standard gallon of fuel referenced to water at 60EF. This eliminates fluctuations in fuel economy due to fluctuations in fuel quality. This calculation has been programmed into a computer and the data processing is performed automatically.

The fuel economy correction consists of three steps:

- 1.) Divide the number of miles of the phase by the number of pounds of fuel consumed

<u>phase</u>	<u>miles per phase</u>	<u>total miles per run</u>
CBD	1.9097	5.7291
ART	1.9097	3.8193
COM	3.8193	3.8193

$$FE_{o_{mi/lb}} = \text{Observed fuel economy} = \frac{\text{miles}}{\text{lb of fuel}}$$

- 2.) Convert the observed fuel economy to miles per gallon [mpg] by multiplying by the specific gravity of the test fuel G_s (referred to water) at 60EF and multiply by the density of water at 60EF

$$FE_{\text{mpg}} = FE_{\text{mi/lb}} \times G_s \times G_w$$

where G_s = Specific gravity of test fuel at 60EF (referred to water)
 G_w = 8.3373 lb/gal

- 3.) Correct to a standard gallon of fuel by dividing by the volumetric heating value of the test fuel (H) and multiplying by the volumetric heating value of standard reference fuel (Q). Both heating values must have the same units.

$$FE_c = FE_{\text{mpg}} \times \frac{Q}{H}$$

where

H = Volumetric heating value of test fuel [BTU/gal]
 Q = Volumetric heating value of standard reference fuel

Combining steps 1-3 yields

$$\Rightarrow FE_c = \frac{\text{miles}}{\text{lbs}} \times (G_s \times G_w) \times \frac{Q}{H}$$

- 4.) Convert the fuel economy from mpg to an energy equivalent of miles per BTU. Since the number would be extremely small in magnitude, the energy equivalent will be represented as miles/BTU $\times 10^6$.

Eq = Energy equivalent of converting mpg to mile/BTU $\times 10^6$.

$$Eq = ((\text{mpg})/(H)) \times 10^6$$

B. CNG, LNG, cryogenic and other fuels in the vapor state.

The reported fuel economy is based on the following: measured test quantities-- distance traveled (miles) and fuel consumed (scf); density of test fuel, and volumetric heating value (BTU/lb) of test fuel at standard conditions ($P=14.73$ psia and $T=60$ EF).

These combine to give a fuel economy in miles per lb. The energy equivalent (mile/BTUx10⁶) will also be provided so that the results can be compared to buses that use other fuels.

- 1.) Divide the number of miles of the phase by the number of standard cubic feet (scf) of fuel consumed.

phase	miles per phase	total miles per run
CBD	1.9097	5.7291
ART	1.9097	3.8193
COM	3.8193	3.8193

$$FEO_{mi/scf} = \text{Observed fuel economy} = \frac{\text{miles}}{\text{scf of fuel}}$$

- 2.) Convert the observed fuel economy to miles per lb by dividing FEO by the density of the test fuel at standard conditions (Lb/ft³).

Note: The density of test fuel must be determined at standard conditions as described above. If the density is not defined at the above standard conditions, then a correction will be needed before the fuel economy can be calculated.

$$FEO_{mi/lb} = FEO / G_m$$

where G_m = Density of test fuel at standard conditions

- 3.) Convert the observed fuel economy (FEOmi/lb) to an energy equivalent of (miles/BTUx10⁶) by dividing the observed fuel economy (FEOmi/lb) by the heating value of the test fuel at standard conditions.

$$Eq = ((FEO_{mi/lb})/H) \times 10^6$$

where

Eq = Energy equivalent of miles/lb to mile/BTUx10⁶

H = Volumetric heating value of test fuel at standard conditions

6-III. DISCUSSION

This is a comparative test of fuel economy using unleaded gasoline fuel with a heating value of 20,025.0 btu/lb. The driving cycle consists of Central Business District (CBD), Arterial (ART), and Commuter (COM) phases as described in 6-II. The fuel consumption for each driving cycle and for idle is measured separately. The results are corrected to a reference fuel with a volumetric heating value of 127,700.0 btu/gal.

An extensive pretest maintenance check is made including the replacement of all lubrication fluids. The details of the pretest maintenance are given in the first three Pretest Maintenance Forms. The fourth sheet shows the Pretest Inspection. The next sheet shows the correction calculation for the test fuel. The next four Fuel Economy Forms provide the data from the four test runs. Finally, the summary sheet provides the average fuel consumption. The overall average is based on total fuel and total mileage for each phase. The overall average fuel consumption values were; CBD – 6.39 mpg, ART – 6.90 mpg, and COM – 10.17 mpg. Average fuel consumption at idle was 4.10 lb/hr (0.65 gph).

FUEL ECONOMY PRE-TEST MAINTENANCE FORM

Bus Number: 0518	Date: 1-30-06	SLW (lbs): 12,500
Personnel: T.S., E.L. & D.L.		

FUEL SYSTEM	OK	Date	Initials
Install fuel measurement system	✓	1/30/06	T.S.
Replace fuel filter	✓	1/30/06	T.S.
Check for fuel leaks	✓	1/30/06	T.S.
Specify fuel type (refer to fuel analysis)	Gasoline		
Remarks: None noted.			
BRAKES/TIRES	OK	Date	Initials
Inspect hoses	✓	1/30/06	T.S.
Inspect brakes	✓	1/30/06	T.S.
Relube wheel bearings	✓	1/30/06	T.S.
Check tire inflation pressures (mfg. specs.)	✓	1/30/06	T.S.
Remarks: None noted.			
COOLING SYSTEM	OK	Date	Initials
Check hoses and connections	✓	1/30/06	D.L.
Check system for coolant leaks	✓	1/30/06	D.L.
Remarks: None noted.			

FUEL ECONOMY PRE-TEST MAINTENANCE FORM (page 2)

Bus Number: 0518	Date: 1-30-06		
Personnel: T.S., E.L. & D.L.			
ELECTRICAL SYSTEMS	OK	Date	Initials
Check battery		1/30/06	T.S.
Inspect wiring		1/30/06	T.S.
Inspect terminals		1/30/06	T.S.
Check lighting		1/30/06	T.S.
Remarks: None noted.			
DRIVE SYSTEM	OK	Date	Initials
Drain transmission fluid		1/30/06	D.L.
Replace filter/gasket		1/30/06	E.L.
Check hoses and connections		1/30/06	D.L.
Replace transmission fluid		1/30/06	E.L.
Check for fluid leaks		1/30/06	E.L.
Remarks: None noted.			
LUBRICATION	OK	Date	Initials
Drain crankcase oil		1/30/06	E.L.
Replace filters		1/30/06	D.L.
Replace crankcase oil		1/30/06	T.S.
Check for oil leaks		1/30/06	E.L.
Check oil level		1/30/06	T.S.
Lube all chassis grease fittings		1/30/06	E.L.
Lube universal joints		1/30/06	E.L.
Replace differential lube including axles		1/30/06	D.L.
Remarks: None noted.			

FUEL ECONOMY PRE-TEST MAINTENANCE FORM (page 3)

Bus Number: 0518	Date: 1-30-06		
Personnel: T.S., E.L. & D.L.			
EXHAUST/EMISSION SYSTEM	OK	Date	Initials
Check for exhaust leaks		1/30/06	T.S.
Remarks: None noted.			
ENGINE	OK	Date	Initials
Replace air filter		1/30/06	E.L.
Inspect air compressor and air system	N/A	1/30/06	E.L.
Inspect vacuum system, if applicable		1/30/06	D.L.
Check and adjust all drive belts		1/30/06	E.L.
Check cold start assist, if applicable	N/A	1/30/06	E.L.
Remarks: None noted.			
STEERING SYSTEM	OK	Date	Initials
Check power steering hoses and connectors		1/30/06	E.L.
Service fluid level		1/30/06	E.L.
Check power steering operation		1/30/06	E.L.
Remarks: None noted.			
	OK	Date	Initials
Ballast bus to seated load weight		1/30/06	T.S.
TEST DRIVE	OK	Date	Initials
Check brake operation		1/30/06	T.S.
Check transmission operation		1/30/06	T.S.
Remarks: None noted.			

FUEL ECONOMY PRE-TEST INSPECTION FORM

Bus Number: 0518	Date: 1-31-06
Personnel: T.S. & S.C.	
PRE WARM-UP	If OK, Initial
Fuel Economy Pre-Test Maintenance Form is complete	T.S.
Cold tire pressure (psi): Front <u>80</u> Middle <u>N/A</u> Rear <u>80</u>	T.S.
Tire wear:	T.S.
Engine oil level	T.S.
Engine coolant level	T.S.
Interior and exterior lights on, evaporator fan on	T.S.
Fuel economy instrumentation installed and working properly.	T.S.
Fuel line -- no leaks or kinks	T.S.
Speed measuring system installed on bus. Speed indicator installed in front of bus and accessible to TECH and Driver.	S.C. & T.S.
Bus is loaded to SLW	T.S.
WARM-UP	If OK, Initial
Bus driven for at least one hour warm-up	S.C.
No extensive or black smoke from exhaust	S.C.
POST WARM-UP	If OK, Initial
Warm tire pressure (psi): Front <u>80</u> Middle <u>N/A</u> Rear <u>80</u>	T.S.
Environmental conditions Average wind speed <12 mph and maximum gusts <15 mph Ambient temperature between 30°F(-1C°) and 90°F(32°C) Track surface is dry Track is free of extraneous material and clear of interfering traffic	T.S.

FUEL ECONOMY DATA FORM (Liquid Fuels)

Bus Number: 0518		Manufacturer: Starcraft		Date: 1-31-06			
Run Number: 1		Personnel: B.S., T.S. & S.C.					
Test Direction: <input type="checkbox"/> CW or <input checked="" type="checkbox"/> CCW		Temperature (°F): 38		Humidity (%): 61			
SLW (lbs): 12,500		Wind Speed (mph) & Direction: 12/WNW		Barometric Pressure (in.Hg): 29.80			
Cycle Type	Time (min:sec)		Cycle Time (min:sec)	Fuel Temperature (°C)	Load Cell Reading (lb)		Fuel Used (lbs)
	Start	Finish		Start	Start	Finish	
CBD #1	0	8:20	8:20	5.5	0	1.95	1.95
ART #1	0	3:54	3:54	4.5	0	1.74	1.74
CBD #2	0	8:25	8:25	4.5	0	1.82	1.82
ART #2	0	3:59	3:59	4.5	0	1.70	1.70
CBD #3	0	8:21	8:21	4.5	0	1.88	1.88
COMMUTER	0	5:51	5:51	4.0	0	2.37	2.37
Total Fuel = 11.46 lbs							
20 minute idle : Total Fuel Used = 1.36 lbs							
Heating Value = 20,025.0 BTU/LB							
Comments: None noted.							

FUEL ECONOMY DATA FORM (Liquid Fuels)

Bus Number: 0518		Manufacturer: Starcraft		Date: 1-31-06			
Run Number: 2		Personnel: B.S., T.S. & S.C.					
Test Direction: <input checked="" type="checkbox"/> CW or <input type="checkbox"/> CCW		Temperature (°F): 38			Humidity (%): 61		
SLW (lbs): 12,500		Wind Speed (mph) & Direction: 12/WNW			Barometric Pressure (in.Hg): 29.80		
Cycle Type	Time (min:sec)		Cycle Time (min:sec)	Fuel Temperature (°C)	Load Cell Reading (lb)		Fuel Used (lbs)
	Start	Finish		Start	Start	Finish	
CBD #1	0	8:45	8:45	4.0	0	1.82	1.82
ART #1	0	3:57	3:57	4.0	0	1.68	1.68
CBD #2	0	8:25	8:25	3.5	0	1.88	1.88
ART #2	0	3:56	3:56	3.5	0	1.80	1.80
CBD #3	0	8:24	8:24	3.5	0	1.87	1.87
COMMUTER	0	6:06	6:06	3.5	0	2.40	2.40
Total Fuel = 11.45 lbs							
20 minute idle : Total Fuel Used = N/A lbs							
Heating Value = 20,025.0 BTU/LB							
Comments: None noted.							

FUEL ECONOMY DATA FORM (Liquid Fuels)

Bus Number: 0518		Manufacturer: Starcraft			Date: 2/1/06		
Run Number: 3		Personnel: B.S., T.S. & S.C.					
Test Direction: <input type="checkbox"/> CW or <input checked="" type="checkbox"/> CCW		Temperature (°F): 36			Humidity (%): 65		
SLW (lbs): 12,500		Wind Speed (mph) & Direction: 5/SSW			Barometric Pressure (in.Hg): 29.96		
Cycle Type	Time (min:sec)		Cycle Time (min:sec)	Fuel Temperature (°C)	Load Cell Reading (lb)		Fuel Used (lbs)
	Start	Finish		Start	Start	Finish	
CBD #1	0	8:51	8:51	4.0	0	1.87	1.87
ART #1	0	3:53	3:53	4.0	0	1.77	1.77
CBD #2	0	8:33	8:33	4.0	0	1.89	1.89
ART #2	0	3:55	3:55	4.0	0	1.76	1.76
CBD #3	0	8:36	8:36	4.5	0	1.93	1.93
COMMUTER	0	6:05	6:05	4.5	0	2.39	2.39
Total Fuel = 11.61 lbs							
20 minute idle : Total Fuel Used = N/A lbs							
Heating Value = 20,025.0 BTU/LB							
Comments: None noted.							

FUEL ECONOMY DATA FORM (Liquid Fuels)

Bus Number: 0518		Manufacturer: Starcraft			Date: 2-1-06		
Run Number: 4		Personnel: B.S., T.S. & S.C.					
Test Direction: <input checked="" type="checkbox"/> CW or <input type="checkbox"/> CCW		Temperature (°F): 36			Humidity (%): 65		
SLW (lbs): 12,500		Wind Speed (mph) & Direction: 5/SSW			Barometric Pressure (in.Hg): 29.96		
Cycle Type	Time (min:sec)		Cycle Time (min:sec)	Fuel Temperature (°C)	Load Cell Reading (lb)		Fuel Used (lbs)
	Start	Finish		Start	Start	Finish	
CBD #1	0	8:38	8:38	3.5	0	1.94	1.94
ART #1	0	3:59	3:59	4.5	0	1.81	1.81
CBD #2	0	8:37	8:37	5.5	0	1.92	1.92
ART #2	0	3:55	3:55	5.5	0	1.76	1.76
CBD #3	0	8:36	8:36	4.5	0	1.93	1.93
COMMUTER	0	5:58	5:58	5.0	0	2.35	2.35
Total Fuel = 11.71 lbs							
20 minute idle : Total Fuel Used = 1.37 lbs							
Heating Value = 20,025.0 BTU/LB							
Comments: None noted.							

0518.FUL
FUEL ECONOMY SUMMARY SHEET

BUS MANUFACTURER :Starcraft BUS NUMBER :0518
BUS MODEL :Allstar-25 TEST DATE :1/31/06

FUEL TYPE : GASOLINE
SP. GRAVITY : .7512
HEATING VALUE : 20025.00 BTU/Lb
Standard Conditions : 60 deg F and 14.7 psi
Density of water : 8.3373 lb/gallon at 60 deg F

CYCLE	TOTAL FUEL USED (Lb)	TOTAL MILES	FUEL ECONOMY M/Lb(Measured)	FUEL ECONOMY MPG(Corrected)
Run # :1, CCW				
CBD	5.65	5.73	1.01	6.42
ART	3.44	3.82	1.11	7.03
COM	2.37	3.82	1.61	10.20
TOTAL	11.46	13.37	1.17	7.38
Run # :2, CW				
CBD	5.57	5.73	1.03	6.51
ART	3.48	3.82	1.10	6.95
COM	2.40	3.82	1.59	10.07
TOTAL	11.45	13.37	1.17	7.39
Run # :3, CCW				
CBD	5.69	5.73	1.01	6.37
ART	3.53	3.82	1.08	6.85
COM	2.39	3.82	1.60	10.11
TOTAL	11.61	13.37	1.15	7.29
Run # :4, CW				
CBD	5.79	5.73	.99	6.26
ART	3.57	3.82	1.07	6.77
COM	2.35	3.82	1.63	10.28
TOTAL	11.71	13.37	1.14	7.22

IDLE CONSUMPTION

First 20 Minutes Data : 1.36 Lb Last 20 Minutes Data : 1.37 Lb
Average Idle Consumption : 4.10 Lb/Hr

RUN CONSISTENCY: % Difference from overall average of total fuel used

Run 1 : .8 Run 2 : .9 Run 3 : -.5 Run 4 : -1.3

SUMMARY

Average Idle Consumption : .65 G/Hr
Average CBD Phase Consumption : 6.39 MPG
Average Arterial Phase Consumption : 6.90 MPG
Average Commuter Phase Consumption : 10.17 MPG
Overall Average Fuel Consumption : 7.32 MPG
Overall Average Fuel Consumption : 58.37 Miles/ Million BTU

7. NOISE

7.1 INTERIOR NOISE AND VIBRATION TESTS

7.1-I. TEST OBJECTIVE

The objective of these tests is to measure and record interior noise levels and check for audible vibration under various operating conditions.

7.1-II. TEST DESCRIPTION

During this series of tests, the interior noise level will be measured at several locations with the bus operating under the following three conditions:

1. With the bus stationary, a white noise generating system shall provide a uniform sound pressure level equal to 80 dB(A) on the left, exterior side of the bus. The engine and all accessories will be switched off and all openings including doors and windows will be closed. This test will be performed at the ABTC.
2. The bus accelerating at full throttle from a standing start to 35 mph on a level pavement. All openings will be closed and all accessories will be operating during the test. This test will be performed on the track at the Test Track Facility.
3. The bus will be operated at various speeds from 0 to 55 mph with and without the air conditioning and accessories on. Any audible vibration or rattles will be noted. This test will be performed on the test segment between the Test Track and the Bus Testing Center.

All tests will be performed in an area free from extraneous sound-making sources or reflecting surfaces. The ambient sound level as well as the surrounding weather conditions will be recorded in the test data.

7.1-III. DISCUSSION

This test is performed in three parts. The first part exposes the exterior of the vehicle to 80.0 dB(A) on the left side of the bus and the noise transmitted to the interior is measured. The overall average of the six measurements was 48.0 dB(A); ranging from 47.1 dB(A) at the rear passenger seats to 50.9 dB(A) at the driver's seat. The interior ambient noise level for this test was < 34.0 dB(A).

The second test measures interior noise during acceleration from 0 to 35 mph. This noise level ranged from 69.4 dB(A) at the front passenger seats to 71.7 dB(A) at the rear passenger seats. The overall average was 71.0 dB(A). The interior ambient noise level for this test was 38.6 dB(A).

The third part of the test is to listen for resonant vibrations, rattles, and other noise sources while operating over the road. No vibrations or rattles were noted.

INTERIOR NOISE TEST DATA FORM
Test Condition 1: 80 dB(A) Stationary White Noise

Bus Number: 0518	Date: 2/8/06
Personnel: T.S. & S.C.	
Temperature (°F): 33	Humidity (%): 67
Wind Speed (mph): Calm	Wind Direction: Calm
Barometric Pressure (in.Hg): 30.10	
Initial Sound Level Meter Calibration: ■ checked by: S.C.	
Interior Ambient Noise Level dB(A): < 34.0	Exterior Ambient Noise Level dB(A): 45.1
Microphone Height During Testing (in): 48.0	

Measurement Location	Measured Sound Level dB(A)
Driver's Seat	50.9
Front Passenger Seats	47.6
In Line with Front Speaker	47.8
In Line with Middle Speaker	47.6
In Line with Rear Speaker	47.2
Rear Passenger Seats	47.1

Final Sound Level Meter Calibration: ■ checked by: S.C.

Comments: All readings taken in the center aisle.

INTERIOR NOISE TEST DATA FORM
Test Condition 2: 0 to 35 mph Acceleration Test

Bus Number: 0518	Date: 2-2-06
Personnel: B.S., S.C. & T.S.	
Temperature (°F): 37	Humidity (%): 93
Wind Speed (mph): Calm	Wind Direction: Calm
Barometric Pressure (in.Hg): 29.91	
Initial Sound Level Meter Calibration: ■ checked by: S.C.	
Interior Ambient Noise Level dB(A): 38.6	Exterior Ambient Noise Level dB(A): 53.2
Microphone Height During Testing (in): 48.0	

Measurement Location	Measured Sound Level dB(A)
Driver's Seat	71.5
Front Passenger Seats	69.4
Middle Passenger Seats	71.5
Rear Passenger Seats	71.7

Final Sound Level Meter Calibration: ■ checked by: S.C.

Comments: All readings taken in the center aisle.

INTERIOR NOISE TEST DATA FORM
Test Condition 3: Audible Vibration Test

Bus Number: 0518	Date: 2-2-06
Personnel: B.S., S.C. & T.S.	
Temperature (°F): 37	Humidity (%): 93
Wind Speed (mph): Calm	Wind Direction: Calm
Barometric Pressure (in.Hg): 29.91	

Describe the following possible sources of noise and give the relative location on the bus.

Source of Noise	Location
Engine and Accessories	None noted.
Windows and Doors	None noted.
Seats and Wheel Chair lifts	None noted.

Comment on any other vibration or noise source which may have occurred that is not described above: None noted.

7.1 INTERIOR NOISE TEST



**TEST BUS SET-UP FOR 80 dB(A)
INTERIOR NOISE TEST**

7.2 EXTERIOR NOISE TESTS

7.2-I. TEST OBJECTIVE

The objective of this test is to record exterior noise levels when a bus is operated under various conditions.

7.2-II. TEST DESCRIPTION

In the exterior noise tests, the bus will be operated at a SLW in three different conditions using a smooth, straight and level roadway:

1. Accelerating at full throttle from a constant speed at or below 35 mph and just prior to transmission up shift.
2. Accelerating at full throttle from standstill.
3. Stationary, with the engine at low idle, high idle, and wide open throttle.

In addition, the buses will be tested with and without the air conditioning and all accessories operating. The exterior noise levels will be recorded.

The test site is at the PSBRTF and the test procedures will be in accordance with SAE Standards SAE J366b, Exterior Sound Level for Heavy Trucks and Buses. The test site is an open space free of large reflecting surfaces. A noise meter placed at a specified location outside the bus will measure the noise level.

During the test, special attention should be paid to:

1. The test site characteristics regarding parked vehicles, signboards, buildings, or other sound-reflecting surfaces
2. Proper usage of all test equipment including set-up and calibration
3. The ambient sound level

7.2-III. DISCUSSION

The Exterior Noise Test determines the noise level generated by the vehicle under different driving conditions and at stationary low and high idle, with and without air conditioning and accessories operating. The test site is a large, level, bituminous paved area with no reflecting surfaces nearby.

With an exterior ambient noise level of 51.6 dB(A), the average test result obtained while accelerating from a constant speed was 73.2 dB(A) on the right side and 73.0 dB(A) on the left side.

When accelerating from a standstill with an exterior ambient noise level of 53.7 dB(A), the average of the results obtained were 72.7 dB(A) on the right side and 71.4 dB(A) on the left side.

With the vehicle stationary and the engine, accessories, and air conditioning on, the measurements averaged 48.0 dB(A) at low idle, 56.2 dB(A) at high idle, and 67.1 dB(A) at wide open throttle. With the accessories and air conditioning off, the readings averaged 0.5 dB(A) higher at low idle, 0.8 dB(A) higher at high idle, and 0.3 dB(A) higher at wide open throttle. The exterior ambient noise level measured during this test was 50.9 dB(A).

