

**DEPARTMENT OF TRANSPORTATION  
HAWAII STATE TRANSPORTATION PLAN**

*Mission: To facilitate the safe, economic, efficient, and convenient movement of people and goods.*

HSTP CODE	DESCRIPTION OF GOALS	HSTP CODE	DESCRIPTION OF OBJECTIVES
MOBILITY AND ACCESSIBILITY			
G1	Goal 1: Achieve an integrated multi-modal transportation system that provides mobility and accessibility for people and goods.	G101	Objective 1: To preserve, maintain, and improve the transportation system infrastructure and facilities. A. Improve connectivity of the transportation system. B. Increase capacity. C. Pursue the maintenance and rehabilitation of the transportation system. D. Ensure provision of essential operations and facilities.
		G102	Objective 2: To increase the efficiency of the transportation system operations. A. Enhance intermodal connectivity. B. Employ strategies to reduce transportation demand. C. Enhance performance of the transportation system.
		G104	Objective 4: To reduce congestion and delay. A. Increase capacity. B. Employ strategies to reduce transportation demand.
SAFETY AND SECURITY			
G2	Goal 2: Ensure the safety and security of transportation systems.	G201	Objective 1: To enhance the safety of the transportation system. A. Promote safe facilities and infrastructure. B. Promote the safe use of the transportation systems.
		G202	Objective 2: To ensure the secure operation and use of the transportation system. A. Employ various safety and security measures as required. B. Utilize law enforcement at problem locations.
ENVIRONMENT AND QUALITY OF LIFE			
G3	Goal 3: Protect and enhance the environment and improve the quality of life.	G301	Objective 1: To provide a transportation system, that is environmentally compatible and sensitive to cultural and natural resources. A. Provide facilities and infrastructure that are environmentally friendly. B. Manage and operate the transportation system in an environmentally responsible manner. C. Support environmentally responsible programs and activities.
		G302	Objective 2: To ensure that the transportation system supports comprehensive land use policies and livability in urban and rural areas. A. Provide a transporation system that supports and enhances quality of life. B. Encourage the use of non-motorized transportation modes. C. Minimize disruption of existing neighborhoods due to transportation.
ECONOMIC DEVELOPMENT			
G4	Goal 4: Support Hawaii's economic vitality.	G401	Objective 1: To provide and operate a transportation system to accommodate existing and emerging economic developments and opportunities. A. Provide a direct, convenient, and physically suitable system for goods movement to transportation facilites and commercial and industrial areas. B. To promote efficient and cost effective operations of the transportation system.
		G402	Objective 2: To provide a transportation system that balances the need for economic development with quality of life issues. A. Make transportation investments that reflect each islands scale and foster the quality of life of the people who live there. B. Target transportation investments in coordination with community involvement.
INTEGRATED STATEWIDE PLANNING, PROGRAMMING, AND DECISION-MAKING			
G5	Goal 5: Achieve a Statewide Planning Process that is comprehensive, cooperative, and continuing.	G501	Objective 1: To improve coordination and cooperation between all levels of government, the private sector, and the general public. A. Supports and conducts the Statewide Transportation Planning Process. B. Improve communication between all levels of government, the private sector, and the general public. C. Integrate approved policies, programs, and plans from all levels of government.
		G502	Objective 2: To involve the public and stakeholders to the fullest practicable extent in the planning and implementation of the transportation system. A. Develop programs to ensure opportunity for public and stakeholders' involvement. B. Ensure responsiveness to public concerns.
		G503	Objective 3: To develop and maintain a transportation financial structure that provides adequate and dependable resources. A. Optimize all possible financial resources. B. Develop an ongoing comprehensive financial program.

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SYSTEM PRESERVATION PROJECTS		Project Description	Bridge Replacement Program (State)	Bridge Inspection & Appraisal (City)	Pavement Management System (State)	Roadway Pavement Condition Survey (City)	Cost Participation	Project Stage	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses MAP-21 Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency	HSTP Goals and Objectives Code	2015-2018 STIP Revision #10 (TIP Revision #16) (6/13/17)
OAHU : STATE - FHWA																		
OS1.	Bridge and Pavement Improvement Program, Oahu	System maintenance of highway bridges and pavements. Work may include bridge and/or pavement reconstruction, resurfacing, restoration, rehabilitation and/or preservation. The specific projects listed represent backup items or potential projects to be federally funded in the event federal monies become available.	H	N/A	H	N/A	L	H	N	N	Y	N/A	Y	Y	Y	Proj. 505	G101-3, G301-2, G401	Add two (2) committed SMP projects in FFY 2017--Mokapu Saddle Road (RTE 65) Resurfacing, Nanamoana Street to Oneawa Street (\$10M total) and Kalihi Street (RTE 63) Resurfacing, Nimitz Highway to School Street (\$9M total, with ADVCON in FFY 2018). (A.3.)
OS4.	Farrington Highway (Route 93), Bridge Replacement, Makaha Bridges #3 & #3A	Replace a timber bridge in the vicinity of Makaha Beach Park.	H	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 506	G101-2, G201-2, G301-2, G401	Defer and inflate ROW from \$1.122M in FFY 2016 to \$1.17M in FFY 2018 since NEPA clearance has been delayed and is needed to obligate ROW funds. (A.2.)
OS12.	Interstate Route H-1, and Interstate Route H-2, and H-201 Destination Sign Upgrade/Replacement	Replace and/or upgrade the existing destination signs and sign support structures on Interstate Routes H-1, H-2 and H-201.	L	N/A	L	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 506	G101-2, G201-2	Defer Phase II CON from \$7M in FFY 2016 to \$7.14M in FFY 2017 and Phase II ADVCON from \$5M in FFY 2017 to \$3M in FFY 2018 since this project did not meet Notice to Proceed deadlines and needs to be reobligated in FFY 2017. (A.2.)
OS67.	Interstate Route H-1 , Reconstruction and Repair, Eastbound Waimalu Interchange to Halawa	Rehabilitate or Reconstruct Portland Concrete pavement. Widen to improve shoulders and travelway.	L	N/A	H	N/A	L	L	N	N	N	N/A	Y	Y	Y	Proj. 506	G101-2, G104, G201	Redistribute ADVCON conversions to financially constrain the STIP -- reduce PE2/CON federal amount in FFY 2017 from \$17M to \$7.5M; reduce ADVCON federal amount in FFY 2018 from \$22M to \$14.5M; and increase ADVCON federal amount in FFY 2019 from \$17M to \$34M. (A.9.)

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OS31.	Kamehameha Highway, Bridge Replacement, Laieloa Stream Bridge	Replace the existing concrete slab bridge on Kamehameha Highway in the vicinity of Laie.	H	N/A	L	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 506	G101-2, G201-2, G301-2, G401	Defer and inflate ROW from \$200K in FFY 2016 to \$208K in FFY 2018, CON from \$9.36M in FFY 2017 to \$9.74M in FFY 2019, ADVCON from \$488K in FFY 2018 to \$7M in FFY 2020, and ADVCON from \$7M in FFY 2019 to the out years of the STIP. The Section 106 Memorandum of Agreement will take 12-14 months to complete and is needed for NEPA clearance. ROW cannot be obligated without NEPA clearance. (A.7.)
OS32.	Kamehameha Highway (Route 83), Bridge Replacement, South Kahana Stream Bridge	Replace the existing bridge.	H	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 506	G101-2, G201-2, G301-2, G401	Defer and inflate ROW from \$1.02M in FFY 2017 to \$1.04M in FFY 2018, CON from \$26.52M in FFY 2018 to \$27.05M in FFY 2019, ADVCON from \$11.216M in FFY 2019 to \$10M in FFY 2020, and ADVCON from \$10M in FFY 2020 to the out years of the STIP. The Section 106 Memorandum of Agreement is expected to be complete Nov 2017 and is needed for NEPA clearance. ROW cannot be obligated without NEPA clearance. (A.7.)