EXTERIOR NOISE TEST DATA FORM

Accelerating from Constant Speed

Bus Number: 0518	Date: 2-2-06
Personnel: B.S., S.C. & T.S.	
Temperature (°F): 41	Humidity (%): 85
Wind Speed (mph): 5	Wind Direction: SW
Barometric Pressure (in.Hg): 29.91	
Verify that microphone height is 4 feet, wind speed is less than 12 mph and ambient temperature is between 30°F and 90°F: ■ checked by: S.C.	
Initial Sound Level Meter Calibration: ■ checked by: S.C.	
Exterior Ambient Noise Level dB(A): 51.6	

Accelerating from Constant Speed Curb (Right) Side		Accelerating from Constant Speed Street (Left) Side	
Run #	Measured Noise Level dB(A)	Run #	Measured Noise Level dB(A)
1	72.6	1	73.2
2	72.4	2	72.7
3	73.0	3	72.5
4	73.2	4	72.6
5	73.1	5	72.7
Average of two highest actual noise levels = 73.2 dB(A)		Average of two highest actual noise levels = 73.0 dB(A)	

Final Sound Level Meter Calibration Check: ■ checked by: S.C.
Comments: None noted.

EXTERIOR NOISE TEST DATA FORM
Accelerating from Standstill

Bus Number: 0518	Date: 2-2-06
Personnel: B.S., S.C. & T.S.	
Temperature (°F): 41	Humidity (%): 85
Wind Speed (mph): 5	Wind Direction: SW
Barometric Pressure (in.Hg): 29.91	
Verify that microphone height is 4 feet, wind speed is less than 12 mph and ambient temperature is between 30°F and 90°F: ■ checked by: S.C.	
Initial Sound Level Meter Calibration: ■ checked by: S.C.	
Exterior Ambient Noise Level dB(A): 53.7	

Accelerating from Standstill Curb (Right) Side		Accelerating from Standstill Street (Left) Side	
Run #	Measured Noise Level dB(A)	Run #	Measured Noise Level dB(A)
1	72.4	1	71.3
2	72.9	2	71.4
3	72.1	3	71.0
4	72.5	4	71.3
5	72.4	5	71.2
Average of two highest actual noise levels = 72.7 dB(A)		Average of two highest actual noise levels = 71.4 dB(A)	

Final Sound Level Meter Calibration Check: ■ checked by: S.C.
Comments: None noted.

EXTERIOR NOISE TEST DATA FORM Stationary

Bus Number: 0518		Date: 2-2-06	
Personnel: B.S., S.C. & T.S.			
Temperature (°F): 41		Humidity (%): 85	
Wind Speed (mph): 5		Wind Direction: SW	
Barometric Pressure (in.Hg): 29.91			
Verify that microphone height is 4 feet, wind speed is less than 12 mph and ambient temperature is between 30°F and 90°F: ■ checked by: S.C.			
Initial Sound Level Meter Calibration: ■ checked by: S.C.			
Exterior Ambient Noise Level dB(A): 50.9			
Accessories and Air Conditioning ON			
Throttle Position	Engine RPM	Curb (Right) Side dB(A)	Street (Left) Side db(A)
		Measured	Measured
Low Idle	703	47.8	48.2
High Idle	2,050	54.3	58.1
Wide Open Throttle	3,602	67.0	67.2
Accessories and Air Conditioning OFF			
Throttle Position	Engine RPM	Curb (Right) Side dB(A)	Street (Left) Side db(A)
		Measured	Measured
Low Idle	750	48.0	49.0
High Idle	2,153	54.7	59.3
Wide Open Throttle	3,651	66.9	67.8
Final Sound Level Meter Calibration Check: ■ checked by: S.C.			
Comments: None noted.			

7.2 EXTERIOR NOISE TESTS



TEST BUS UNDERGOING EXTERIOR NOISE TESTING



Filename: Report.0518.doc
Directory: E:
Template: C:\Documents and Settings\vnocek\Application
Data\Microsoft\Templates\Normal.dot
Title: 5
Subject:
Author: Sondra Hoover
Keywords:
Comments:
Creation Date: 2/20/2006 10:52:00 AM
Change Number: 2
Last Saved On: 2/20/2006 10:52:00 AM
Last Saved By: PTI
Total Editing Time: 1 Minute
Last Printed On: 3/6/2007 10:41:00 AM
As of Last Complete Printing
Number of Pages: 102
Number of Words: 14,310 (approx.)
Number of Characters: 70,410 (approx.)



U.S. Department
of Transportation
**Federal Transit
Administration**

1200 New Jersey Avenue SE
Washington, D.C. 20590

May 4, 2020

Stephen Spata
MSBMA Secretary
NTEA Technical Assistance Director
37400 Hills Tech Drive
Farmington Hills, MI 48331-7090
(via email: SteveS@NTEA.com)

Dear Mr. Spata:

This is in response to your letter dated April 9, 2020, in which you requested assistance from the Federal Transit Administration (FTA) on behalf of several MSBMA member companies concerning the applicability of the Bus Testing Regulation (49 CFR Part 665) to previously-tested bus models equipped with Ford's new 7.3L gasoline engine. Your letter, which is attached and incorporated by reference, cites the recently completed partial test of the 7.3L Ford gasoline engine in an Eldorado Advance bus model built by REV Group, Bus Testing Report # LTI-BT-R1914-P. Your letter then asks FTA to issue a "blanket determination" that Report 1914-P will satisfy Bus Testing requirements for MSBMA member companies' buses that are also built on the Ford E-Series chassis using the new 7.3L engine.

FTA notes that Ford's new 7.3L V8 gasoline engine will replace both 6.8L V10 and 6.2L V8 gasoline engines in Ford E-Series and F-Series chassis. FTA had previously determined that since this is a new engine design, FTA expects this engine may produce significantly different data in the Performance, Fuel Economy, Noise, and Emissions tests compared to its predecessors, and at least one bus model equipped with a 7.3L Ford engine must complete these partial tests. FTA also determined that a partial testing report with this data on a similar bus from any manufacturer will satisfy the partial testing requirements for a bus model equipped with the corresponding engine.

Now that Report 1914-P is available, FTA recipients may acquire bus models that have been previously tested using the Ford 6.8L or 6.2L engines using a combination of Report # 1914-P for the Maintainability, Performance, Fuel Economy, Noise, and Emissions data, and the Bus Testing Report(s) applicable to the previously-tested model with one of the old engines for the remaining baseline data.

As set forth in section 665.13(c) of FTA's bus testing regulation:

(c)(1) A manufacturer or dealer of a new bus model or a bus produced with a major change in component or configuration shall provide a copy of the

corresponding full Bus Testing Report and any applicable partial testing report(s) to a recipient during the point in the procurement process specified by the recipient, but in all cases before final acceptance of the first bus by the recipient.

Therefore, any manufacturer or dealer responding to a bid with a vehicle incorporating the new Ford 7.3L engine must provide the purchaser with a copy of Report 1914-P, along with a copy of the Bus Testing Report(s) applicable of their make and model of vehicle that had satisfied Bus Testing requirements with the Ford 6.2L or 6.8L engine. The recipient must possess copies of both (all) of these reports in order to be in compliance, consistent with Section 9 of FTA's Comprehensive Review Guide (<https://www.transit.dot.gov/fy20-comprehensive-review-guide>).

This determination is based on the changes detailed in your letter or mentioned above. If the member company makes any other changes to its vehicle, additional testing may be required. If you require any further assistance with this or other matters concerning Bus Testing, I encourage you to consult the resources provided at www.transit.dot.gov/research-innovation/bus-testing. If you still have questions after checking this website, please feel free to contact me.

Sincerely,



Marcel Belanger
Bus Testing Program Manager
Office of Infrastructure & Asset
Management
TRI-20
marcel.belanger@dot.gov
202-366-0725

Attachment: April 9, 2020 MSBMA letter

Mid-Size Bus Manufacturers Association

An Industry Division of NTEA – The Association for the Work Truck Industry

37400 Hills Tech Drive, Farmington Hills, MI 48331-3414 • 248/489-7090

Mr. Marcel Belanger
Bus Testing Program Manager
Federal Transit Administration
Office of Mobility Innovation, TRI-12
Room E43-471
1200 New Jersey Ave. SE
East Building, 4th floor
Washington, DC 20590

Date: April 9, 2020

Dear Mr. Belanger,

As you are likely aware, a number of the bus manufacturers that belong to the Mid-Size Bus Manufacturers Association (MSBMA), an Industry Division of NTEA – The Association for the Work Truck Industry, utilize the Ford E-Series cutaway models in their bus model offerings, which has served as a staple to bus industry customers.

As you are also aware, FTA has determined that the introduction of the new Ford 7.3L engine would necessitate some level of retesting of the Ford E-Series for the 2021 model year chassis. This engine has only recently gone into production in the new year, and it has not yet been commercially available for the manufacturers to acquire and test their respective models. This issue has generated a great deal of concern for grantee customers as well as the bus manufacturers regarding the timing and logistics of being able to order buses based on this chassis.

Having identified the implications for the bus manufacturers and their common customers, Ford made an advanced prototype chassis available with this engine, which has now successfully passed the Altoona Bus Test program as documented in Report LTI-BT-R1914-P.

With the successful completion of testing of the Ford E-Series chassis and new 7.3L gas engine in Report LTI-BT-R1914-P, we request that FTA provide a 'blanket determination' such that manufacturers would not have to individually submit determination requests to FTA for previously tested bus models that would now incorporate the new 7.3L powertrain. This would apply to bus models where the 7.3L powertrain is the only change in the manufacturers' model offerings that include the E-Series cutaway chassis'.

Given the success of this well-known and frequently tested chassis, we respectfully request that FTA would consider providing relief from the testing requirements, to the extent possible, for the following members of the MSBMA that utilize the E-Series chassis:

- Champion Bus Inc
- Coach & Equipment Mfg Corp
- Diamond Coach
- ElDorado National
- Elkhart Coach, A Division Forest River Inc.
- Glaval Bus, A Division of Forest River Inc.
- LA West Inc
- Micro Bird, Inc
- Starcraft Bus, A Division of Forest River Inc.
- StarTrans Bus, A Division of Forest River Inc.
- SVO Group, Inc
- Titan Bus Co LLC
- Turtle Top

Thank you very much for your consideration of this request, and please let me know if we can provide any additional information or input.

Sincerely,

A handwritten signature in black ink that reads "Stephen C. Spata". The signature is written in a cursive style with a large, looped initial 'S'.

Stephen C. Spata
MSBMA Secretary
NTEA Technical Assistance Director
P: 248.479.8147
E: steves@ntea.com

FEDERAL TRANSIT BUS TEST

**Performed for the Federal Transit Administration U.S. DOT
In accordance with 49 CFR, Part 665**

**Manufacturer: EIDorado National-Kansas, Inc.
Model: Advantage**

**Tested in
7 Year / 200,000 Mile Partial Test**

March 2020

Report Number: LTI-BT-R1914-P

**The Thomas D. Larson
Pennsylvania Transportation Institute
201 Transportation Research Building
The Pennsylvania State University
University Park, PA 16802
(814) 865-1891**

**Bus Testing and Research Center
2237 Plank Road
Duncansville, PA 16635
(814) 695-3404**



PennState
College of Engineering

**LTI BUS RESEARCH
AND TESTING CENTER**

FEDERAL TRANSIT BUS TEST

Performed for the Federal Transit Administration, U.S. DOT
1200 New Jersey Avenue, SE
Washington, DC 20590

In accordance with 49 CFR Part, 665

Manufacturer: EIDorado National-Kansas, Inc.
Manufacturer's address: 1655 Wall Street
Salina, KS 67401

Model: Advantage

Tested in
7 Year / 200,000 Mile Partial Test

Report Number: LTI-BT-R1914-P

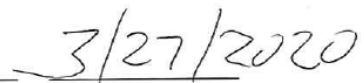




Quality Authorization

Director, Bus Research
and Testing Center

Title



Date

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EXECUTIVE SUMMARY

TEST HIGHLIGHTS

The information in this report pertains only to this specific bus, as received from the manufacturer for testing.

The Check-In section of the report provides a description of the bus and specifies its major components. The following table gives the salient specifications.

Manufacturer	EIDorado National-Kansas, Inc.
Model	Advantage
Chassis Make/Model	Ford / E450
Chassis Modified	Yes
Length	27 Foot 9 Inches
Fuel	Gasoline
Service Life	7 Year / 200,000 Mile Partial Test
Number of Seats (including driver)	19 + 2 wheelchairs
Manufacturer-Designated Standing Passenger Capacity	No standees per manufacturer
Gross Vehicle Weight used for testing	14,460
Gross Vehicle Weight Rating	14,500
Mileage at Delivery	382.9
Test Start Date	November 21, 2019
Test Completion Date	January 17, 2020

The measured curb weight was 4,290 lb. for the front axle and 6,120 lb. for the rear axle. These combined weights provided a total measured curb weight of 10,410 lb. There are 19 seats including the driver plus 2 wheelchair positions. There is enough free floor space for 13 standing passengers. However, no standees are permitted according to the manufacturer's placard. Therefore, the gross load represents seated passengers only, for a total of 19 passengers and 2 wheelchair positions. At full declared capacity, gross load is calculated as $(19 \times 150) + (2 \times 600) = 4,050$ lb. The measured gross vehicle weight is 14,460 lb. There is a potential to overload this bus with the available floor space for standing passengers.

The FTA determined that this bus be tested for Accessibility, Selected Maintainability, Performance, Fuel Economy, Interior and Exterior Noise, and Emissions; the baseline full Bus Testing report for this test is LTI-BT-R1214.

ABBREVIATIONS AND ACRONYMS

- ABS - anti-skid braking system
- ABTC - Altoona Bus Test Center
- A/C - air conditioner, or air conditioning
- AC - alternating current
- ADA - American Disability Act
- CDCTS - chassis dynamometer test control system
- CVS - constant volume sampling
- CW - curb weight (bus weight including maximum fuel, oil, and coolant; but without passengers or driver)
- dB(A) - decibels with reference to 0.0002 microbar as measured on the "A" scale
- DC - direct current
- DIR - test director
- DR - bus driver
- EPA - Environmental Protection Agency
- GAWR - gross axle weight rating
- GVL - gross vehicle load (150 lb. for every designed passenger seating position, for the driver, and for each 1.5 sq. ft of free floor space)
- GVW - gross vehicle weight (curb weight plus gross vehicle load)
- GVWR - gross vehicle weight rating
- HD-UDDS - Heavy Duty-Urban Dynamometer Driving Schedule
- LTI - Larson Transportation Institute
- mpg - miles per gallon
- mph - miles per hour
- PM - Preventive maintenance
- PSTT - Penn State Test Track
- rpm - revolutions per minute
- SAE - Society of Automotive Engineers
- SCF - Standard cubic foot
- SCH - test scheduler
- SA - staff assistant
- SLW - seated load weight (curb weight plus 150 lb. for every designed passenger seating position and for the driver)
- TD - test driver
- TECH - test technician
- TM - track manager
- TP - test personnel
- Wh - Watt hour

TEST BUS CHECK-IN

I. OBJECTIVE

The objective of this task is to log in the test bus, assign a bus number, complete the vehicle data form, and perform a safety check.

II. TEST DESCRIPTION

The test consisted of assigning a bus test number to the bus, cleaning the bus, completing the vehicle data form, obtaining any special information and tools from the manufacturer, determining a testing schedule, performing an initial safety check, and performing the manufacturer's recommended preventive maintenance. The bus manufacturer certified that the bus meets all Federal regulations.

III. DISCUSSION

The check-in procedure is used to identify in detail the major components and configuration of the bus.

The test bus consisted of an EIDorado National-Kansas, Inc., model Advantage. The bus has a front driver's and passenger door located just behind the front axle, and an ADA handicap accessible fold out lift in the rear of the bus. Power is provided by a gasoline-fueled, Ford Motor Company 7.3 L engine coupled to a Ford Motor Company TorqueShift 6 transmission.

The measured curb weight was 4,290 lb. for the front axle and 6,120 lb. for the rear axle. These combined weights provided a total measured curb weight of 10,410 lb. There are 19 seats including the driver plus 2 wheelchair positions. There is enough free floor space for 13 standing passengers. However, no standees are permitted according to the manufacturer's placard. Therefore, the gross load represents seated passengers only, for a total of 19 passengers and 2 wheelchair positions. At full declared capacity, gross load is calculated as $(19 \times 150) + (2 \times 600) = 4,050$ lb. The measured gross vehicle weight is 14,460 lb. There is a potential to overload this bus with the available floor space for standing passengers.

The FTA determined that this bus be tested for Accessibility, Selected Maintainability, Performance, Fuel Economy, Interior and Exterior Noise, and Emissions; the baseline full Bus Testing report for this test is LTI-BT-R1214.

VEHICLE DATA FORM

Page 1 of 7

Bus Number: 1914-P	Date of Check-In: 11/21/19
Bus Manufacturer: ElDorado National-Kansas, Inc.	Vehicle Identification Number (VIN): 1FDXE4FN2MDC00012
Model Number: Advantage	Chassis Mfr./Mod.#: Ford / E450
Personnel: T.S. & E.L.	Starting Odometer Reading: 382.9

WEIGHT:

Individual Wheel Reactions:

Weights (lb.)	Front Axle		Middle Axle		Rear Axle	
	Curb	Street	Curb	Street	Curb	Street
CW	2,150	2,140	N/A	N/A	3,430	2,690
SLW	2,400	2,480	N/A	N/A	5,140	4,440
GVW	2,400	2,480	N/A	N/A	5,140	4,440

Total Weight Details:

Weight (lb.)	CW	SLW	GVW	GAWR
Front Axle	4,290	4,880	4,880	5,000
Middle Axle	N/A	N/A	N/A	N/A
Rear Axle	6,120	9,580	9,580	9,600
Total	10,410	14,460	14,460	GVWR: 14,500 Specified by Manufacturer

Dimensions:

Length (ft/in)	27 / 9
Width (in)	96
Height (in)	114
Front Overhang (in)	35.50
Rear Overhang (in)	89
Wheel Base (in)	208.50
Wheel Track (in)	Front: 68.5
	Middle: N/A
	Rear: 78.0

VEHICLE DATA FORM

Page 2 of 7

Bus Number: 1914-P	Date: 11/21/19
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CLEARANCES:

Lowest Point Outside Front Axle	Location: Bumper	Clearance(in): 8.25
Lowest Point Outside Rear Axle	Location: Fuel Tank	Clearance(in): 11.5
Lowest Point between Axles	Location: Passenger Door Frame	Clearance(in): 7
Ground Clearance at the center (in)	8.25	
Front Approach Angle (deg)*	13.0	
Rear Approach Angle (deg)*	Rear Bumper- 11.7 Tail Pipe- 7.7	
Ramp Clearance Angle (deg)	4.5	
Aisle Width (in)	18	
Inside Standing Height at Center Aisle (in)	80	

*measurements used to calculate approach and departure angles are taken from the center-line of the axles.

BODY DETAILS:

Body Structural Type	Integral		
Frame Material	Steel		
Body Material	Fiberglass / Composite		
Floor Material	Plywood		
Roof Material	Fiberglass / Composite		
Windows Type	<input checked="" type="checkbox"/> Fixed	<input type="checkbox"/> Movable	
Window Mfg./Model No.	Safety / AS-3 DOT-399		
Number of Doors	<u>2</u> Front	<u>2</u> Main Passenger	
Mfr. / Model No.	Passenger Entry Door- A & M Systems-B313016 Driver's Door- Ford-OEM Rear Door-EIDorado Bus / 3400002K 32x62 Wheelchair Door- Challenger / #2-273339		
Dimension of Each Door (in)	Passenger Entry Door- 33.25 x 79.875 Driver's Door-31.625 x 54 Rear Door-46.75 x 73.25 Wheelchair Door-30.25 x 60		
Passenger Seat Type	<input type="checkbox"/> Cantilever	<input checked="" type="checkbox"/> Pedestal	<input type="checkbox"/> Other
Driver Seat Type	<input type="checkbox"/> Air	<input checked="" type="checkbox"/> Spring	<input type="checkbox"/> Other
Mfr. / Model No.	FoMoCo / OEM		
Number of Seats (including Driver)	19 + 2 wheelchair positions		

VEHICLE DATA FORM

Page 3 of 7

Bus Number: 1914-P	Date: 11/22/19
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BODY DETAILS (Contd.)

Free Floor Space (ft ²)	20.6
Height of Each Step at Normal Position (in)	Front 1. <u>10.75</u> 2. <u>8.25</u> 3. <u>8.125</u> 4. <u>N/A</u>
	Middle 1. <u>N/A</u> 2. <u>N/A</u> 3. <u>N/A</u> 4. <u>N/A</u>
	Rear 1. <u>N/A</u> 2. <u>N/A</u> 3. <u>N/A</u> 4. <u>N/A</u>
Step Elevation Change - Kneeling (in)	N/A

ENGINE

Type	<input type="checkbox"/> C.I.	<input type="checkbox"/> Alternate Fuel	
	<input checked="" type="checkbox"/> S.I.	<input type="checkbox"/> Other (explain)	
Mfr. / Model No.	Ford Motor Co. / 7.3 L Gasoline		
Location	<input checked="" type="checkbox"/> Front	<input type="checkbox"/> Rear	<input type="checkbox"/> Other (explain)
Fuel Type	<input checked="" type="checkbox"/> Gasoline	<input type="checkbox"/> CNG	<input type="checkbox"/> Methanol
	<input type="checkbox"/> Diesel	<input type="checkbox"/> LNG	<input type="checkbox"/> Other (explain)
Alternator (Generator) Mfr./Model No.	Ford Motor Co. / GL8980		
Maximum Rated Output (Volts / Amps)	12 / 240		
Air Compressor Mfr. / Model No.	N/A		
Maximum Capacity (ft ³ / min)	N/A		
Starter Type	<input checked="" type="checkbox"/> Electrical	<input type="checkbox"/> Pneumatic	<input type="checkbox"/> Other (explain)
Starter Mfr. / Model No.	FoMoCo / TN438000-475 12v		

VEHICLE DATA FORM

Page 4 of 7

Bus Number: 1914-P	Date: 11/22/19
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TRANSMISSION

Transmission Type	<input type="checkbox"/> Manual	<input checked="" type="checkbox"/> Automatic	<input type="checkbox"/> Load Sensing Adaptive
Mfr. / Model No.	FoMoCo / TorqueShift 6		
Control Type	<input checked="" type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Other
Integral Retarder Mfr. / Model No.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

SUSPENSION

Number of Axles	2		
Front Axle Type	<input checked="" type="checkbox"/> Independent	<input type="checkbox"/> Beam Axle	
Mfr. / Model No.	FoMoCo / OEM		
Axle Ratio (if driven)	N/A		
Suspension Type	<input type="checkbox"/> Air	<input checked="" type="checkbox"/> Spring	<input type="checkbox"/> Other (explain)
No. of Shock Absorbers	2		
Mfr. / Model No.	FoMoCo / 8C24-18045-D4		
Middle Axle Type	N/A	<input type="checkbox"/> Independent	<input type="checkbox"/> Beam Axle
Mfr. / Model No.	N/A		
Axle Ratio (if driven)	N/A		
Suspension Type	<input type="checkbox"/> Air	<input type="checkbox"/> Spring	<input checked="" type="checkbox"/> N/A
No. of Shock Absorbers	N/A		
Mfr. / Model No.	N/A		
Rear Axle Type	<input type="checkbox"/> Independent	<input checked="" type="checkbox"/> Beam Axle	
Mfr. / Model No.	Dana / M70HD		
Axle Ratio (if driven)	4.56		
Suspension Type	<input type="checkbox"/> Air	<input checked="" type="checkbox"/> Spring	<input type="checkbox"/> Other (explain)
No. of Shock Absorbers	2		
Mfr. / Model No.	FoMoCo / 8C24-18080-DC		

VEHICLE DATA FORM

Page 5 of 7

Bus Number: 1914-P	Date: 11/21/19
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WHEELS & TIRES

Front	Wheel Mfr./ Model No.	Ford / 16 x 6.0 K
	Tire Mfr./ Model No.	Hankook DynaPro HT 225 / 75R16
Rear	Wheel Mfr./ Model No.	Ford / 16 x 6.0 K
	Tire Mfr./ Model No.	Hankook DynaPro HT 225 / 75R16

BRAKES

Front Axle Brakes Type	<input type="checkbox"/> Cam	<input checked="" type="checkbox"/> Disc	<input type="checkbox"/> Other (explain)
Mfr. / Model No.	FoMoCo / OEM		
Middle Axle Brakes Type	<input type="checkbox"/> Cam	<input type="checkbox"/> Disc	<input checked="" type="checkbox"/> N/A
Mfr. / Model No.	N/A		
Rear Axle Brakes Type	<input type="checkbox"/> Cam	<input checked="" type="checkbox"/> Disc	<input type="checkbox"/> Other (explain)
Mfr. / Model No.	FoMoCo / OEM		

HVAC

Heating System Type	<input type="checkbox"/> Air	<input checked="" type="checkbox"/> Water	<input type="checkbox"/> Other
Capacity (Btu/hr.)	65,000		
Mfr. / Model No.	FoMoCo / OEM ProAir 465LP		
Air Conditioner	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Location	Front & Rear		
Capacity (Btu/hr.)	55,000		
A/C Compressor Mfr. / Model No.	Front-FoMoCo / 1330 Rear-ProAir / 465LP		

STEERING

Steering Gear Box Type	Hydraulic Gear		
Mfr. / Model No.	Ford / OEM		
Steering Wheel Diameter	15.75		
Number of turns (lock to lock)	4		
Control Type	<input type="checkbox"/> Electric	<input checked="" type="checkbox"/> Hydraulic	<input type="checkbox"/> Other (explain)

VEHICLE DATA FORM

Page 6 of 7

Bus Number: 1914-P	Date: 11/21/19
--------------------	----------------

OTHERS

Wheelchair Ramps	Location: N/A	Type: N/A
Wheelchair Lifts	Location: Rear	Type: Fold out platform
Mfr. / Model No.	BraunAbility / NCL917FIB3454-2	
Emergency Exit	Location: Window Roof Hatch Doors	Number: 3 1 2

CAPACITIES

Fuel Tank Capacity (gallons)	39.9
Engine Crankcase Capacity (quarts)	8
Transmission Capacity (quarts)	17.4
Differential Capacity (quarts)	4.86
Cooling System Capacity (quarts)	20.3
Power Steering Fluid Capacity (quarts)	Fill to line (recommended by manufacturer)

VEHICLE DATA FORM

Page 7 of 7

Bus Number: 1914-P	Date: 11/21/19
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List all spare parts, tools and manuals delivered with the bus.

Part Number	Description	Qty.
N/A	N/A	N/A

COMPONENT/SUBSYSTEM INSPECTION FORM

Page 1 of 1

Bus Number: 1914-P	Date: 11/21/19
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Subsystem	Checked	Initials	Comments
Air Conditioning Heating and Ventilation	✓	T.S.	
Body and Sheet Metal	✓	T.S.	
Frame	✓	T.S.	
Steering	✓	T.S.	
Suspension	✓	T.S.	
Interior/Seating	✓	T.S.	
Axles	✓	T.S.	
Brakes	✓	T.S.	
Tires/Wheels	✓	T.S.	
Exhaust	✓	T.S.	
Fuel System	✓	T.S.	
Power Plant	✓	T.S.	
Accessories	✓	T.S.	
ADA Accessible Lift System	✓	T.S.	Platform Wheelchair Lift
ADA Accessible Ramp System	N/A	T.S.	
Interior Fasteners	✓	T.S.	
Batteries	✓	T.S.	

CHECK - IN



**ELDORADO NATIONAL-KANSAS, INC.
ADVANTAGE**



CHECK - IN CONT.

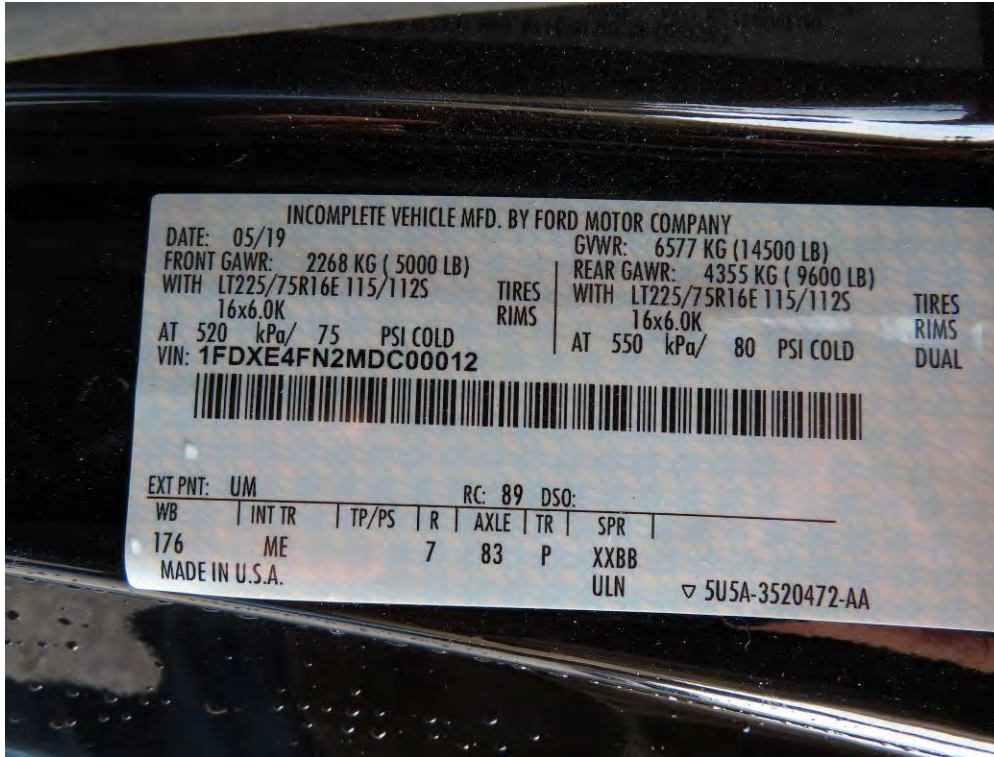


OPERATOR'S AREA



INTERIOR FROM FRONT

CHECK - IN CONT.

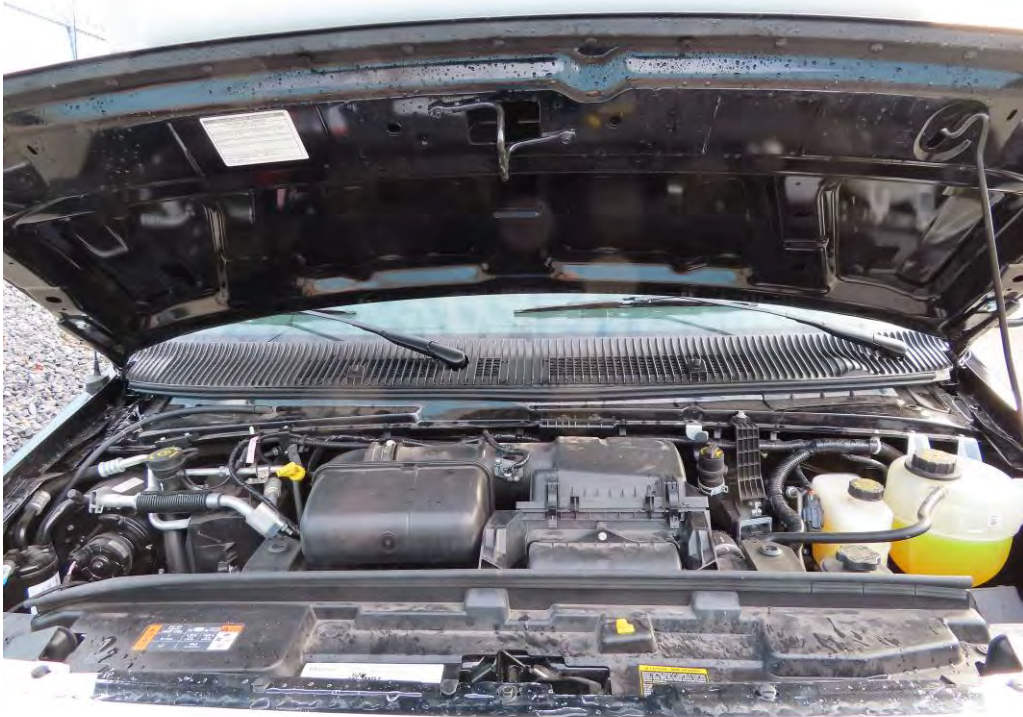


VIN TAG



PLACARD STATING NO STANDING PASSENGERS

CHECK - IN CONT.



ENGINE COMPARTMENT

1. MAINTAINABILITY

1.1 ACCESSIBILITY OF COMPONENTS AND SUBSYSTEMS

1.1-I. TEST OBJECTIVE

The objective of this test is to check the accessibility of components and subsystems.

1.1-II. TEST DESCRIPTION

Accessibility of components and subsystems was checked, and where accessibility was restricted the subsystem was noted along with the reason for the restriction.

1.1-III. DISCUSSION

Accessibility, in general, was adequate. Components covered in Section 1.3 (repair and/or replacement of selected subsystems), along with all other components encountered during testing, were found to be readily accessible and no restrictions were noted.

ACCESSIBILITY DATA FORM

Page 1 of 2

Bus Number: 1914-P	Date: 01/07/2020
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Component	Checked	Comments
ENGINE:		
Oil Dipstick	✓	None noted
Oil Filler Hole	✓	None noted
Oil Drain Plug	✓	None noted
Oil Filter	✓	None noted
Fuel Filter	✓	In fuel tank
Air Filter	✓	None noted
Belts	✓	If accessing from under hood, air filter housing must be removed.
Coolant Level	✓	None noted
Coolant Filler Hole	✓	None noted
Coolant Drain	✓	None noted
Spark / Glow Plugs	✓	None noted
Alternator	✓	None noted
Diagnostic Interface Connector	✓	None noted
TRANSMISSION:		
Fluid Dipstick	✓	None noted
Filler Hole	✓	Filler hole is dip stick tube
Drain Plug	N/A	Not equipped
SUSPENSION:		
Bushings	✓	None noted
Shock Absorbers	✓	None noted
Air Springs	N/A	Not equipped
Leveling Valves	N/A	Not equipped
Grease Fittings	✓	None noted

ACCESSIBILITY DATA FORM

Page 2 of 2

Bus Number: 1914-P	Date: 01/07/2020
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Component	Checked	Comments
HVAC:		
A/C Compressor	✓	None noted
Filters	✓	None noted
Fans	✓	None noted
ELECTRICAL SYSTEM:		
Fuses	✓	None noted
Batteries	✓	None noted
Voltage regulator	✓	Not equipped
Voltage Converters	✓	Not equipped
Lighting	✓	None noted
MISCELLANEOUS:		
Brakes	✓	None noted
ADA Accessible Lifts/Ramps	✓	Handicap Lift
Instruments	✓	None noted
Axles	✓	None noted
Exhaust	✓	None noted
Fuel System	✓	None noted
OTHERS:		None noted

1.3 REPLACEMENT AND/OR REPAIR OF SELECTED SUBSYSTEMS

1.3-I. TEST OBJECTIVE

The objective of this test is to establish the time required to replace and/or repair selected subsystems.

1.3-II. TEST DESCRIPTION

The test involved components that may be expected to fail or require replacement during the service life of the bus. In addition, any component that failed during testing of the bus was added to this list. Components to be included are:

1. Transmission
2. Alternator
3. Starter
4. Batteries
5. Windshield wiper motor

1.3-III. DISCUSSION

At the end of the test, the items on the list were removed and replaced. The transmission assembly took 6.00 labor-hours (2 persons @ 3.00 hrs.) to remove and replace. The time required for repair/replacement of the other four components is given on the following Repair and/or Replacement Form.

REPLACEMENT AND/OR REPAIR FORM

Subsystem	Replacement Time
Transmission	6.00 labor hours
Wiper Motor	1.00 labor hour
Starter	1.00 labor hour
Alternator	1.50 labor hours
Batteries	0.50 labor hour

1.3 REPLACEMENT AND/OR REPAIR OF SELECTED SUBSYSTEMS



**TRANSMISSION REMOVAL AND REPLACEMENT
(6.00 LABOR HOURS)**



**WIPER MOTOR REMOVAL AND REPLACEMENT
(1.00 LABOR HOUR)**

1.3 REPLACEMENT AND/OR REPAIR OF SELECTED SUBSYSTEMS CONT.



**STARTER REMOVAL AND REPLACEMENT
(1.00 LABOR HOUR)**



**ALTERNATOR REMOVAL AND REPLACEMENT
(1.50 LABOR HOURS)**

4. PERFORMANCE - AN ACCELERATION, GRADEABILITY, AND TOP SPEED TEST

4-I. TEST OBJECTIVE

The objective of this test is to determine the acceleration, gradeability, and top speed capabilities of the bus.

4-II. TEST DESCRIPTION

In this test, the bus was operated at SLW on a chassis dynamometer. The procedure dictates that the test bus be accelerated to a maximum “power-limited”/“governed” or maximum “safe” speed not exceeding 80 mph. The maximum power-limited/governed speed, if applicable, is the top speed as limited by the engine control system. The maximum safe speed is defined as the maximum speed that the dynamometer, the tires or other bus components are limited to. The test vehicle speed was measured using a speed encoder built in the chassis dynamometer. The time intervals between 10 mph increments were recorded using a Data Acquisitions System. Time-speed data and the top speed attained were recorded on the Performance Data Form. The recorded data was used to generate a percent grade versus speed table and a speed versus time curve. All the above are available in the following pages.

4-III. DISCUSSION

This test consisted of three runs from standstill to full throttle on the chassis dynamometer. Speed versus time data was obtained for each run and results are averaged to minimize test variability. The test was performed up to a maximum safe speed of 79.4 mph. The calculated gradeability results are attached. The average time to reach 30 mph was 6.5 seconds. The maximum gradeability at 10 mph was 42.33% and at 40 mph was 11.15%.

PERFORMANCE DATA FORM

Page 1 of 1

Bus Number: 1914-P		Date: 01/10/2020	
Personnel: S.I. / F.T.			
Temperature (°F): 77		Humidity (%): 31	
Barometric Pressure (inHg): 29.1			
		INITIALS:	
Air Conditioning - OFF		✓Checked	F.T.
Ventilation fans - ON HIGH		✓ Checked	F.T.
Defroster - OFF		✓ Checked	F.T.
Exterior and interior lights - ON		✓ Checked	F.T.
Windows and doors - CLOSED		✓ Checked	F.T.
ACCELERATION, GRADEABILITY, TOP SPEED			
Recorded Interval Times			
Speed	Run 1	Run 2	Run 3
10 mph	1.7	1.8	1.7
20 mph	3.7	3.8	3.8
30 mph	6.3	6.6	6.6
40 mph	10.2	10.6	10.7
50 mph	14.9	15.6	15.7
60 mph	21.9	22.8	23.1
70 mph	35.9	39.1	39.8

Maximum Speed (mph): 79.4 (maximum safe dynamometer speed reached)

PERFORMANCE SUMMARY SHEET

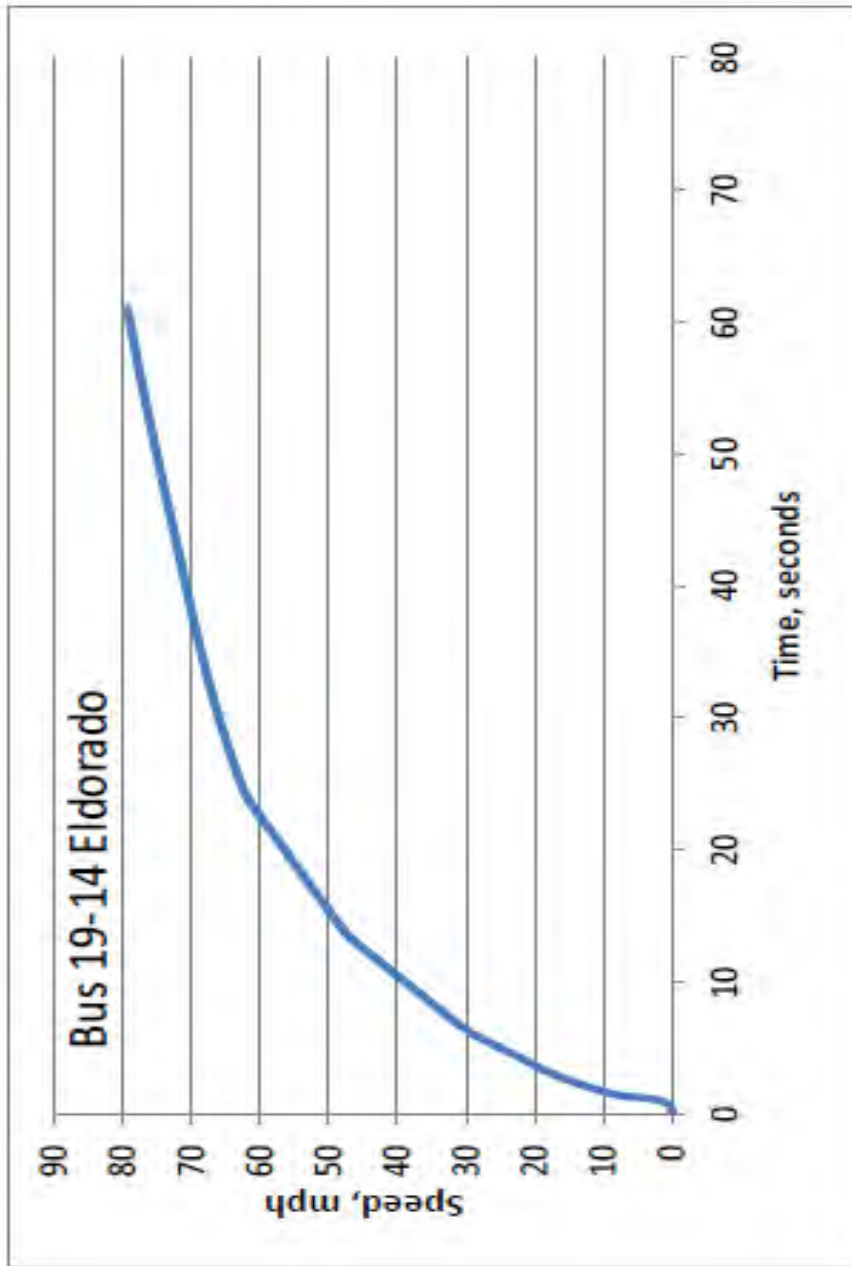
Bus Number: 1914-P	Date: 01/10/2020
Personnel: S.I. & F.T.	

Test Conditions:

Temperature (°F): 77	Humidity (%): 31
Barometric Pressure (inHg): 29.1	

Test Results:

Vehicle Speed (MPH)	Time (SEC)	Acceleration (FT/SEC^2)	Max. Grade (%)
1.0	0.9	10.77	33.45
5.0	1.3	13.95	43.32
10.0	1.7	13.63	42.33
15.0	2.6	7.49	23.26
20.0	3.7	5.6	17.39
25.0	5	5.7	17.70
30.0	6.5	4.09	12.70
35.0	8.5	3.5	10.87
40.0	10.5	3.59	11.15
45.0	12.6	3.48	10.81
50.0	15.4	2.04	6.34
55.0	19	2	6.21
60.0	22.6	2.11	6.55
65.0	28.3	0.92	2.86
70.0	38	0.64	1.99
75.0	49.8	0.61	1.89
79.4	61	0.25	0.78



FUEL ECONOMY TEST - A FUEL CONSUMPTION TEST USING AN APPROPRIATE OPERATING CYCLE

6-I. TEST OBJECTIVE

The objective of this test is to provide accurate comparable fuel consumption data on transit buses produced by different manufacturers. This fuel economy test bears no relation to the calculations done by the Environmental Protection Agency (EPA) to determine levels for the Corporate Average Fuel Economy Program. EPA's calculations are based on tests conducted under laboratory conditions intended to simulate city and highway driving. This fuel economy test, as designated here, is a measurement of the fuel expended by a vehicle traveling a specified test operating profile, under specified operating conditions that are typical of transit bus operation. The results of this test may not represent actual mileage in transit service but will provide data that can be used by FTA Grantees to compare the efficiency of buses tested using this procedure.

6-II. TEST DESCRIPTION

This test was performed in the emissions bay of the LTI Vehicle Testing Laboratory. The Laboratory is equipped with a Schenk Pegasus 300 HP, large-roll (72 inch diameter) chassis dynamometer suitable for heavy-vehicle emissions testing. The driving cycles are the Manhattan cycle, a low average speed, highly transient urban cycle (Figure 1), the Orange County Bus Cycle, a medium average speed transient urban cycle (Figure 2), and the EPA HD-UDDS Cycle, which consists of urban and highway driving segments (Figure 3). A fuel economy test was comprised of two runs for the three different driving cycles, and the average value was reported.

The test procedure for liquid-fueled buses such as this one uses a calibrated flowmeter system and/or a calibrated fuel weighing scale. The flowmeter system utilizes a precise four-piston positive displacement flow meter. The weighing scale system includes heat exchangers to maintain temperature in diesel and common-rail injection systems. A weighing scale was used for this test.

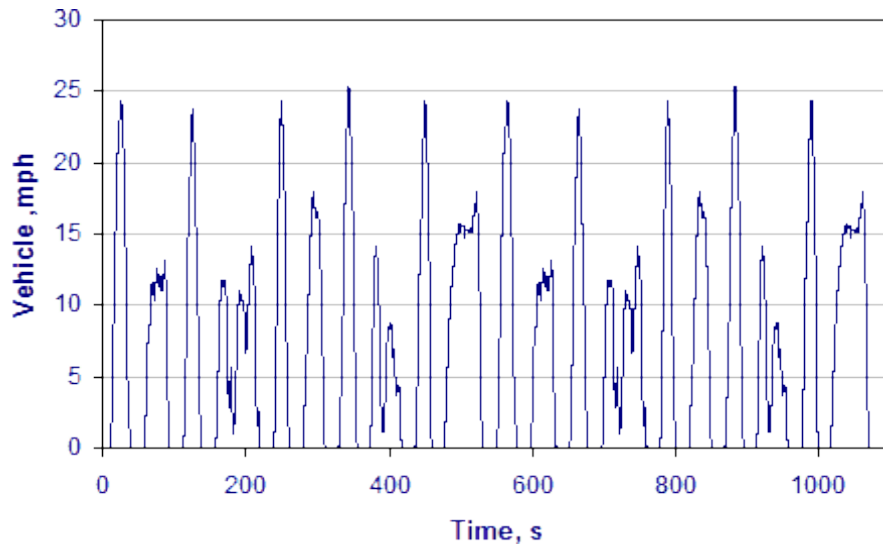


Figure 1. Manhattan Driving Cycle (duration 1089 sec, Maximum speed 25.4 mph, average speed 6.8 mph)

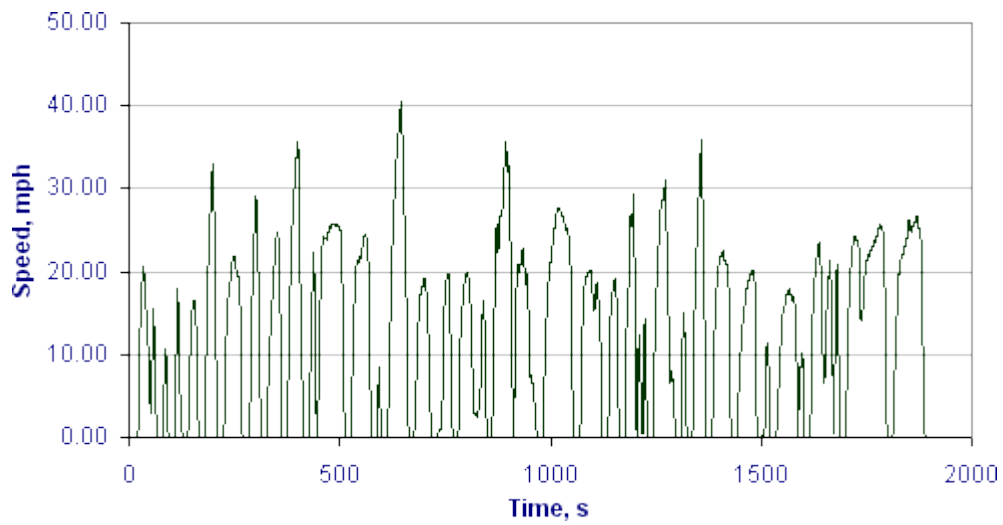


Figure 2. Orange County Bus Cycle (Duration 1909 Sec, Maximum Speed 41 mph, Average Speed 12 mph).