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OS36.	Kamehameha Highway (Route 83), Bridge Replacement, Waipilopilo Stream Bridge	Replace the existing concrete T-bridge on Kamehameha Highway in the vicinity of Hauula.	H	N/A	L	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 506	G101-2, G201-2, G301-2, G401	Defer and inflate all phases 1 year since NEPA clearance, including Section 7, Section 107, and Section 4(f) are still needed. Anticipated completion is FFY 2018. Defer and inflate ROW from \$1M in FFY 2017 to \$1.02M in FFY 2018; CON from \$9.26M in FFY 2018 to \$9.445M in FFY 2019; and ADVCON from \$7.408M in FFY 2019 to \$7M in FFY 2020. (A.7.)
OS65.	Kamehameha Highway (RTE 83) Shoreline Mitigation, Vicinity of Kaaawa, Hauula, Punaluu and Kualoa	Repair identified locations along the coastal highway that have a very high probability of further erosion in the immediate future.	L	N/A	L	N/A	L	L	N	N	N	N/A	Y	Y	Y	Proj. 502	G101-2, G201-2, G301	Defer and inflate PE2/CON from \$\$10M in FFY 2017 to \$10.4M in FFY 2019, ADVCON from \$1M in FFY 2018 to \$5M in FFY 2020, and ADVCON from \$4M in FFY 2019 to the STIP out years. NEPA clearance is expected to take 2 more years to be completed. (A.7.)
OS62.	Pali Highway (Route 61) Resurfacing & Lighting Improvements, Vineyard Blvd (Route 98) Kamehameha Highway (Route 83)  Ph 1 - Lighting entire length. Resurf. Waokanaka St to Kamehameha Hwy	Scope of work includes but is not limited to cold planing, resurfacing, reconstruction of weakened pavement, installation of new highway lighting, construction of concrete median barriers, replacement of guardrails in-kind and end treatments, installation of new guardrails, installing bridge rails, and installation of signs and pavement markings.	L	N/A	H	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 506	G101-3, G301-2, G401	Increase CON cost due to added scope from \$57.7M to \$69M in FFY 2017. Redistribute ADVCON from \$19.4M to \$10.2M in FFY 2018 and \$18M to \$21M in FFY 2019 to maintain STIP financial constraint. (A.11.)

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	CITY & COUNTY OF HONOLULU - FHWA																	
OC3.	Bridge Inspection and Appraisal	Inventory, inspect, and appraise City bridges, including underwater inspection, surveys, scour survey/evaluation, and preparation of plans for bridge repairs.	N/A	H	N/A	L	L	L	N	Y	N	N/A	Y	Y	Y	Proj. 504	G101-2, G201-2	Request to localize project funding (A.9).

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SAFETY PROJECTS		Project Description	Strategic Highway Safety Plan	Highway Safety Improvement Program	Rockfall Protection Study (State)	Cost Participation	Project Stage	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses MAP-21 Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency	HSTP Goals and Objectives Code	2015-2018 STIP Revision #10 (TIP Revision #16) (6/13/17)
OAHU : STATE - FHWA																	
OS10.	Guardrail and Shoulder Improvements, Various Locations	Install and upgrade guardrails to bridge end post connections, bridge railing, guardrail end terminals, crash attenuators, miscellaneous drainage, and other appurtenant improvements.	H	H	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj.401	G101-2, G201-2, G301-2, G401	<p>Phase 2 -- Defer, inflate and defederalize PE1 from \$170K in FFY 2017 to \$177K in FFY 2019; Defer, inflate and defederalize PE2 from \$90K in FFY 2018 to \$94K in FFY 2020; Defer \$3.121M of CON in FFY 2018 to the out years of the STIP. Outdated scope is being updated. (A.7.)</p> <p>Phase 3 -- Defer and inflate PE1 from \$160K in FFY 2018 to \$170K in FFY 2020; Defer \$90K of PE2 in FFY 2019 and \$3M of CON in FFY 2020 to the out years of the STIP. Phase 3 schedule is deferred to match Phase 2 development schedule. (A.2.)</p>
OS61.	Kamehameha Highway (Route 83) Realignment, Vicinity of Kawaioloa Beach	Realign a portion of Kamehameha Highway, on the North Shore. The project proposes to construct a realignment of Kamehameha Highway, from Haleiwa to the vicinity of Waimea Bay to address safety issues that revolve around use of the beach.	L	H	N/A	L	L	N	N	N	N/A	Y	Y	Y	Proj.552	G101-3, G201-2, G301-2, G401	Defer PE2 from \$2.84M in FFY 2017 to \$2.9M in FFY 2018 and defer ADVCON reimbursement from \$2.272M in FFY 2018 to \$2.32M in FFY 2019. Defer ROW from \$1M in FFY 2017 to \$1.06M in FFY 2020 and defer ADVCON reimbursement from \$800K in FFY 2017 to the out years of the STIP. NEPA clearance is anticipated in FFY 2018. (A.7.)
OS51.	Kamehameha Highway, Safety Improvements, Vicinity of Kahekili Highway to Waikane Valley Road	Installation of milled rumble strips on centerline and shoulders, check superelevation along entire segment, pavement markings, striping and signing.	H	H	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj.202	G101-3, G201-2, G301-2, G401	Defer and inflate CON from \$1.665M in FFY 2017 to \$1.7M in FFY 2018 since NEPA clearance is still pending and anticipated to be complete Aug 2017. (A.2.)