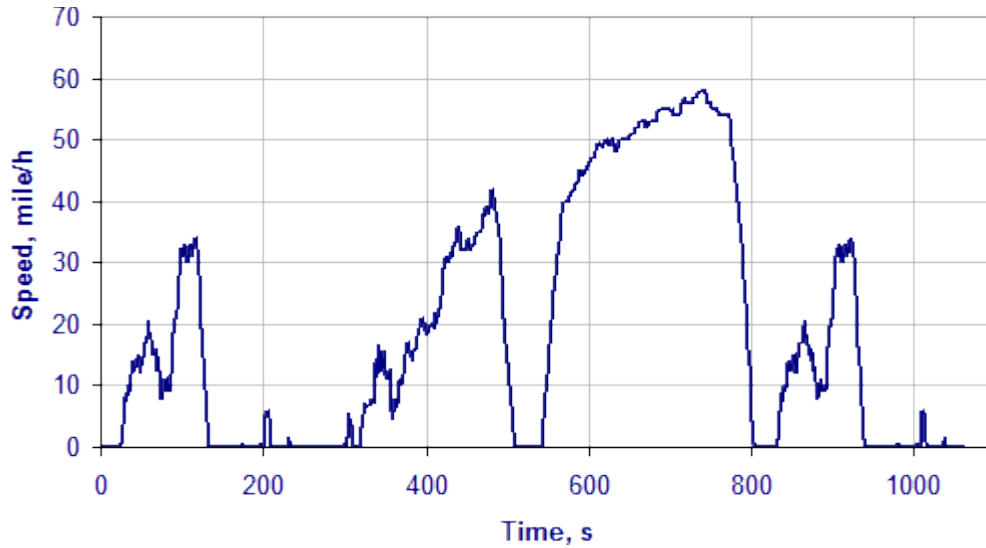


Figure 3. HD-UDDS Cycle (duration 1060 seconds, Maximum Speed 58 mph, Average Speed 18.86 mph).

6-III. DISCUSSION

The driving cycle consists of three simulated transit driving cycles: Manhattan, Orange County Bus Cycle and the HD-UDDS, as described in 6-II. The fuel consumption for each driving cycle and idle was measured.

An extensive pretest maintenance check was made including the replacement of all lubrication fluids. The details of the pretest maintenance are given in the first three Pretest Maintenance Forms. The fourth sheet shows the Pretest Inspection Form. Finally, the summary sheet provides the average fuel consumption for the three test cycles and for a 20 minute idle. **The average fuel consumption for the Manhattan, OCBC and the HD-UDDS were 4.46 mpg, 6.0 mpg and 7.27 mpg respectively. For idle, the fuel consumption was 1.3 gal/hr.**

FUEL ECONOMY PRE-TEST MAINTENANCE FORM

Page 1 of 3

Bus Number: 1914-P	Date: 01/07/2020	SLW (lb.): 14,460
Personnel: T.S., S.R., E.D., E.L. & T.G.		

FUEL SYSTEM	OK
Install fuel measurement system	✓
Replace fuel filter- mileage under manufacturer specs for changing filters.	✓
Check for fuel leaks	✓
Specify fuel type (gasoline)	✓
Remarks: Mileage under manufacturer service specs for filter change. 470 miles on odometer.	
BRAKES/TIRES	OK
Inspect hoses	✓
Inspect brakes	✓
Check tire inflation pressures (mfg. specs.)	✓
Check tire wear (less than 50%)	✓
Remarks: None noted	
COOLING SYSTEM	OK
Check hoses and connections	✓
Check system for coolant leaks	✓
Remarks: None noted	

FUEL ECONOMY PRE-TEST MAINTENANCE FORM

Page 2 of 3

Bus Number: 1914-P	Date: 01/07/2020
Personnel: T.S., S.R., E.D., E.L. & T.G.	
ELECTRICAL SYSTEMS	OK
Check battery	✓
Inspect wiring	✓
Inspect terminals	✓
Check lighting	✓
Remarks: None noted	
DRIVE SYSTEM	OK
Drain transmission fluid- mileage under manufacturer specs for service.	✓
Replace filter/gasket- mileage under manufacturer specs for changing filters.	✓
Check hoses and connections	✓
Replace transmission fluid- mileage under manufacturer specs for service.	✓
Check for fluid leaks	✓
Remarks: Mileage under manufacturer service specs. 470 miles on odometer.	
LUBRICATION	OK
Drain crankcase oil- mileage under manufacturer specs for service.	✓
Replace filters- mileage under manufacturer specs for changing filters.	✓
Replace crankcase oil- mileage under manufacturer specs for service.	✓
Check for oil leaks	✓
Check oil level	✓
Lube all chassis grease fittings- mileage under manufacturer specs for service.	✓
Lube universal joints- mileage under manufacturer specs for service.	✓
Replace differential lube including axles- mileage under manufacturer specs for service.	✓
Remarks: 470 miles on odometer- no service needed per manufacturer service specs.	

FUEL ECONOMY PRE-TEST MAINTENANCE FORM

Page 3 of 3

Bus Number: 1914-P	Date: 01/07/2020
Personnel: T.S., S.R., E.D., E.L. & T.G.	
EXHAUST/EMISSION SYSTEM	OK
Check for exhaust leaks	✓
Remarks: Welded 2 leaks on factory exhaust so bus could be placed on dynamometer.	
ENGINE	OK
Replace air filter- mileage under manufacturer specs for service.	✓
Inspect air compressor and air system	N/A
Inspect vacuum system, if applicable	N/A
Check and adjust all drive belts	✓
Check cold start assist, if applicable	✓
Remarks: None noted	
STEERING SYSTEM	OK
Check power steering hoses and connectors	✓
Service fluid level	✓
Check power steering operation	✓
Remarks: None noted	
	OK
Ballast bus to seated load weight	✓
TEST DRIVE	OK
Check brake operation	✓
Check transmission operation	✓
Remarks: None noted	

FUEL ECONOMY PRE-TEST INSPECTION FORM

Page 1 of 1

Bus Number: 1914-P	Date: 01/07/2020
Personnel: T.S., S.R., E.D., E.L. & T.G.	
PRE-WARM-UP	If OK, Initial
Cold tire pressure (psi): Front <u>75</u> Middle <u>N/A</u> Rear <u>80</u>	E.D.
Engine oil level	E.D.
Engine coolant level	T.S.
Interior and exterior lights on, evaporator fan on	E.D.
Fuel economy instrumentation installed and working properly.	T.S.
Fuel line -- no leaks or kinks	T.S.
Bus is loaded to SLW during coast down	T.S.
WARM-UP	If OK, Initial
Bus driven for at least one hour warm-up	F.T.

FUEL ECONOMY DATA FORM (Gaseous and Liquid fuels)

Page 1 of 1

Bus Number: 1914-P	Manufacturer: ElDorado	Date: 01/10/2020
Fuel Type: Gasoline	Personnel: S.I. / F.T.	
Temperature (°F): 77	Humidity (%):31	Barometric Pressure (inHg): 29.1
SLW (lb.):14,460		

Cycle	Manhattan	Orange County	HD-UDDS	Idle
Fuel Consumption mpg	4.46	6.0	7.27	1.3 gallon/hr.

Comments: None noted

7. NOISE

7.1 INTERIOR NOISE AND VIBRATION TESTS

7.1-I. TEST OBJECTIVE

The objective of these tests is to measure and record interior noise levels and check for audible vibration under various operating conditions.

7.1-II. TEST DESCRIPTION

During this series of tests, the interior noise level was measured at several locations with the bus operating under the following three conditions:

1. With the bus stationary, a white noise generating system provided a uniform sound pressure level equal to 80 dB(A) on the left, exterior side of the bus. The engine and all accessories were switched off and all openings including doors and windows were closed. This test was performed at the LTI Test Track Facility.
2. The bus was accelerated at full throttle from a standing start to 35 mph on a level pavement. All openings were closed and all accessories were operating during the test. This test was performed on the track at the LTI Test Track Facility.
3. The bus was operated at various speeds from 0 to 55 mph with and without the air conditioning and accessories on. Any audible vibration or rattles were noted. This test was performed on the test segment between the LTI Test Track and the Bus Testing Center.

All tests were performed in an area free from extraneous sound-making sources or reflecting surfaces. The ambient sound level as well as the surrounding weather conditions were recorded in the test data.

7.1-III. DISCUSSION

For the first part, the overall average of the six measurements was 45.3 dB(A); ranging from 44.3 dB(A) at the driver's seat to 47.1 dB(A) in line with the front speaker. The interior ambient noise level for this test was 32.0 dB(A).

For the second part, the interior noise level ranged from 73.6 dB(A) at the middle passenger seats to 75.8 dB(A) at the front passenger seats. The overall average was 74.8 dB(A). The interior ambient noise level for this test was less than 30 dB(A).

No vibrations or rattles were noted during the third part of this test.

INTERIOR NOISE TEST DATA FORM
Test Condition 1: 80 dB(A) Stationary White Noise

Page 1 of 3

Bus Number: 1914-P	Date: 01/14/2020
Personnel: S.R., E.D. & E.L.	
Temperature (°F): 33	Humidity (%): 95
Wind Speed (mph): Calm	Wind Direction: SE
Barometric Pressure (inHg): 30.22	
Interior Ambient Noise Level dB(A): 32.0	Exterior Ambient Noise Level dB(A): 48.5
Microphone Height During Testing (in): 47.5	

Reading Location	Measured Sound Level dB(A)
Driver's Seat	44.3
Front Passenger Seats	44.5
In Line with Front Speaker	47.1
In Line with Middle Speaker	44.6
In Line with Rear Speaker	45.9
Rear Passenger Seats	45.4

Comments: None noted

INTERIOR NOISE TEST DATA FORM
Test Condition 2: 0 to 35 mph Acceleration Test

Page 2 of 3

Bus Number: 1914-P	Date: 12/11/19
Personnel: S.R., E.L. & F.T.	
Temperature (°F): 30	Humidity (%): 47
Wind Speed (mph): 4-5	Wind Direction: SSW
Barometric Pressure (inHg): 30.64	
Interior Ambient Noise Level dB(A): Less than 30	Exterior Ambient Noise Level dB(A): 45.2
Microphone Height During Testing (in): 47.5	

Reading Location	Measured Sound Level dB(A)
Driver's Seat	75.0
Front Passenger Seats	75.8
Middle Passenger Seats	73.6
Rear Passenger Seats	74.9

Comments: None noted

INTERIOR NOISE TEST DATA FORM
Test Condition 3: Audible Vibration Test

Page 3 of 3

Bus Number: 1914-P	Date: 12/11/19
Personnel: S.R. & F.T.	
Temperature (°F): 30	

Describe the following possible sources of noise and give the relative location on the bus.

Source of Noise	Location	Description of Noise
Engine and Accessories	N/A	None noted
Windows and Doors	N/A	None noted
Seats and Wheelchair lifts	N/A	None noted
Other	N/A	None noted

Comment on any other vibration or noise source which may have occurred that is not described above: None noted
Comments: None noted

7.1 INTERIOR NOISE TEST



**TEST BUS SET-UP FOR 80 dB(A)
INTERIOR NOISE TEST**

7.2 EXTERIOR NOISE TESTS

7.2-I. TEST OBJECTIVE

The objective of this test is to record exterior noise levels when a bus is operated under various conditions.

7.2-II. TEST DESCRIPTION

In the exterior noise tests, the bus was operated at a SLW in three different conditions using a smooth, straight and level roadway:

1. Accelerating at full throttle from a constant speed starting from 35 mph.
2. Accelerating at full throttle from standstill.
3. Stationary, with the engine at low idle, high idle, and wide open throttle, where applicable. In addition, the bus was tested with and without the air conditioning operating.

The test site is at the Larson Transportation Institute Test Track and the test procedures were performed in accordance with SAE Standards SAE J366b, Exterior Sound Level for Heavy Trucks and Buses. The test site is an open space free of large reflecting surfaces. A noise meter placed at a specified location outside the bus was used to measure the noise level.

During the test, special attention was paid to:

1. The test site characteristics regarding parked vehicles, signboards, buildings, or other sound-reflecting surfaces
2. Proper usage of all test equipment including set-up and calibration
3. The ambient sound level

7.2-III. DISCUSSION

The Exterior Noise Test determines the noise level generated by the vehicle under different driving conditions and at stationary low and high idle, with and without air conditioning and accessories operating. The test site is a large, level, bituminous paved area with no reflecting surfaces nearby.

With an outside ambient noise level of 44.1 dB(A), the average of the two highest readings obtained while accelerating from a constant speed was 76.5 dB(A) on the right side and 78.9 dB(A) on the left side.

When accelerating from a standstill with an exterior ambient noise level of 43.7 dB(A), the average of the two highest readings obtained were 76.3 dB(A) on the right side and 79.6 dB(A) on the left side.

With the vehicle stationary and the engine, accessories, and air conditioning on, the measurements averaged 64.0 dB(A) at low idle and 68.8 dB(A) at wide open throttle. With the accessories and air conditioning off, the readings averaged 48.4 dB(A) at low idle and 67.5 dB(A) at wide open throttle. The exterior ambient noise level measured during this test was 40.8 dB(A).

EXTERIOR NOISE TEST DATA FORM

Accelerating from Constant Speed

Page 1 of 3

Bus Number: 1914-P		Date: 12/12/19	
Personnel: S.R., E.L. & F.T.			
Temperature (°F): 30		Humidity (%): 48	
Wind Speed (mph): 5		Wind Direction: SSW	
Barometric Pressure (inHg): 30.61			
Verify that microphone height is 4 feet, wind speed is less than 12 mph and ambient temperature is between 30°F and 90°F: ■			
Initial Sound Level Meter Calibration: 94.0 dB(A)			
Exterior Ambient Noise Level: 44.1 dB(A)			
Accelerating from Constant Speed Curb (Right) Side		Accelerating from Constant Speed Street (Left) Side	
Run #	Measured Noise Level dB(A)	Run #	Measured Noise Level dB(A)
1	76.8	1	78.3
2	76.2	2	78.1
3	76.2	3	78.8
4	75.9	4	78.4
5	76.0	5	78.9
6	N/A	6	N/A
7	N/A	7	N/A
8	N/A	8	N/A
9	N/A	9	N/A
10	N/A	10	N/A
Average of two highest actual noise levels = 76.5 dB(A)		Average of two highest actual noise levels = 78.9 dB(A)	
Final Sound Level Meter Calibration Check: 94.0 dB(A)			
Comments: None noted			

EXTERIOR NOISE TEST DATA FORM Accelerating from Standstill

Page 2 of 3

Bus Number: 1914-P		Date: 12/12/19	
Personnel: S.R., E.L. & F.T.			
Temperature (°F): 30		Humidity (%): 48	
Wind Speed (mph): 5		Wind Direction: SW	
Barometric Pressure (inHg): 30.61			
Verify that microphone height is 4 feet, wind speed is less than 12 mph and ambient temperature is between 30°F and 90°F: ■			
Initial Sound Level Meter Calibration: 94.0 dB(A)			
Exterior Ambient Noise Level: 43.7 dB(A)			
Accelerating from Standstill Curb (Right) Side		Accelerating from Standstill Street (Left) Side	
Run #	Measured Noise Level dB(A)	Run #	Measured Noise Level dB(A)
1	74.7	1	79.8
2	75.6	2	78.8
3	76.5	3	79.3
4	75.2	4	78.6
5	76.1	5	79.2
6	N/A	6	N/A
7	N/A	7	N/A
8	N/A	8	N/A
9	N/A	9	N/A
10	N/A	10	N/A
Average of two highest actual noise levels = 76.3 dB(A)		Average of two highest actual noise levels = 79.6 dB(A)	
Final Sound Level Meter Calibration Check: 94.0 dB(A)			
Comments: None noted			

EXTERIOR NOISE TEST DATA FORM

Stationary

Page 3 of 3

Bus Number: 1914-P		Date: 12/12/19	
Personnel: S.R., E.L. & F.T.			
Temperature (°F): 30		Humidity (%): 48	
Wind Speed (mph): 4		Wind Direction: SW	
Barometric Pressure (inHg): 30.61			
Initial Sound Level Meter Calibration: 94.0 dB(A)			
Exterior Ambient Noise Level: 40.8 dB(A)			
Air Conditioning ON			
Throttle Position	Engine RPM	Curb (Right) Side dB(A)	Street (Left) Side db(A)
		Measured	Measured
Low Idle	600	59.8	68.1
High Idle	N/A	N/A	N/A
Wide Open Throttle	3000	67.2	70.3
Air Conditioning OFF			
Throttle Position	Engine RPM	Curb (Right) Side dB(A)	Street (Left) Side db(A)
		Measured	Measured
Low Idle	600	48.8	48.0
High Idle	N/A	N/A	N/A
Wide Open Throttle	3000	66.8	68.1
Final Sound Level Meter Calibration Check: 94.0 dB(A)			
Comments: No high idle switch or setting could be used / found for this test vehicle.			

7.2 EXTERIOR NOISE TESTS



TEST BUS UNDERGOING EXTERIOR NOISE TESTING

8.0 EMISSIONS TEST – DYNAMOMETER-BASED EMISSIONS TEST USING TRANSIT DRIVING CYCLES

8-I. TEST OBJECTIVE

The objective of this test is to provide comparable emissions data on transit buses produced by different manufacturers. This chassis-based emissions test bears no relation to engine certification testing performed for compliance with the Environmental Protection Agency (EPA) regulation. EPA's certification tests are performed on an engine by itself on a dynamometer operating under the Federal Test Protocol.

The Bus Testing Center emissions test is a measurement of the gaseous engine emissions CO, CO₂, NO_x, HC and particulates (diesel vehicles) produced by a complete vehicle operating on a large-roll chassis dynamometer. The test is performed for three differed driving cycles intended to simulate a range of transit operating environments. The test is performed under laboratory conditions in compliance with EPA 1065 and SAE J2711. The results of this test may not represent actual in-service vehicle emissions but will provide data that can be used by recipients to compare the emissions of buses tested under a range of consistent operating conditions.

8-II. TEST DESCRIPTION

This test was performed in the emissions bay of the LTI Vehicle Testing Laboratory. The Laboratory is equipped with a Schenk Pegasus 300 HP, large-roll (72 inch diameter) chassis dynamometer suitable for heavy-vehicle emissions testing. The emissions laboratory provides capability for testing heavy-duty diesel, gasoline, and alternative-fueled buses for a variety of tailpipe emissions including particulate matter, oxides of nitrogen, carbon monoxide, carbon dioxide, and hydrocarbons. It is equipped with a Horiba full-scale dilution tunnel and a constant volume sampling (CVS) emissions measurement system. The system includes Horiba Mexa 7400 Series gas analyzers and a Horiba HF47 Particulate Sampling System. Test operation is automated using Horiba CDTCS software. The computer controlled dynamometer is capable of simulating over-the-road operation for a variety of vehicles and driving cycles.

The driving cycles are the Manhattan cycle, a low average speed, highly transient urban cycle (Figure 1), the Orange County Bus Cycle, a medium average speed transient urban cycle (Figure 2), and the EPA HD-UDDS Cycle, which consists of urban and highway driving segments (Figure 3). An emissions test was comprised of two runs for each of the three different driving cycles, and the average values were reported. Test results reported include the average grams per mile value for each of the gaseous emissions of carbon dioxide,

carbon monoxide, oxides of nitrogen, total hydrocarbons and non-methane hydrocarbons. In addition, emissions of particulate matter will also be reported for diesel fuel buses. Testing is performed in accordance with EPA CFR49, Part 1065 and SAE J2711 as practically determined by the FTA Emissions Testing Protocol developed by West Virginia University and Penn State University.

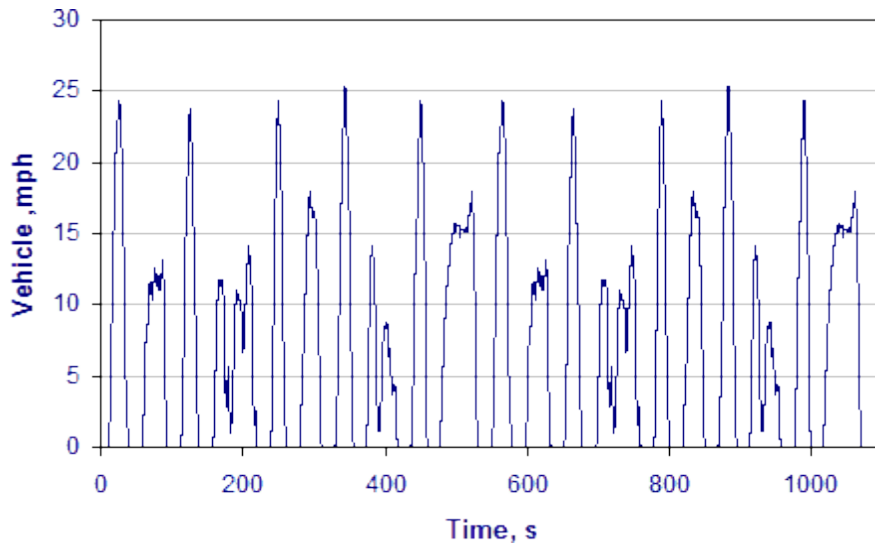


Figure 8.1. Manhattan Driving Cycle (Duration 1089 sec, Maximum Speed 25.4 mph, Average Speed 6.8 mph)

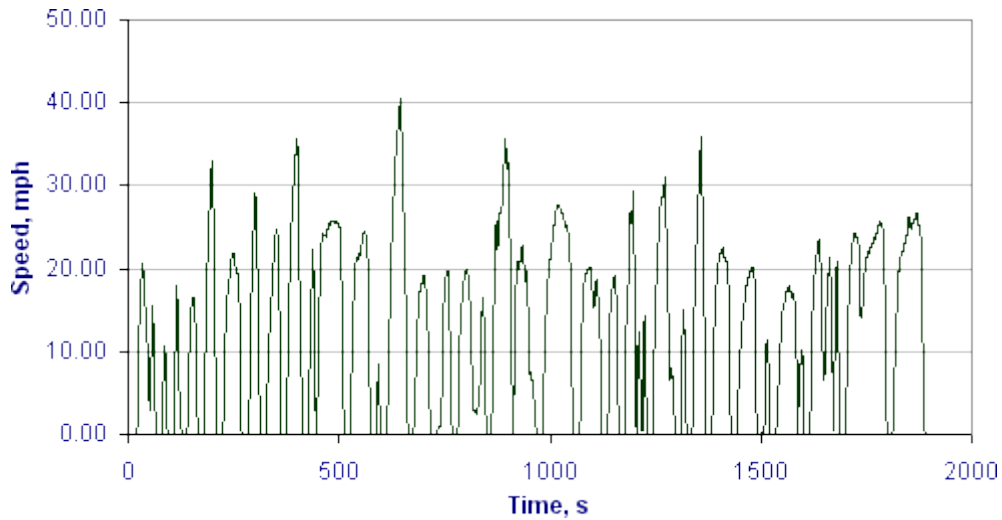


Figure 8.2. Orange County Bus Cycle (Duration 1909 Sec, Maximum Speed 41 mph, Average Speed 12 mph)

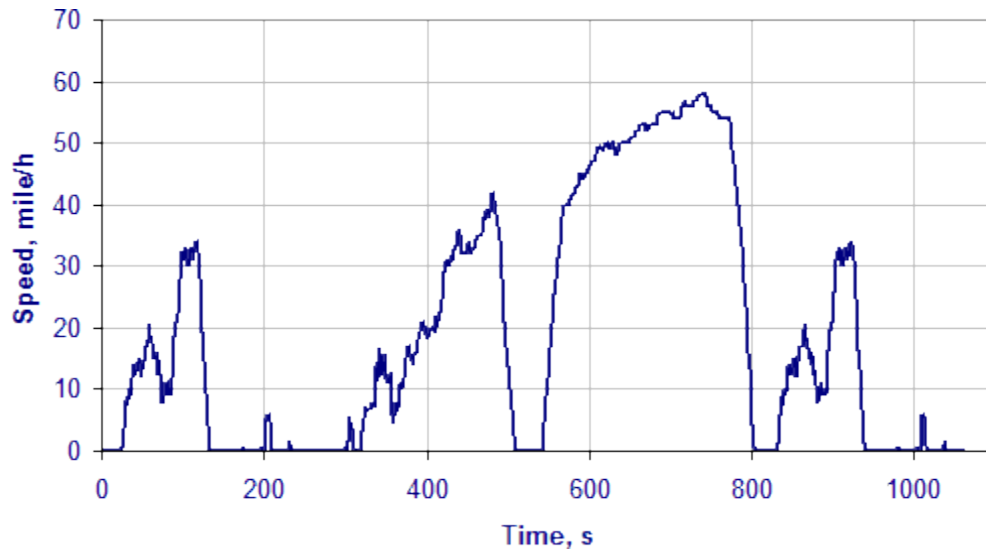


Figure 8.3. HD-UDDS Cycle (Duration 1060 seconds, Maximum Speed 58 mph, Average Speed 18.86 mph)

8-III. TEST ARTICLE

The test article is an EIDorado National-Kansas, Inc., Advantage model transit bus equipped with a gasoline fueled Ford Motor Company 7.3 L motor. The bus was tested on 01/17/2020 with the odometer reading 689 miles.

8-IV. TEST EQUIPMENT

Testing was performed in the LTI Vehicle Testing Laboratory emissions testing bay. The test bay is equipped with a Schenk Pegasus 72-inch, large-roll chassis dynamometer. The dynamometer is electronically controlled to account for vehicle road-load characteristics and for simulating the inertia characteristics of the vehicle. Power to the roller is supplied and absorbed through an electronically controlled 3-phase ac motor. Absorbed power is returned to the electrical grid.

Vehicle exhaust is collected by a Horiba CVS, full-flow dilution tunnel. The system has separate tunnels for diesel and gasoline/natural gas fueled vehicles. In the case of diesel vehicles, particulate emissions are measured gravimetrically using 47mm Teflon filters. These filters are housed in a Horiba HF47 particulate sampler, per EPA 1065 test procedures. Heated gaseous emissions of hydrocarbons and NOx are sampled by Horiba heated oven analyzers.

Gaseous emissions for CO, CO2 and cold NOx are measured using a Horiba Mexa 7400 series gas analyzer. System operation, including the operation of the chassis dynamometer, and all calculations are controlled by a Dell workstation

running Horiba CDCTS test control software. Particulate Filters are weighed in a glove box using a Sartorius microbalance accurate to 1 microgram.

8-V. TEST PREPARATION AND PROCEDURES

The test bus was prepared for emissions testing in accordance with the Fuel Economy Pre-Test Maintenance Form. (In the event that fuel economy test was performed immediately prior to emissions testing this step does not have to be repeated) This is done to ensure that the bus is tested in optimum operating condition. The manufacturer-specified preventive maintenance shall be performed before this test. The ABS system is disabled for operation on the chassis dynamometer. Any manufacturer-recommended changes to the pre-test maintenance procedure must be noted on the revision sheet. The Fuel Economy Pre-Test Inspection Form will also be completed before performing the Emissions test. Both the Fuel Economy Pre-Test Maintenance Form and the Fuel Economy Pre-Test Inspection Form are found in section 6, Fuel Economy Test.

Prior to performing the emissions test, each bus is evaluated to determine its road-load characteristics using coast-down techniques in accordance with SAE J1263. This data is used to program the chassis dynamometer to accurately simulate over-the-road operation of the bus.

Warm-up consisted of driving the bus for 20 minutes at approximately 40 mph on the chassis dynamometer. During emissions testing, the test driver followed the prescribed driving cycle by watching the speed trace and instructions on the Horiba Drivers-Aid monitor which is placed in front of the windshield. The CDCTS computer monitored the test and collected data for calculation of emissions at the end of the test.

This bus was tested for emissions at seated load weight. The emissions data was obtained at the following conditions:

1. Air conditioning off
2. Heater off
3. Defroster off
4. Exterior and interior lights on
5. Windows and Doors closed
6. Seated load weight

The test tanks or the bus fuel tank(s) were filled prior to the fuel economy test with the gasoline fuel.

8-VI DISCUSSION

Table 8.1 provides the emissions testing results on a grams per mile basis for each of the exhaust constituents measured and for each driving cycle performed.

TABLE 8.1 Emissions Test Results

Test Completed at SLW: 14,460 lb.			
Driving Cycle	Manhattan	Orange County Bus	UDDS
CO₂, gm/mi	2039	1353	1183
CO, gm/mi	1.32	0.56	1.97
THC, gm/mi	0.25	0.20	0.21
NMHC, gm/mi	0.07	0.06	0.06
NO_x, gm/mi	0.02	0.00	0.01

8. EMISSIONS TEST



BUS TESTED ON CHASSIS DYNAMOMETER FOR EMISSIONS AND FUEL ECONOMY

220-001

**VEHICLE TEST REPORT
FMVSS/CMVSS 220
SCHOOL BUS ROLLOVER PROTECTION TEST**

TEST VEHICLE

STARCRAFT TRANSIT BUS
FORD ECONOLINE E-450 CUTAWAY

TEST DATE

NOVEMBER 6, 2001

TEST PERFORMED FOR:

STARCRAFT BUS
A DIVISION OF FOREST RIVER INC.
2703 COLLEGE AVENUE
GOSHEN, IN 46528
(219) 533-1105

TEST CONDUCTED BY

STARCRAFT BUS ENGINEERING
AND R & D STAFF INCONJUNCTION WITH PYRAMID1, INC.

PYRAMID1, INC.
19590 C.R. 40
GOSHEN, INDIANA 46526
(574) 537-8033

COMPLIANCE STATEMENT

This vehicle has been tested in accordance with the requirements of the following regulations: Federal Vehicle Safety Standard number 220, as published in the Code of Federal Regulations (CFR) 49, part 571, section 220, revised as of October 1, 1999. Canada Motor Vehicle Safety Standard number 220, as published in the Consolidation of the Motor Vehicle Safety Regulations, revised as of May 27, 1998.

SUMMARY OF RESULTS

ROOF AND BODY STRUCTURE: The roof and body structure of this vehicle meet the requirements of the aforementioned standards.

EXIT OPERATION: All doors, windows, and emergency exits were verified functional, prior to roof load application, under full load, and after test load was removed as required by the aforementioned standards.

APPROVALS

APPROVED BY: _____
MR. JEFF DENNEY
DIRECTOR OF PRODUCT DEVELOPMENT
AND MANUFACTURING ENGINEERING

APPROVED BY: *Jon M. Smith*
MR. JON SMITH P.E.
CONSULTING ENGINEER



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FMVSS 220
SCHOOL BUS ROLLOVER PROTECTION TEST

1. TITLE

School Bus Rollover Protection Test on a Starcraft Mini-bus per the following regulations:

Federal Motor Vehicle Safety Standard Number 220, as published in the Code of Federal Regulations (CFR) 49, part 571, section 220, effective January 27, 1976, and revised as of May 27, 1998.

Canada Motor Vehicle Safety Standard Number 220, as published in the Consolidation of the Motor Vehicle Safety Regulations, revised as of April 1, 1989.

2. OBJECTIVE

To apply a static load to the vehicle's roof and body structure in accordance with the requirements of the aforementioned safety standards.

3. VEHICLE MANUFACTURER

Name: Starcraft Bus
A Division of Forest River Inc.
Address: 2703 College Avenue
Goshen, IN 46528
Contact: Mr. Jeff Denney
(574) 533-1105 Ext. 472

4. SUMMARY OF RESULTS

- 4.1 Roof structure of the test vehicle is adequate to meet the requirements of the standard.
- 4.2 All doors, windows, and emergency exits were functional under load and after the test load was removed as required by the standard.

5. TEST ORGANIZATION

This test was performed by the Engineering and R & D staff of Starcraft Bus, a division of Forest River Inc. in conjunction with Pyramid1 Inc. The test results pertain only to the designated test specimen as tested in accordance with FMVSS/CMVSS No. 220. Further certification of other vehicles of like design and manufacture should be documented by completion of the FMVSS/CMVSS compliance worksheet, referencing compliance requirements, compliance action, and this test report.

6. TEST SPECIMAN

The test vehicle as supplied by Starcraft Bus A Division of Forest River Inc.

Model: 7.3L V-8 D1 Turbo Diesel 190" W.B. 200"Body
Ford Econoline E-450 RV Cutaway

7. TEST INFORMATION

Test Vehicle Weight: 9000 lbs. Curb weight.

Load Platform Weight: 2160 lbs. (platform weight only, no blocks)

Load Block Weight: 11341 lbs. (11 blocks @ 1031 lbs. per block)

Test Load Required: 13500 lbs. (total roof load required)

Test Load (as tested): 13501 lbs. (sum of platform weight and load block weight)

Load Platform: The construction of the platform consists of a steel tubular frame. (See exhibit "A")

Vehicle: The test vehicle was positioned on a concrete pad. Jack stands were placed under each of the two chassis frame rails. (See photo No. 1)

Drawings Detailed Drawings of the Buss Construction utilized in the test are kept on file with Pyramid1, Inc. They can only be obtained with written permission from Starcraft Buss and the approval of Pyramid1, Inc.

8. PROCEDURE

- 8.1 The vehicle was parked in a large clear area, on a concrete pad with jack stands positioned longitudinal under the main chassis rails, spaced approximately evenly, from front to rear. As parked, the vehicle was level transversely and longitudinally. (See photo No. 1 and No. 2)
- 8.2 Vertical height gauges were placed inside the vehicle to record the roof deflection during the test. (See exhibit "B" for the location of the height gauges) and (See photos No. 4, No. 5, and No. 6)
- 8.3 The load rack was loaded with the required amount of weight (11341 lbs. – 1031 lbs. per block)
- 8.4 The test vehicle roof was marked with guidelines, to ensure proper alignment of the load platform.
- 8.5 Roof Preload was applied at a rate of $\frac{1}{4}$ " per second (maximum) until achieving the required 500 lbs. (approximated) (See photo No. 3)
- 8.6 Roof load application was then continued at a rate of $\frac{1}{4}$ " per second (maximum), until the entire platform weight had been applied, as required by the standard. (See photos No. 7)
- 8.7 With the vehicle roof and body structure under full platform load, measurements were recorded from the vertical height gauges. (See photo No. 11 for position #1, photo No.12 is at position #2, and photo No. 13 shows position #3.
- 8.8 Per the requirement of the standard, and with roof and body structure under full platform load, all of the windows, doors, and emergency exits were opened verifying that they were still functional. (See photos No. 8, No. 9, and No. 10)
- 8.9 Per the requirements of the standard, the load platform was removed from the vehicle and all windows, doors, and emergency exits were opened verifying that they were still functional.

9. REQUIREMENT AND TEST LOADING

	<u>REQUIRED</u>	<u>TEST</u>
Applied Load	13500 lbs.	13501 lbs.
Maximum Allowable Roof Deflection	5 1/8"	3 1/2".
Emergency Exit:	Will open under load and will open after load is removed.	Did open under load and did open after load was removed.
Load Rack Size:	36" wide x 6" shorter than the roof at both ends of the vehicle.	36" wide x 6" shorter than the roof at both ends of the vehicle

10. TEST RESULTS

Test results as they were recorded at the time of the testing. Using the vertical height gauges, the following deflections were recorded:

1 – First height gauge located 28 inches from rear recorded 2 1/16 inches of deflection. (See photo No. 4)

2 – The second height gauge located 100 inches from the rear measure a deflection of 3 1/4 inches. (See photo No. 5)

3 – A third and final height gauge located 171 inches from the rear of the test vehicle measure 2 11/16 inches of deflection. (See photo No. 6)

11. CONCLUSION

The test vehicle was tested in accordance with the requirements of the following regulations: Federal Vehicle Safety Standard number 220, as published in the Code of Federal Regulations (CFR) 49, part 571, section 220, revised as of October 1, 1999. Canada Motor Vehicle Safety Standard number 220, as published in the Consolidation of the Motor Vehicle Safety Regulations, revised as of May 27, 1998.

The roof and body structure of the tested vehicle is adequate to meet the requirements of the aforementioned regulations.

APPROVALS

APPROVED BY: _____
MR. JEFF DENNEY
DIRECTOR OF PRODUCT DEVELOPMENT
AND MANUFACTURING ENGINEERING

APPROVED BY: 
MR. JON SMITH
CONSULTING ENGINEER



A. General Vehicle Information:

Vehicle Make:	<u>FORD E-450</u>	Engine Type:	<u>7.3L V-8 D1 Turbo Diesel</u>
Year:	<u>2001</u>	Displacement:	<u>444 cu. in.</u>
Model:	<u>ALL-STAR 25-01</u>	Transmission Type:	<u>Automatic</u>
Manufacture Date:	<u>09/18/01</u>	Speeds:	<u>4 with over drive</u>
V.I.N.:	<u>1FDWE45FX2HA01298</u>	Wheel Base:	<u>190"</u>

B. Chassis Information:

Make: E-450 Super Duty Cutaway (Ford)
 Model: Transit Bus

C. Tire Information:

Manufacturer: Firestone
 Type: Steel TEX Radial
 Size: Front: LT 225/75R16E Rear: LT 225/75R16E
 Pressure (PSI): Front: 80 PSI (COLD) Rear: 80 PSI (COLD)

D. Vehicle Weight (lbs.):

GVWR:	<u>14,050</u>			
GVWR:	Front: <u>4,600</u>	Rear: <u>9,450</u>	Total: <u>14,050</u>	
Curb Weight:	Front: <u>1,810</u>	Rear: <u>2,690</u>		
	<small>(RIGHT SIDE)</small>	<small>(RIGHT SIDE)</small>		
	Front: <u>1,825</u>	Rear: <u>2,675</u>	Total: <u>9,000</u>	
	<small>(LEFT SIDE)</small>	<small>(LEFT SIDE)</small>		



A. General Test Information:

Ambient Temperature: 40 °F
 V.I.N.: 1FDWE45FX2HA01298
 Curb Weight: 9,000 lbs.
 Load Rack Weight: 2,160 lbs.
 Required test load at 1-1/2 x curb weight = 13,500 lbs.
 Weight of Blocks: 1,031 lbs. each
 Number of Blocks: 11 = 11,341 lbs.
 Load Rack Weight: = 2,160 lbs.
 Total Weight: = 13,501 lbs.

Maximum Allowed Deflection 5-1/8"
 Number of Vertical Measurement Guides: Three Inside Unit.
 (see exhibit "B" for location)

Test Results:

Guide	"A"	"B"	"C"	NOTE
Start	77-11/16"	77-1/2"	77-1/2"	see photos 4, 5 and 6
Loaded	75-5/8"	74-1/4"	74-13/16"	see photos 11, 12 and 13
Deflection	2-1/16"	3-1/4"	2-11/16"	
Unloaded	77-1/8"	76-3/8"	76-5/8"	see photos 14, 15 and 16

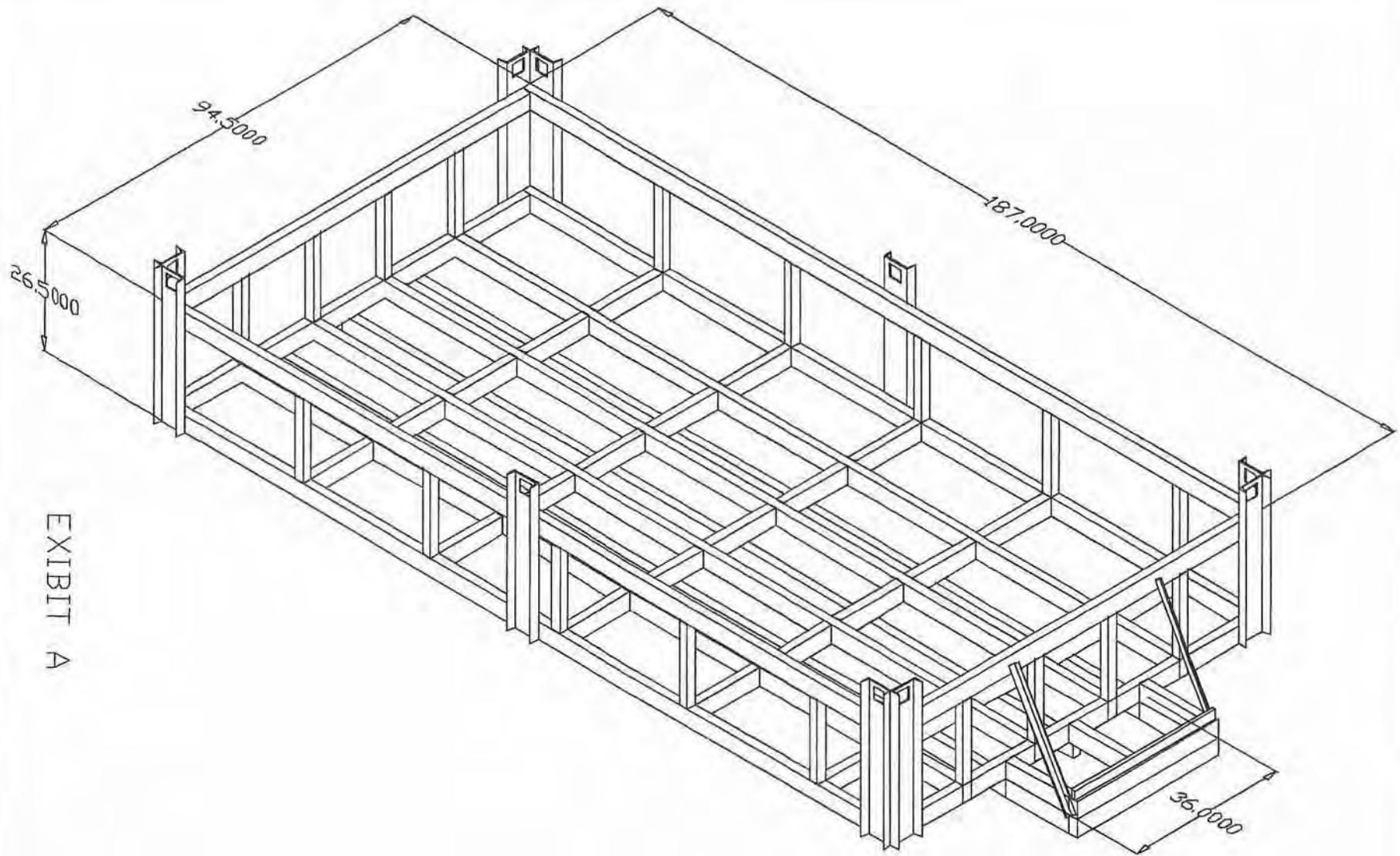


EXHIBIT A

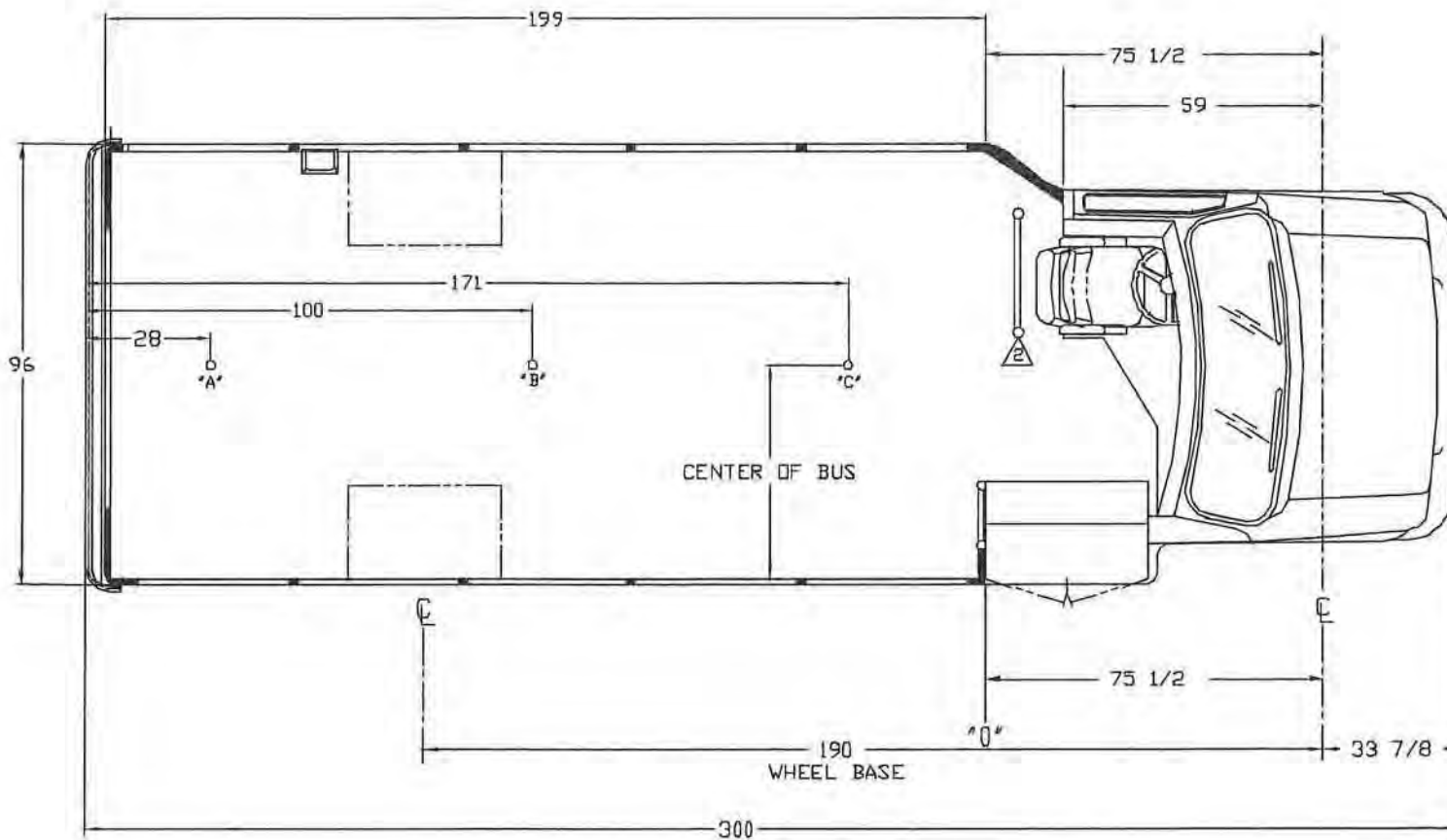
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STARCRAFT AUTOMOTIVE INC.
BUS & MOBILITY DIVISION

TOLERANCE UNLESS OTHERWISE SPECIFIED	DATE: 10/8/01	TITLE: EXHIBIT A	
± .00 ± .030	DFTSN: MDK	SCALE	DWG. No. 00152
± .000 ± .015	CHKR:	DISK No.	SHEET 1 OF 1
± .0000 ± .005	APRVD:		

REV. LET.	DESCRIPTION OF CHANGE	BY	CHK	DATE	ECN No.

EXHIBIT B



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STARCRRAFT AUTOMOTIVE INC.
BUS & MOBILITY DIVISION

REV. LET.	DESCRIPTION OF CHANGE	BY	CHK	DATE	EDN No.