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OS44.	Moanalua Freeway (Route 78) and Interstate Route H-2, Guardrail and Shoulder Improvements	Install and/or upgrade the existing guardrails. Reconstruct and pave road shoulders.	H	L	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj.401	G101-2, G201-2, G301-2, G401	Reduce CON cost estimate from \$6.242M to \$4.4M in FFY 2017 due to lack of state match for cost increases. Also redistribute ADVCON from \$2M to \$3.52M in FFY 2018 and delete \$2M in FFY 2019. (A.11.)
OS52.	Sand Island Access Road (Route 64), Truck Weigh Station, Kapalama Container Terminal	The description of work would be to design, construct and operate a truck weigh station to perform truck inspections and driver credential checks at the egress of the container terminal on Sand Island Access Road. The work includes auxiliary lanes to accommodate truck vehicles, traffic controls, truck weighing infrastructure and computer hardware/ software, operator kiosk/ office.	L	L	L	L	L	N	N	N	N/A	Y	Y	Y	Proj.506	G101-2, G301, G501	Defer and inflate ROW from \$3M in FFY 2017 to \$3.06M in FFY 2018 since the Categorical Exclusion (CatEx) is expected to be complete after FFY 2017 and ROW cannot be acquired without the CatEx. (A.2.)
CITY & COUNTY OF HONOLULU - FHWA																	
OC1	Alapaii Transportation Management Center	The transportation management center will be a joint communication center to be built next to the Alapai Transit Center. The center will facilitate active traffic management through co-location and information sharing by City and State traffic management operations and the City's emergency response agencies.	N/A	N/A	N/A	L	H	N/A	N	Y	Y	Y	Y	Y	Proj.851	G101-3, G201-2, G301-2, G401	Request to defer OPR funds (A.2).
OC8.	Traffic Improvements at Various Locations	Provide traffic congestion relief and improve traffic safety at various locations, including but not limited to Palolo, Village Park, and Kupuna Loop areas; Kalaheo Avenue/Kailua Road; Dillingham Boulevard; and Waiakamilo Road. Other locations are to be determined.	L	L	N/A	L	L	Y	N	N	N/A	Y	Y	Y	Proj.504	G101-3, G201-2, G301, G401	Request to increase costs for Village Park/Kupuna Loop CON and reduce costs for Village Park/Kupuna Loop INSP phases (A.11).

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CONGESTION MITIGATION PROJECTS		Project Description	Congestion Management Process	Highway Safety Improvement Program	Travel Time or Delay Analysis	Project Location	Cost Participation	Project Stage	Traffic Signal Warrants	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses MAP-21 Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency	HSTP Goals and Objectives Code	2015-2018 STIP Revision #10 (TIP Revision #16) (6/13/17)
OAHU : STATE - FHWA																			
OS5.	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78), Phase 3	The project consists of installation of closed-circuit television (CCTV) cameras, vehicle detectors, cabinets, and communication equipment. Minor interior modifications of the H-3 Control Center will be done to accommodate system improvements. This project will be implemented in phases.	N/A	L	N/A	H	L	L	N/A	N	N	N	Y	Y	Y	Y	Proj.2	G101-2, G104, G201-2, G301-2, G401	Defer and inflate PE1 from \$1.35M in FFY 2017 to \$1.38M in FFY 2018 due to delays in the procurement process. (A.2.)
OS57.	Freeway Management System, Joint Traffic Managment Center Operations (State)	These funds will be required for the State share of the annual operating expenses for the JTMC which includes normal building operations and a JTMC Manager. The State share has been calculated based on methodology that involves the estimated square footage that the State will occupy.	N/A	L	N/A	N/A	L	M	N/A	N	N	N	Y	Y	Y	Y	Proj. 851	G101-2, G104, G201-2, G301-2, G401	Delete \$350K of operational funds in FFY 2017 since JTMC remains unoccupied by the State. (A.7.)
OS58.	Interstate Route H-1, Corridor Study, Short Term Improvements	Develop top Short Term Capacity/Congestion improvements identified in the Final H-1 Corridor Improvement Study	L	L	N/A	TBD	L	L	N/A	N	N	TBD	TBD	Y	Y	Y	Proj.5	G101-2, G104, G201, G302, G401	Defer and inflate PE1 from \$2M in FFY 2017 to \$2.04M in FFY 2018 and ADVCON from \$1.6M in FFY 2018 to \$1.632M in FFY 2019 since system preservation and operational improvements are the primary focus to address congestion. (A.7.)