TOLERANCE UNLESS OTHERWISE SPECIFIED	DATE: 10/8/01	TITLE
WOOD OTHER	DFTSN MDK	220 ROOF CRUSH TEST BUS
± 1/8" ± 1/16"	CHKR:	SCALE
± 1" ± 1/2"	APRVD	DWG No. EXHIBIT B
		DISK No. SHEET 1 OF 1



Photo No.1



Photo No. 2

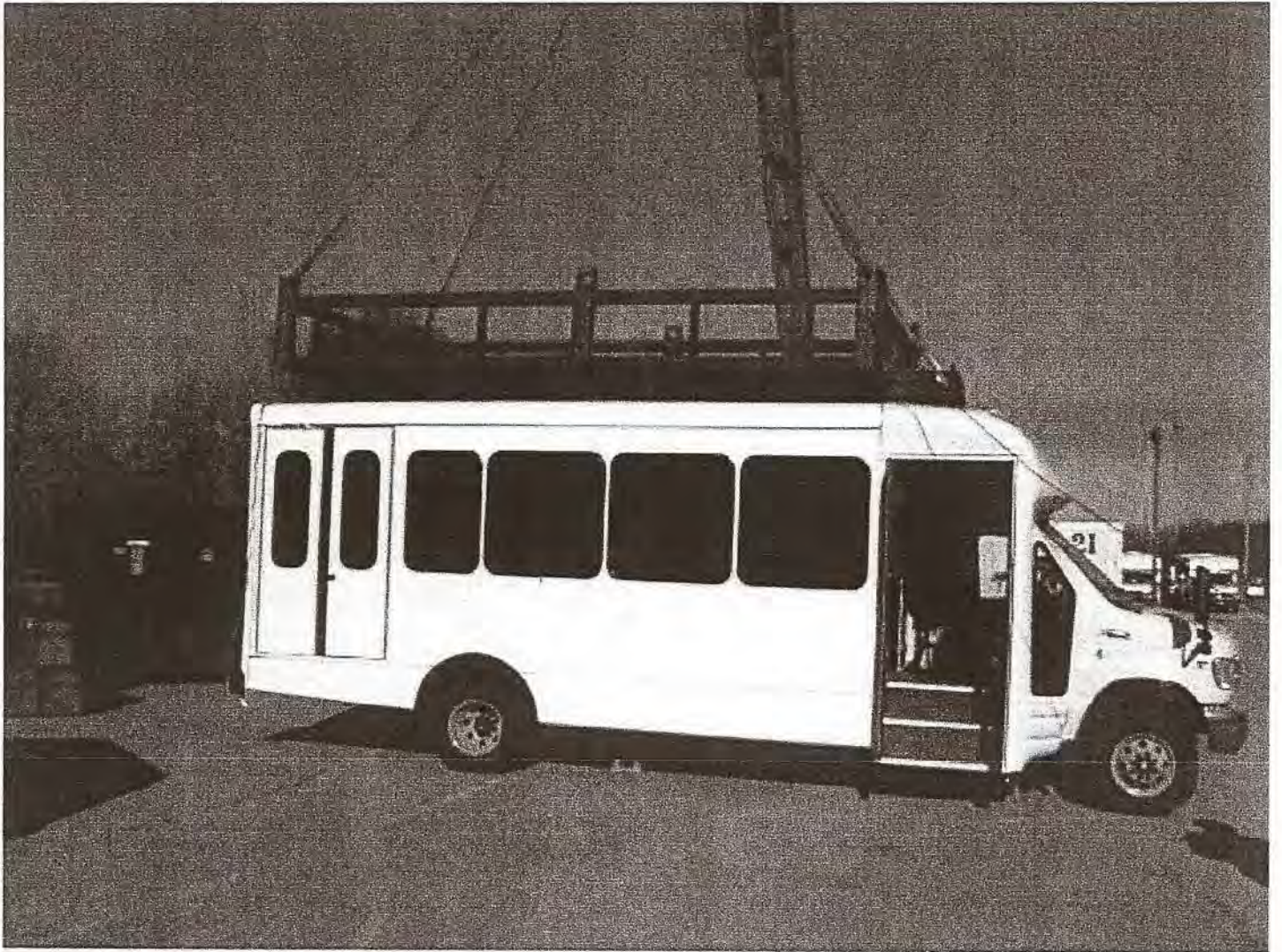


Photo No. 3



Photo No. 4



Photo No. 5

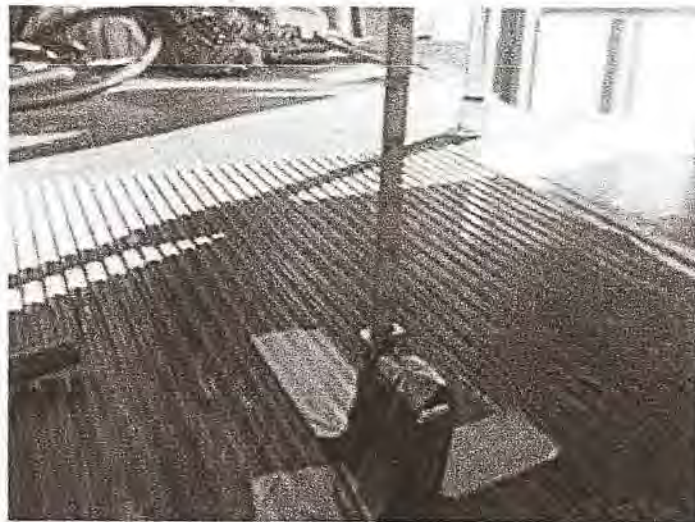


Photo No. 6

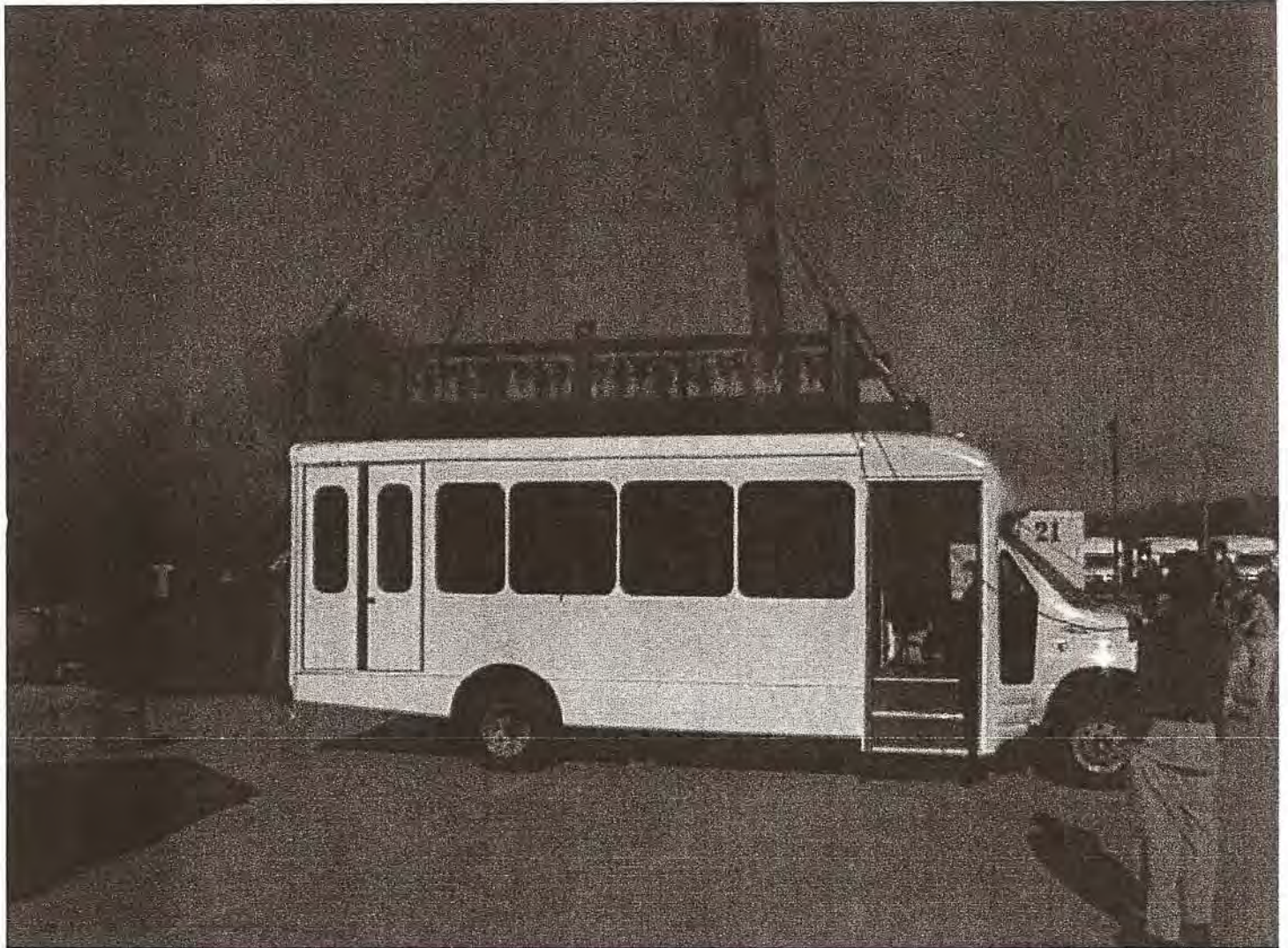


Photo No. 7



Photo No. 8

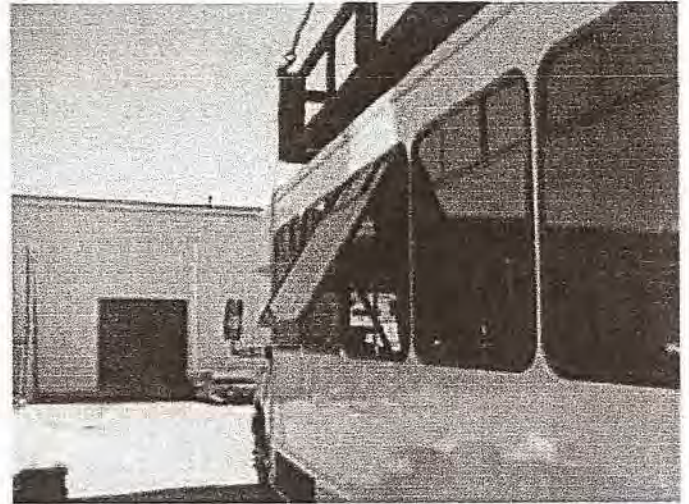


Photo No. 9

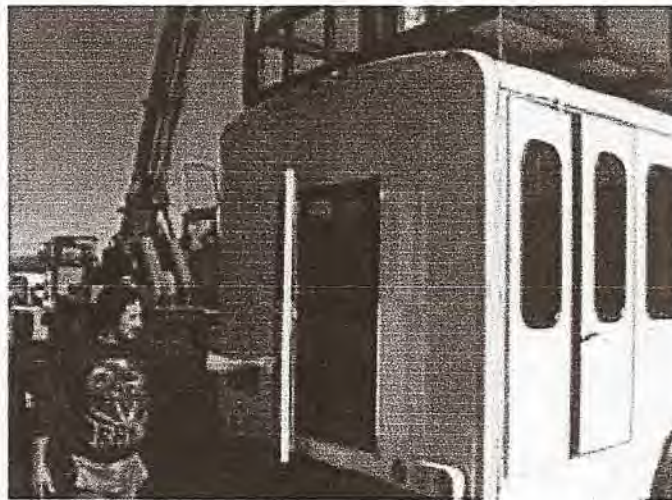


Photo No. 10



Photo No. 11



Photo No. 12

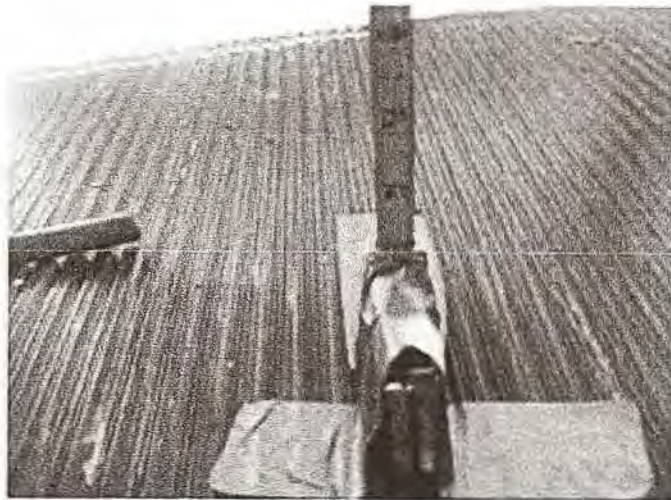


Photo No. 13

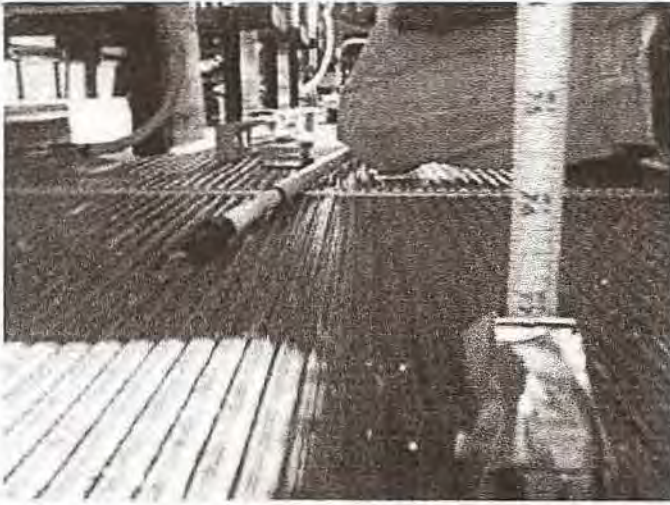


Photo No. 14



Photo No. 15



Photo No. 16

Starcraft Bus Division

P.O. Box 1903
 Goshen, IN 46526
 (800) 348-7440
 FAX (219) 533-6850

Sales Order: **M1771**
 Date: **Sept 17, 2001**
 Customer PO#:
 Shipped Via: **Best Way**

Customer No:

F.O.B. Point: **Goshen**
 Terms: **COD**

Sold To: **DEMO**
 Address:
 City:
 Phone:
 FAX:
 Contact:

Stretch: **YES**

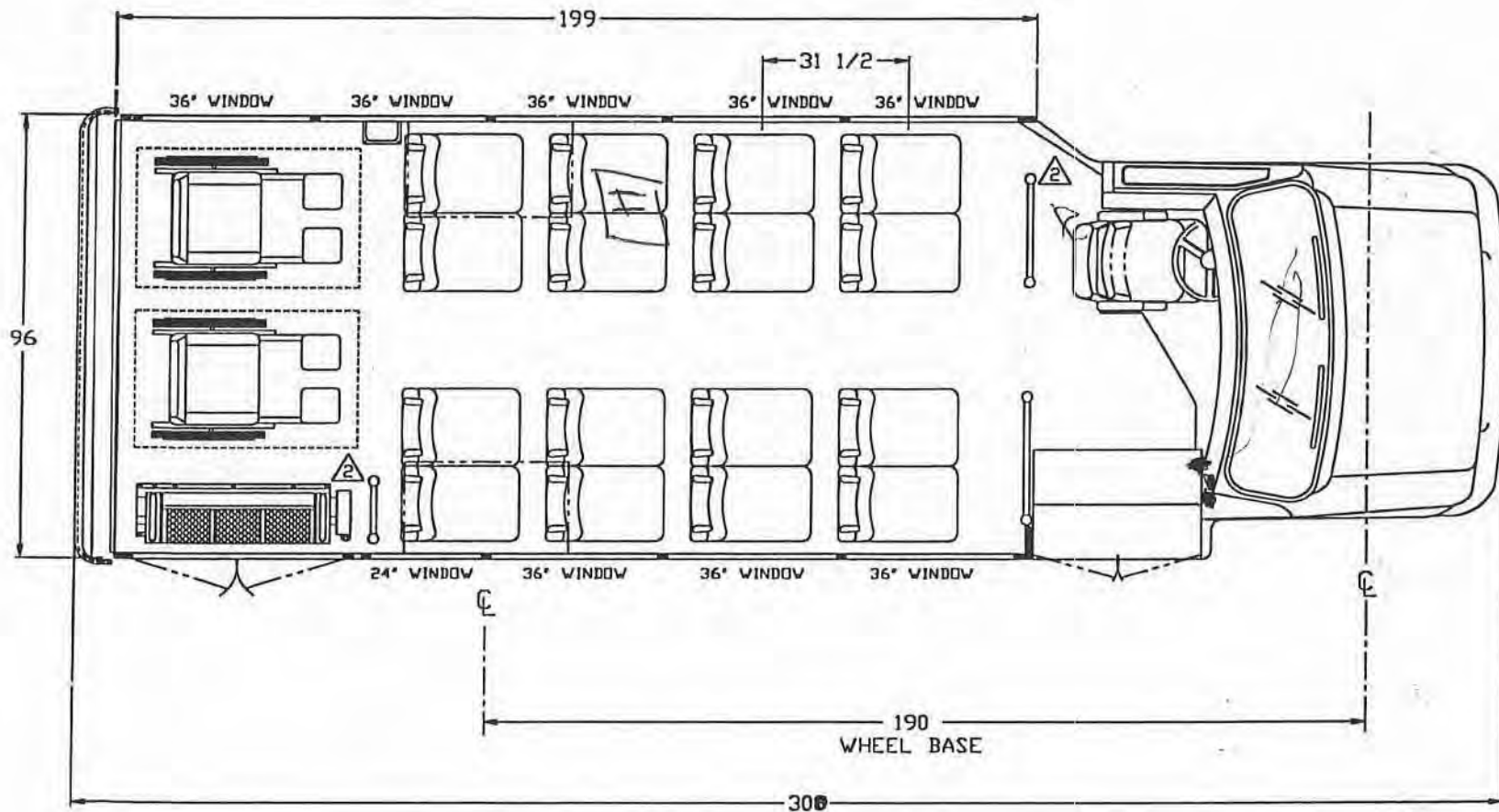
Model & No. **2015 Allstar 25-01 Ford E45, 190" Wheelbase-Dsl**
 Description **16 Passenger / 2 WC / Driver**
 V.I.N. No. **1FDWE45FX2HA01298**

OPTION CODE	QUAN	ITEM
1	1	Front Mud Flaps
143	1	Drive Shaft Guards (2) ✓
5	1	Spare Tire Carrier ✓
9	1	Interior Convex Mirror
116	1	Running Board on Driver Side
63	1	Standard Electric Passenger Entry Door
16	1	Rear Door, (1) Window ✓
133	1	Exterior Passenger Entrance Door Key
27	1	Door Ajar Buzzer on Rear Door
28	1	Door Ajar Buzzer on Wheelchair Door
39	1	AC553(Max)67,000BTU,Dual Comp,Air,EM1,C/M3(Ford:Ds) ✓
44	1	Hot Water Heater, 35,000 BTU
47	1	Colored Rubber on Entire Floor
50	2	Ceiling Grab Rail (Each)
130	1	1 1/4" Grab Rail Parallel to Entrance Steps (both sides)
51	1	Stanchion and Modesty Panel behind Driver
58	1	Deluxe AM/FM / Cassette / 4 Speakers
64	1	High Back Recliner Driver Seat, Armrest, Lumbar
42	1	Driver Seat Cover-Level 3-Color:
67	8	Mid-High Back Double Seat
73	16	Seat Cover-Level 3-Color:
15	1	Dbl W/C Drs,2Winds,2Ext Lights, Int Light, Addl Spring ✓
95	1	Braun ADA Millennium Wheelchair Lift (33"x48")
96	1	ADA Brake / Transmission Interlock
100	2	Q Straint Track Tiedown
102	2	Q Straint Belt Storage Pouch
104	1	ADA Decals
FMVSS 220 New Electrical		
Sidewall: Grey FRP Ceiling: Grey Cloth Aisle: Grey Rubber Under Seats: Grey Rubber Driver Area: Grey Vinyl Seats: 965 Sherpa Gray Heather - use seats we already have in stock Exterior Graphic: NONE		

*wheel Torque
 140 LBS. @
 MZO*

Ship To:
 Address:
 City:
 Contact:
 Phone:
 FAX:

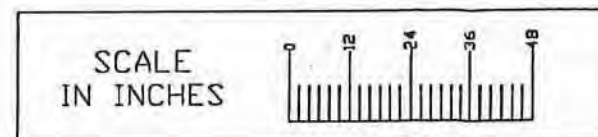
Dealer Signature: _____



NOTES

- 1) FLOOR PLAN IS SHOWING FLAT REAR WALL.
- 2) OPTIONAL MODESTY PANEL.
- 3) SEE SALES ORDER FOR OPTIONS.

DEALER APPROVAL	
<input type="checkbox"/>	APPROVED
_____ CUSTOMER SIGNATURE	



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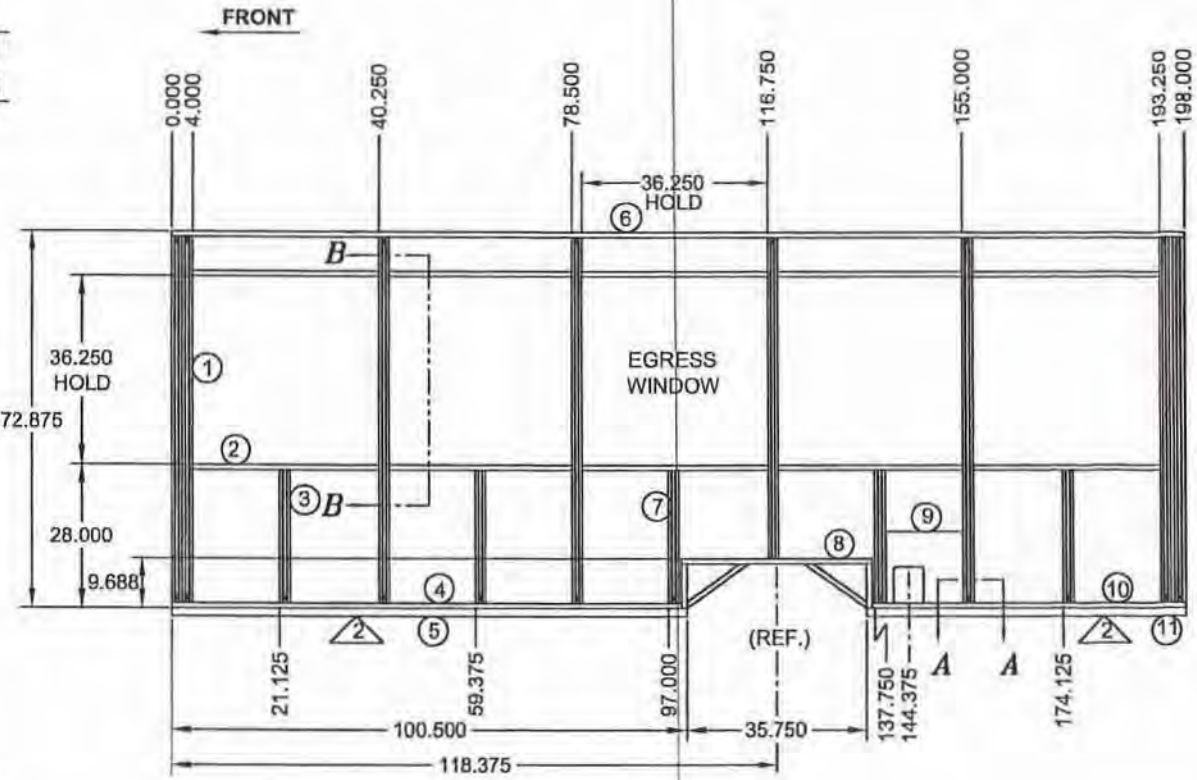
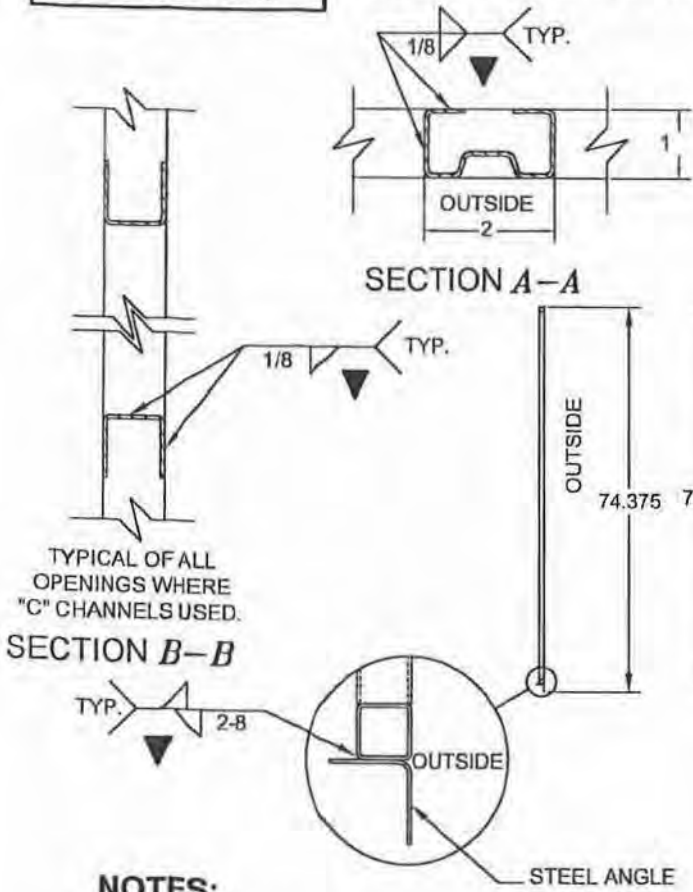
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TOLERANCE UNLESS OTHERWISE SPECIFIED	DATE: 07/23/99
WOOD	DFTSN: DJB
OTHER	CHKR:

STARCRAFT AUTOMOTIVE INC.
TRANSIT BUS DIVISION
TITLE 16/2 WC PASSENGER 190WB FORD CUTAWAY

CRITICAL CONTROL ITEM

USAGE: FORD 190"WB/199"BODY



NOTES:

1- DRAWING VIEWED FROM EXTERIOR SIDE OF UNIT.

2- ANGLE TO BE WELDED FLUSH WITH OUTSIDE EDGE OF WALL.

REF. No.	QTY.	PART No.	MATERIAL DESCRIPTION	REF. No.	QTY.	PART No.	MATERIAL DESCRIPTION
4	1	02071055	TUBE: 16ga. x 1" x 1" x 99-1/2"Lg. A-513	11	1	02071056	ANGLE: 16ga. x 1-1/2" x 1-1/2" x 61-3/4"Lg. A-513
3	4	02062351	WALL BOW: 18ga. x 1" x 2" x 26-3/4"Lg. A-513	10	1	02071055	TUBE: 16ga. x 1" x 1" x 60-3/4"Lg. A-513
2	10	02071053	"C" CHANNEL: 16ga. x 1" x 1" x 36-1/4"Lg. A-513	9	1	80223	BACKER, SIDEWALL FUEL FILL
1	7	02062351	WALL BOW: 18ga. x 1" x 2" x 70-7/8"Lg. A-513	8	1	80201	FRAME, SIDEWALL WHEEL WELL FORD
				7	1	02062351	WALL BOW: 18ga. x 1" x 2" x 63-3/16"Lg. A-513
				6	1	02071055	TUBE: 16ga. x 1" x 1" x 198"Lg. A-513
				5	1	02071056	ANGLE: 16ga. x 1-1/2" x 1-1/2" x 100-1/2"Lg. A-513

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REV. LET.	DESCRIPTION OF CHANGE	BY	CHK	DATE	ECH No.

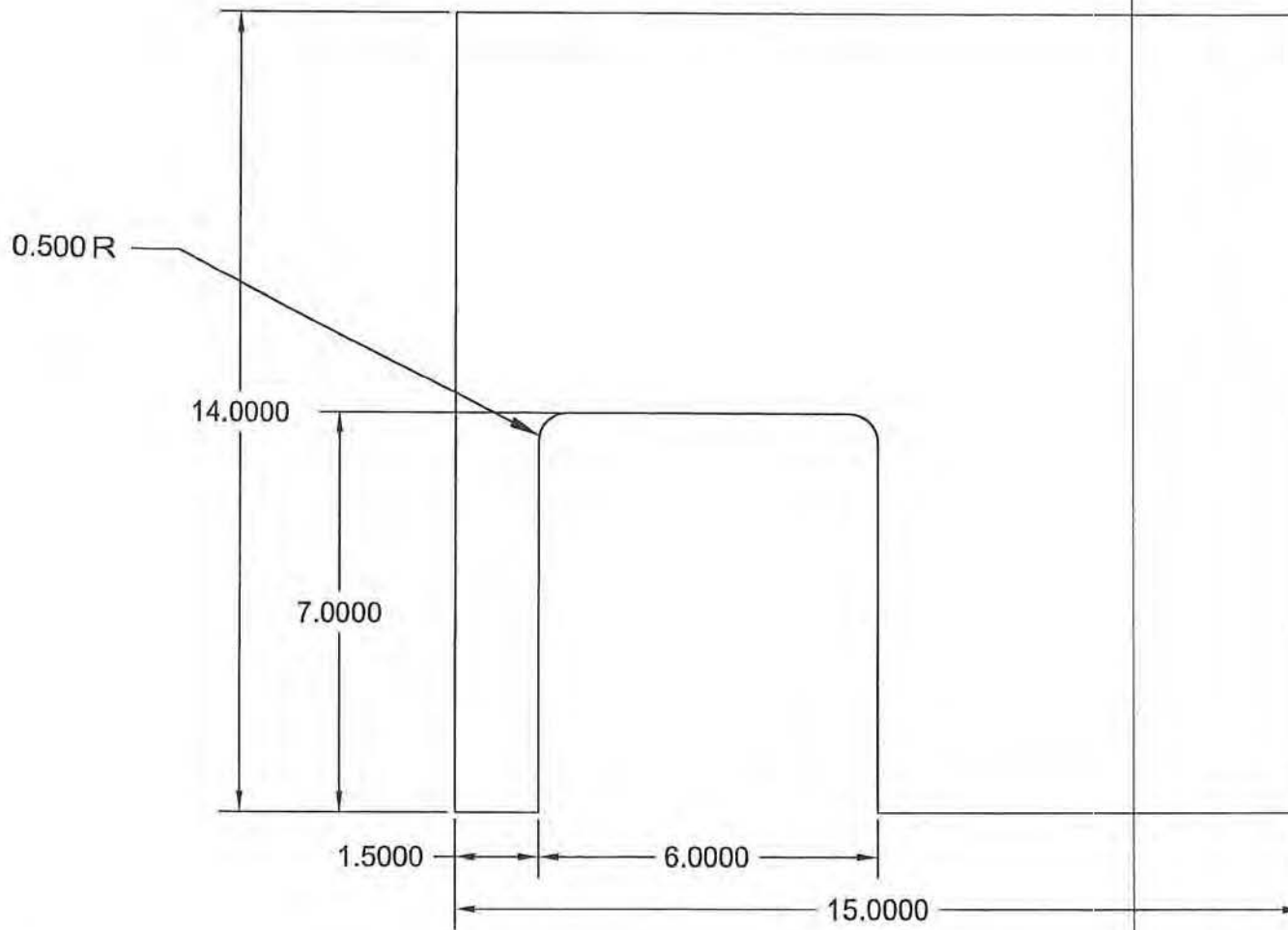
STARCRAFT AUTOMOTIVE INC.
BUS & MOBILITY DIVISION

TOLERANCE UNLESS OTHERWISE SPECIFIED: WOOD ± 1/8" OTHER ± 1/16"

DATE: 01/10/02
 DFTSN: LDH
 CHKR: [Signature]
 APRVD: [Signature]

TITLE: **FRAME, LEFT SIDEWALL CUTAWAY MODEL 25**


SCALE: [Blank] DWG. No. **80222**
 DISK No. [Blank] SHEET **of 1**



NOTES:
 1- MATERIAL: 1/2" PLYWOOD

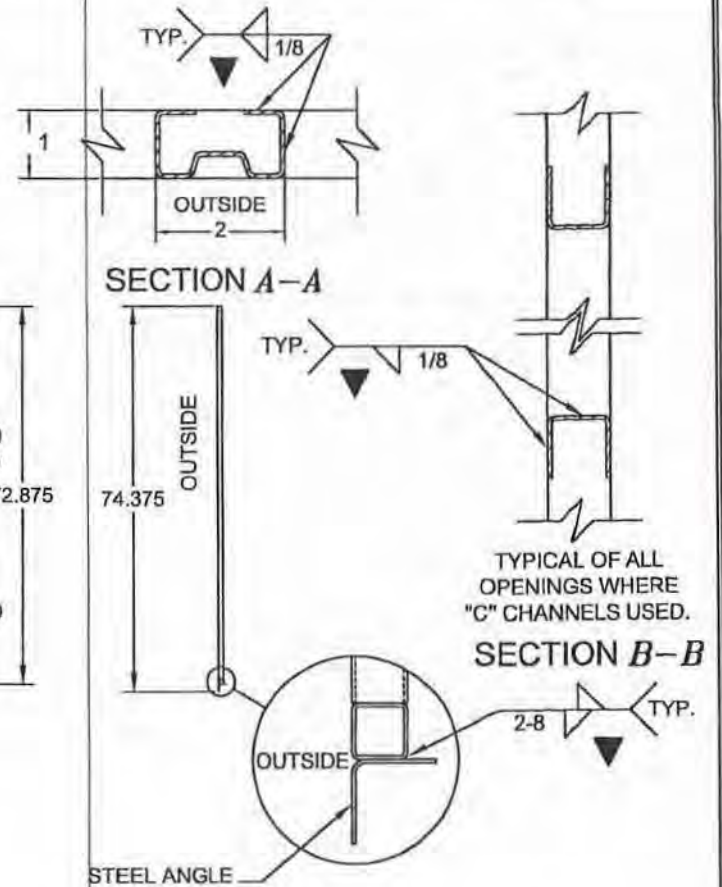
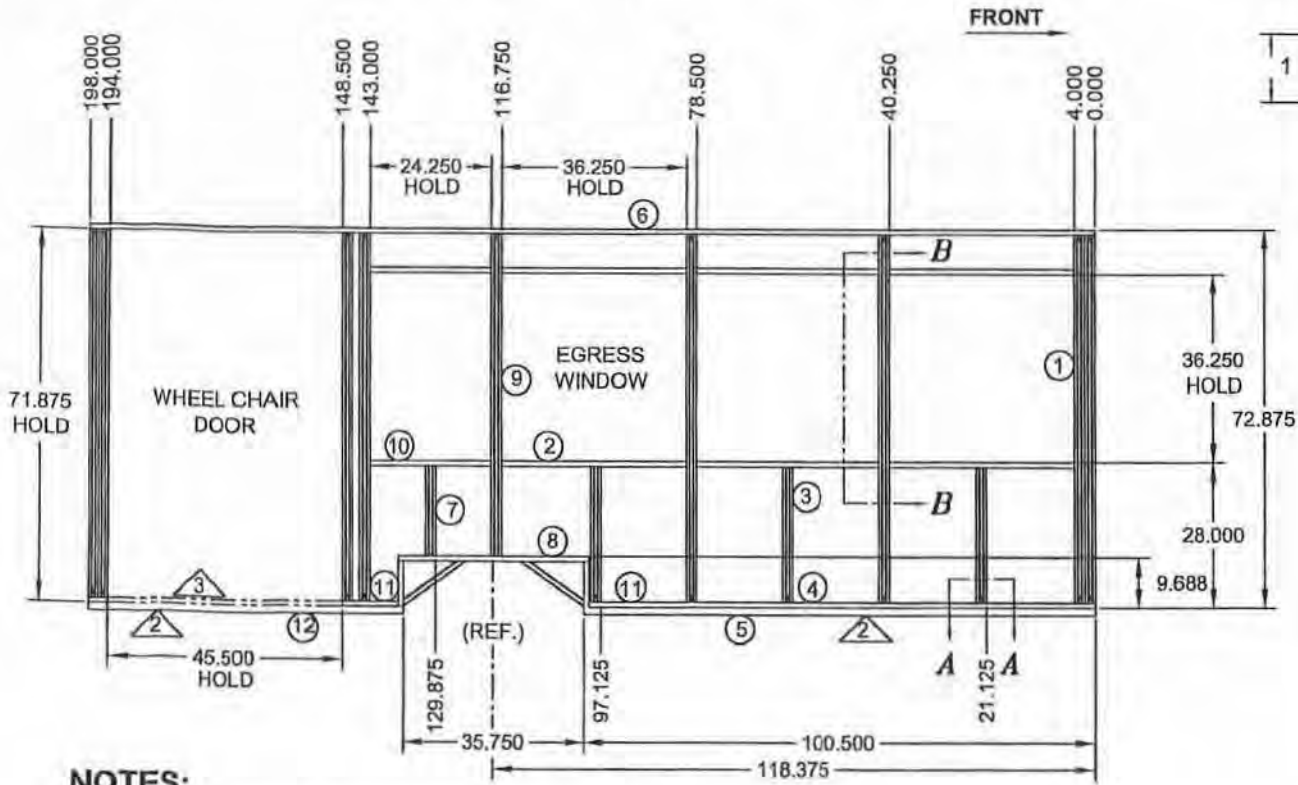
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REV. LET.	DESCRIPTION OF CHANGE	BY	CHK	DATE	ECN No.

 STARCRAFT AUTOMOTIVE INC. BUS & MOBILITY DIVISION		DATE: 01/11/02	TITLE: BACKER, FUEL FILL MODEL 25 FORD
		DFTSN: LDH	
TOLERANCE UNLESS OTHERWISE SPECIFIED	± .00	± .030	CHKR:
	± .000	± .015	SCALE:
	± .0000	± .005	APRVD:
			DISK No. 80223
			SHEET 1 OF 1

CRITICAL CONTROL ITEM

USAGE: FORD 190"WB/199"BODY



NOTES:

- 1- DRAWING VIEWED FROM EXTERIOR SIDE OF UNIT.
- 2- ANGLE TO BE WELDED FLUSH WITH OUTSIDE EDGE OF WALL.
- 3- REMOVE STEEL TUBE IN DOOR AREA AFTER WALL MOUNT TO FLOOR, BUT BEFORE INSTALLING DOOR JAM ASSEMBLY.

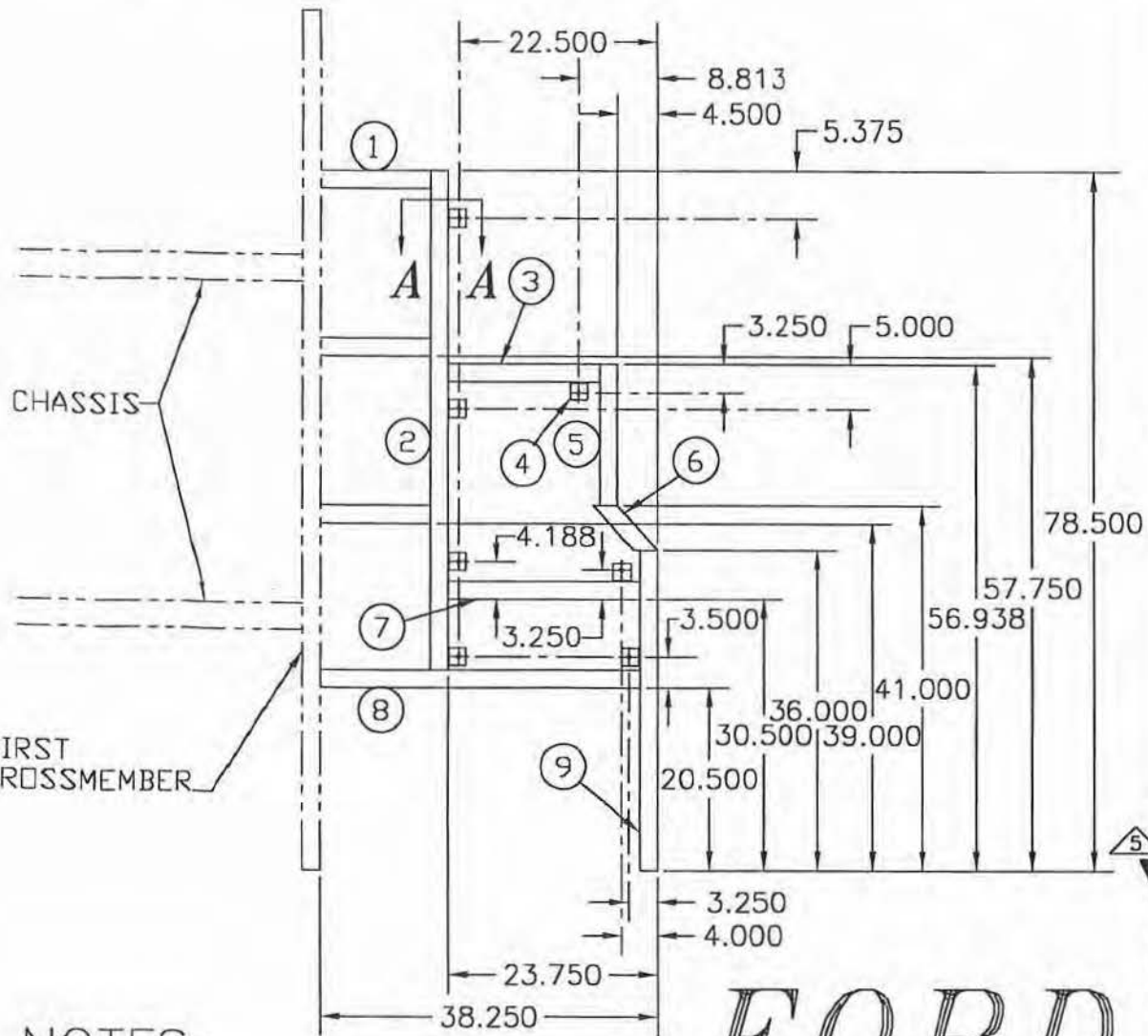
4	1	02071055	TUBE: 16ga. x 1" x 1" x 99-1/2"Lg. A-513	12	1	02071056	ANGLE: 16ga. x 1-1/2" x 1-1/2" x 61-3/4"Lg. A-513
3	3	02062351	WALL BOW: 18ga. x 1" x 2" x 26-3/4"Lg. A-513	11	1	02071055	TUBE: 16ga. x 1" x 1" x 60-3/4"Lg. A-513
2	6	02071053	"C" CHANNEL: 16ga. x 1" x 1" x 36-1/4"Lg. A-513	10	2	02071053	"C" CHANNEL: 16ga. x 1" x 1" x 24-1/4"Lg. A-513
1	8	02062351	WALL BOW: 18ga. x 1" x 2" x 70-7/8"Lg. A-513	9	1	02062351	WALL BOW: 18ga. x 1" x 2" x 62-3/16"Lg. A-513
REF. No.	QTY.	PART No.	MATERIAL DESCRIPTION	REF. No.	QTY.	PART No.	MATERIAL DESCRIPTION
				8	1	80201	FRAME, SIDEWALL WHEEL WELL FORD
				7	1	02062351	WALL BOW: 18ga. x 1" x 2" x 17-1/2"Lg. A-513
				6	1	02071055	TUBE: 16ga. x 1" x 1" x 198"Lg. A-513
				5	1	02071056	ANGLE: 16ga. x 1-1/2" x 1-1/2" x 100-1/2"Lg. A-513

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STARCRRAFT AUTOMOTIVE INC.
BUS & MOBILITY DIVISION

TOLERANCE UNLESS OTHERWISE SPECIFIED	DATE: 01/10/02	TITLE: FRAME, R/S REAR LIFT CUTAWAY MODEL 25
WOOD: ± 1/8" OTHER: ± 1/16"	DFTSN: LDH	SCALE: DWG. No. 80221
± 1" ± 1/2"	CHKR: APRVD:	DISK No. SHEET 1 of 1

REV. LET.	DESCRIPTION OF CHANGE	BY	CHK	DATE	ECN No.

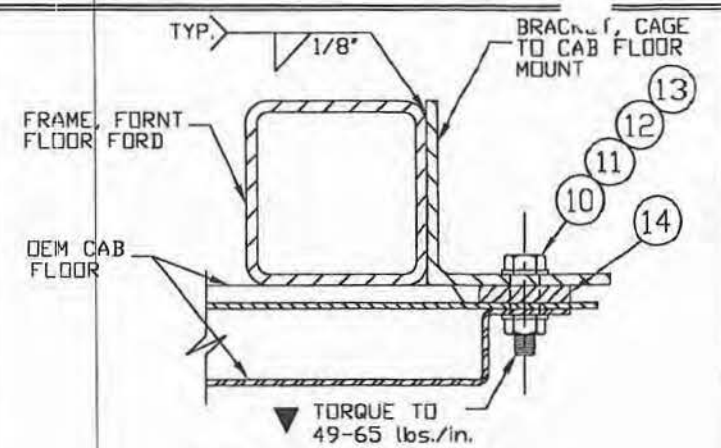


FORD

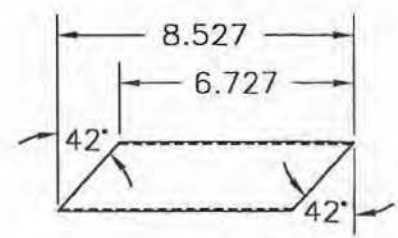
NOTES:

- 1- VIEWED FROM INTERIOR SIDE OF UNIT.
- 2- SEE DETAIL-A FOR ANGLE CUT INFORMATION.
- 3- WELD TUBING ON ALL SIDES AND GRIND FLUSH ON TOP SIDE.
- 4- USE WHERE NEEDED ONLY.

▼ CRITICAL CONTROL ITEM



SECTION A-A



DETAIL "A"

NTS.

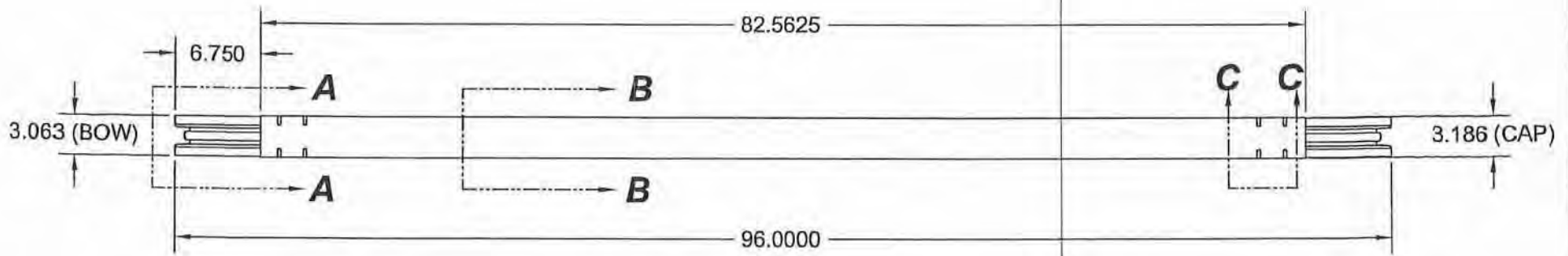
NTS.

14	7	02071067	STEEL FLAT, 3/16" x 1" x 1"
13	7	80052007	NUT, HEX HEAD: 3/8"-16 UNC GRADE 5 ZINC
12	7	80042015	WASHER, MED LOCK: 3/8" ZINC
11	14	80042007	WASHER, FLAT: 3/8" USS ZINC
10	7	80112051	BOLT, HEX HEAD: 3/8"-16 x 1" UNC GRADE 5 ZINC
9	1	02071062	TUBING, 16ga. x 2 x 2 x 36 A-513
8	1	02071062	TUBING, 16ga. x 2 x 2 x 36-3/16 A-513
7	1	02071062	TUBING, 16ga. x 2 x 2 x 21-11/16 A-513
6	1	02071062	TUBING, 16ga. x 2 x 2 x 8-9/16 A-513
5	1	02071062	TUBING, 16ga. x 2 x 2 x 15-3/4 A-513
4	7	100008	BRACKET, CAGE TO CAB FLOOR MOUNT
3	1	02071062	TUBING, 16ga. x 2 x 2 x 17-3/16 A-513
2	1	02071062	TUBING, 16ga. x 2 x 2 x 56 A-513
1	3	02071062	TUBING, 16ga. x 2 x 2 x 12-7/16 A-513

REF. No.	QTY.	PART No.	MATERIAL DESCRIPTION
			TOLERANCE UNLESS OTHERWISE SPECIFIED
			DATE: 03/07/98
			STARCRAFT AUTOMOTIVE INC. TRANSIT BUS DIVISION
			TITLE FRAME, FRONT FLOOR FORD
			SCALE 1'-0"=16'-0"
			DWG. No. 100016
			DISK No.
			SHEET OF

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REV. LET.	DESCRIPTION OF CHANGE	BY	CHK	DATE	ECN No.
A	Released For Production	LDH	LDH	03/98	PROTO



SEE DETAIL ON SHEET 2

NOTES:

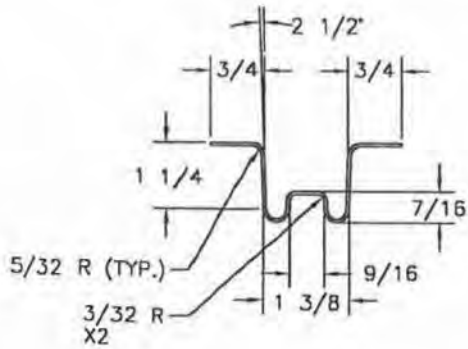
- 1- BEND RADIUS EQUAL TO MATERIAL THICKNESS.
- 2- REMOVE ALL SHARP EDGES.
- 3- COAT FINISH PART WITH A SELF-ETCHING ANTI-CORROSIVE PAINT.
- 4- SEE SHEET 2 OF 2 FOR SECTION VIEWS AND DETAILS.
- 5- MATERIAL: BOW: (16ga.HRS) CAP: (18ga.HRS).
- 6- P/N: 02062357

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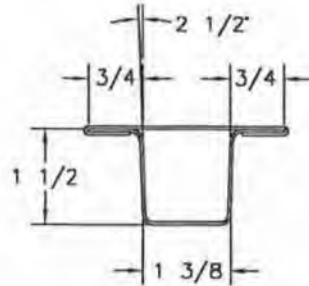
REV. LET.	DESCRIPTION OF CHANGE	BY	CHK	DATE	ECN No.

STAR *STARCRAFT AUTOMOTIVE INC.*
BUS & MOBILITY DIVISION

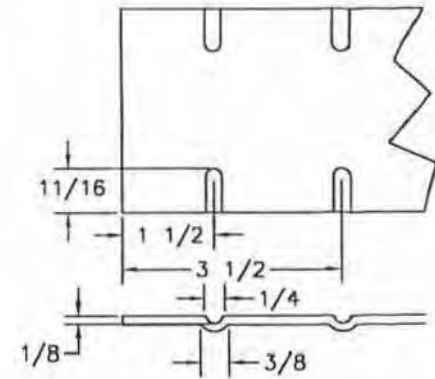
TOLERANCE UNLESS OTHERWISE SPECIFIED	DATE: 01/11/02	TITLE: BOW, ROOF FORD & CHEVY SHUTTLE
± .00 ± .030	DFTSN: LDH	SCALE: DWG. No. 80225
± .000 ± .015	CHKR:	DISK No. SHEET 1 OF 2
± .0000 ± .005	APRVD:	



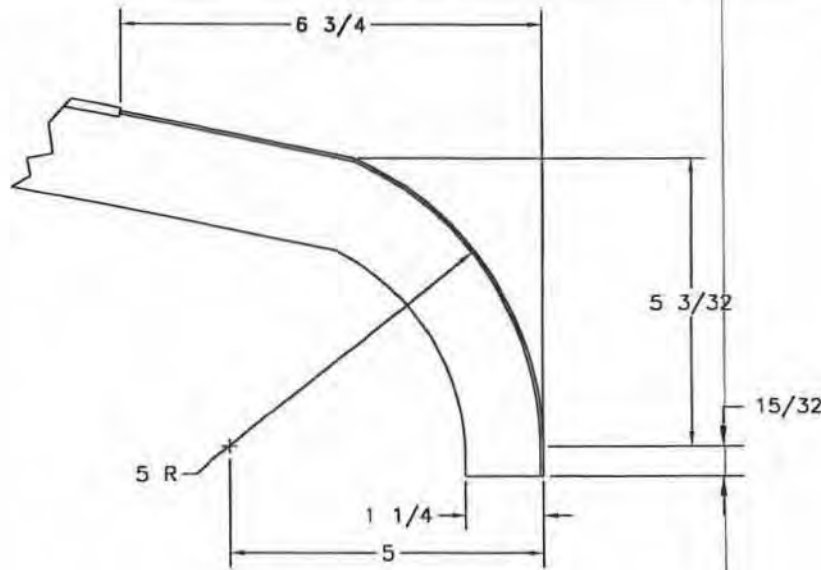
SECTION A-A



SECTION B-B



SECTION C-C



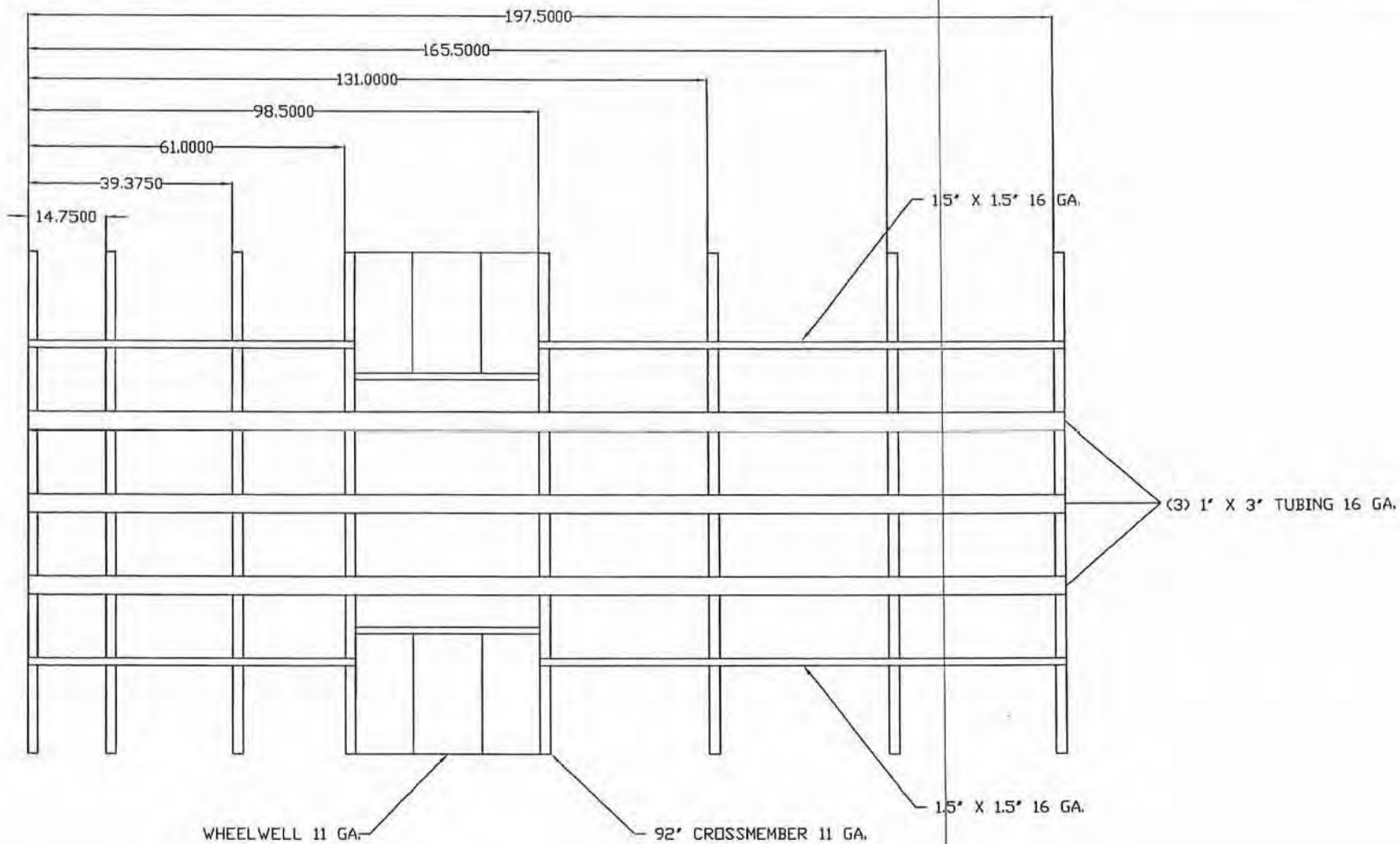
DETAIL

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REV. LET.	DESCRIPTION OF CHANGE	BY	CHK	DATE	ECN No.

STARCRRAFT AUTOMOTIVE INC.
BUS & MOBILITY DIVISION

TOLERANCE UNLESS OTHERWISE SPECIFIED	DATE: 01/11/02	TITLE: BOW, ROOF FORD & CHEVY SHUTTLE
± .00 ± .080	DFTSN: LDH	SCALE: DWG. No. 80225
± .000 ± .015	CHKR:	DISK No. SHEET 2 OF 2
± .0000 ± .005	APRVD:	



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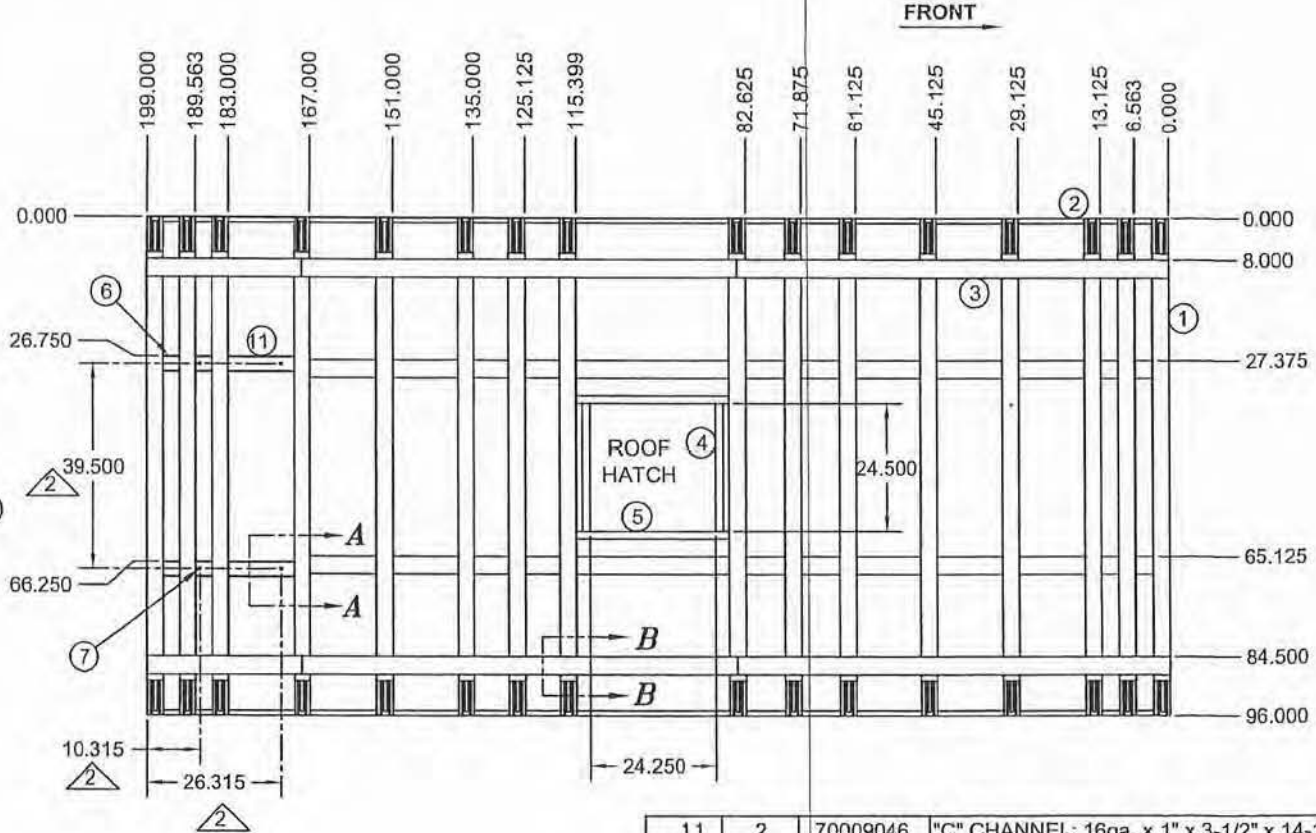
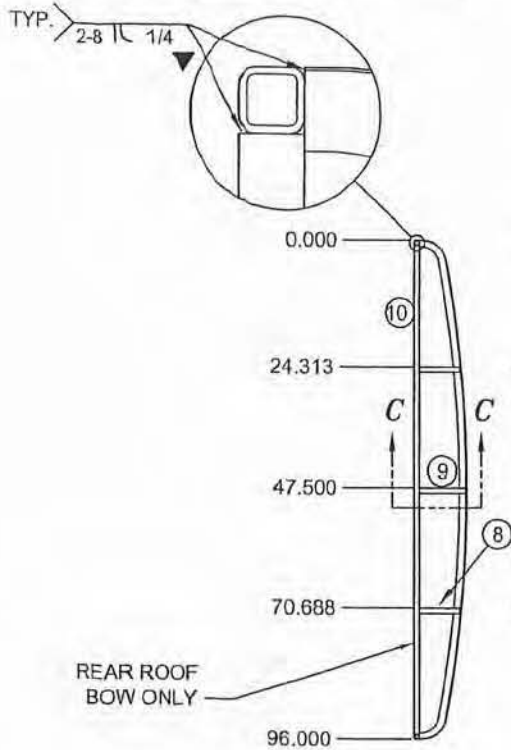
REV. LET.	DESCRIPTION OF CHANGE	BY	CHK	DATE	ECN No.

STARCRRAFT AUTOMOTIVE INC.
BUS & MOBILITY DIVISION

TOLERANCE UNLESS OTHERWISE SPECIFIED	DATE: 12/04/00	TITLE: 199' FLOOR
WOOD: ± 1/8" OTHER: ± 1/16"	DFTSN: MDK	SCALE: DWG. No. 80065
± 1" ± 1/2"	CHKR: APRVD:	DISK No. SHEET 1 OF 1

▼ CRITICAL CONTROL ITEM

USAGE: FORD & CHEVY 199" BODY



NOTES:

- 1- DRAWING VIEWED FROM EXTERIOR SIDE OF UNIT.
- 2- A/C BOLT PATTREN MAY VERY SEE SALES ORDER.
- 3- BEFORE CUT ROOF HATCH SEE SALES ORDER.
- 4- SCREW LOCATION AT SEAMS AND EDGES 8" ON CENTER ALL OTHER LOCATION 16" ON CENTER.
- 5- SEALANT USAGE: 1/4" MIMIMUM 3/8" MAXIMUM BEAD ON ALL ROOF FRAME TO LUAN SURFACES.

REF. No.	QTY.	PART No.	MATERIAL DESCRIPTION
11	2	70009046	"C" CHANNEL: 16ga. x 1" x 3-1/2" x 14-1/2"Lg.
10	1		TUBE: 11ga. x 1" x 1" x 94"Lg. A-513
9	1		TUBE: 11ga. x 1" x 1" x 9-1/4"Lg. A-513
8	2		TUBE: 11ga. x 1" x 1" x 8"Lg. A-513
7	4		BOLT: 3/8-16 x 3"Lg. HEX HEAD
6	4	70009046	"C" CHANNEL: 16ga. x 1" x 3-1/2" x 4-1/2"Lg.
5	2	70009047	"C" CHANNEL: 16ga. x 1-3/8" x 1-3/8" x 31-3/8"Lg.
4	2	70009047	"C" CHANNEL: 16ga. x 1-3/8" x 1-3/8" x 24-1/2"Lg.
3	12.5		SHEET STEEL: 16ga. x 3-1/2" x 96"Lg.
2	2		TUBE: 16ga. x 1" x 1" x 199"Lg. A-513
1	16	02062357	ROOF BOW W/CAP 16ga. x 3-3/16 x 96"Lg.

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REV. LET.	DESCRIPTION OF CHANGE	BY	CHK	DATE	ECN No.

STARCRRAFT AUTOMOTIVE INC.
BUS & MOBILITY DIVISION

TOLERANCE UNLESS OTHERWISE SPECIFIED

DATE: 01/11/02

TITLE: **FRAME, ROOF FORD & CHEVY 199" BODY**

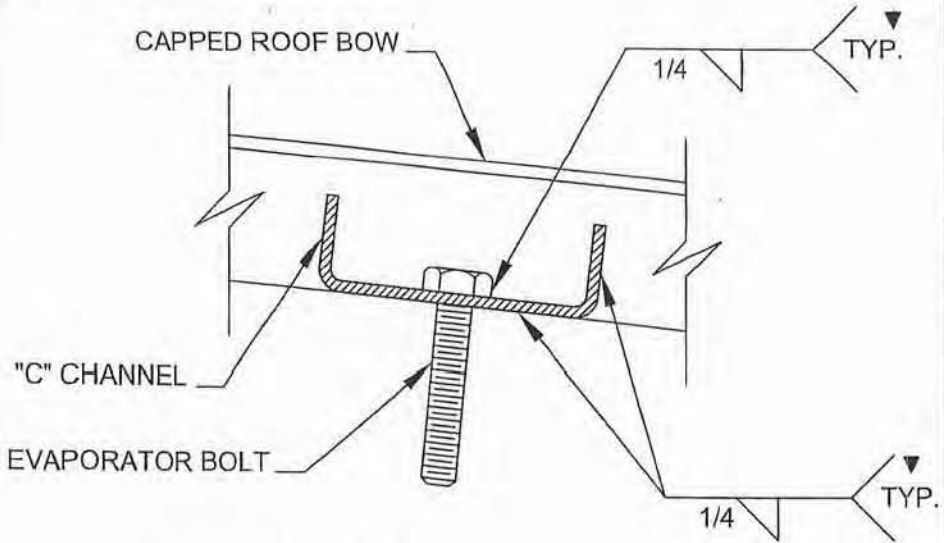
DFTSN: LDH

WOOD: ± 1/8" OTHER: ± 1/16"

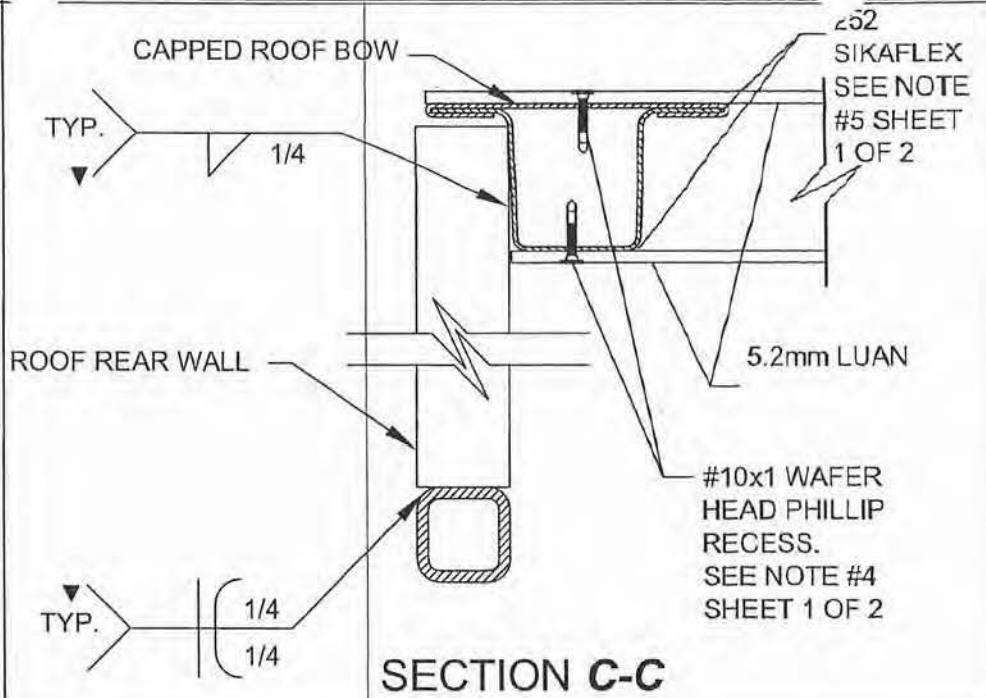
CHKR: SCALE: DWG. No. 80224

APRVD: ± 1° ± 12" DISK No. SHEET of 2

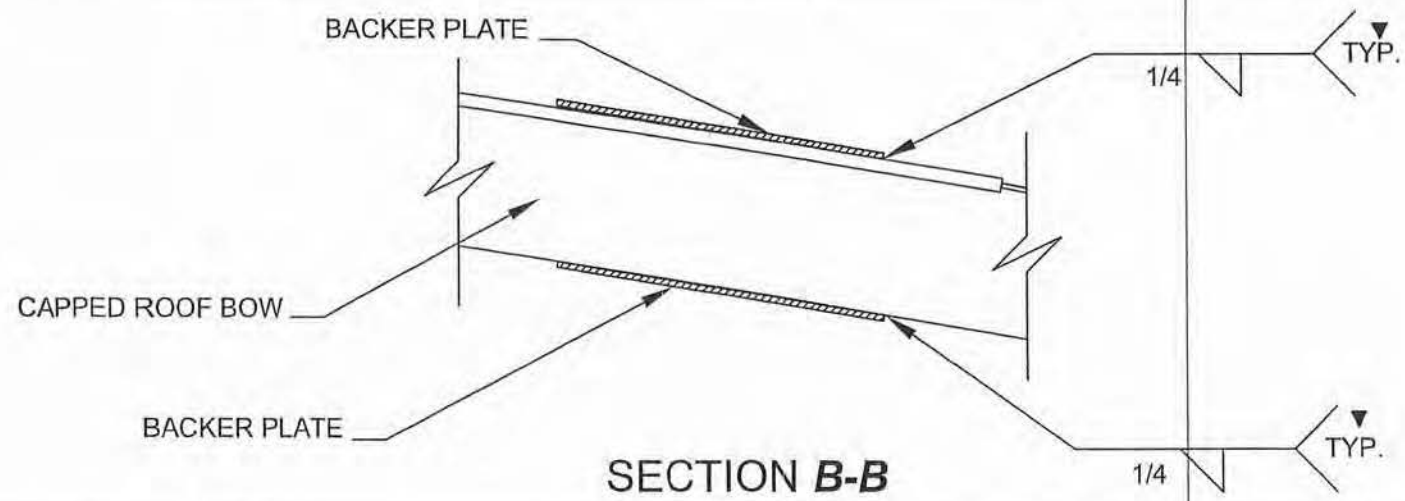
▼ CRITICAL CONTROL ITEM



SECTION A-A



SECTION C-C



SECTION B-B

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REV. LET.	DESCRIPTION OF CHANGE	BY	CHK	DATE	ECN No.

STARCRRAFT AUTOMOTIVE INC.
BUS & MOBILITY DIVISION

TOLERANCE UNLESS OTHERWISE SPECIFIED	DATE: 01/11/02	TITLE
± .00 ± .030	DFTSN: LDH	FRAME, ROOFFORD & CHEVY
± .000 ± .015	CHKR:	199" BODY
± .000 ± .005	APRVD:	SCALE
		DWG. No. 80224
		DISK No.
		SHEET 02 2