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CITY & COUNTY OF HONOLULU - FHWA																			
OC10.	Traffic Signals at Various Locations	Install, modify, and upgrade traffic signals islandwide, including Americans with Disabilities Act (ADA) improvements, signs and markings, and interties. The project provides for the safe and orderly movements of pedestrians and vehicles at high-risk intersections. The project upgrades existing intersections, adds left-turn phases, increases signal visibility, improves signal coordination, and provides for ADA improvements. Project work is warranted by the Manual on Uniform Traffic Control Devices (MUTCD) and selected annually by a priority listing.	H	L	N	M	L	L	Y	N/A	Y	N	Y	Y	Y	Y	Proj. 504	G101-4, G201-2, G301-2, G401	Request to increase Phase 17 costs (A.11); request to defer PE2 for Phase 19 (A.2); request to modify phase descriptions (A.5).

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MODERNIZATION PROJECTS		Project Description	Congestion Management Process	Highway Safety Improvement Program	Travel Time or Delay Analysis	Project Location	Cost Participation	Project Stage	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses MAP-21 Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency	HSTP Goals and Objectives Code	2015-2018 STIP Revision #10 (TIP Revision #16) (6/13/17)
	CITY & COUNTY OF HONOLULU - FHWA																	
OC7.	Makakilo Drive (Route 8810) Extension	Construct an extension of Makakilo Drive from the Palehua Subdivision to the H-1 Freeway.	N/A	N/A	H	M	L	M	Y	N	N	N/A	Y	Y	Y	Proj. 210	G101-4, G201-2, G302, G401, G502	Request to defer informational CON funds (A.6).
OC23.	Salt Lake Boulevard (Route 7311), Widening, Phase 3	To widen the Salt Lake Boulevard to a multi-lane roadway within the existing 100' right-of-way between Maluna and Ala Liliko'i Streets.	H	L	M	M	M	L	Y	N	Y	Y	Y	N	Y	Proj. 209	G101-2, G104, G201-2, G302, G401, G502	Request to decrease costs for the purposes of financial constraint (A.11).

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ENHANCEMENT PROJECTS		Project Description	Enhancement Program	Non-Enhancement Funding	Cost Participation	Project Stage	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses MAP-21 Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency	HSTP Goals and Objectives Code	2015-2018 STIP Revision #10 (TIP Revision #16) (6/13/17)
OAHU : STATE - FHWA																
OS43.	Leeward Bikeway, Phase I, Waipio Point Access Road to Hawaii Railway Society Train Station	Improve the bikeway/bike path from Waipio Point Access Road to Lualualei Naval Road.	Y	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 1	G101-4, G201-2, G301-2, G401	Defer and inflate all phases 1 year and redistribute some ADVCON since the Area of Potential Effect (APE) has been expanded which extended the Section 106 process 1 year. For Phase I, CON deferred and inflated from \$9.18M in FFY 2017 to \$9.36M in FFY 2018 and ADVCON redistributed from \$3.5M in FFY 2018 to \$7.488M in FFY 2019. (A.7.)
OS43.	Leeward Bikeway, Phase II, Hawaii Railroad Society Train Station to Lualualei Naval Road	Improve the bikeway/bike path from <del>the Hawaii Railway Society Train Station</del> Waipio Point Access Road to Lualualei Naval Road.	Y	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 1	G101-4, G201-2, G301-2, G401	Defer and inflate all phases 1 year and redistribute some ADVCON since the Area of Potential Effect (APE) has been expanded which extended the Section 106 process 1 year. For Phase II, PREROW deferred and inflated from \$108K in FFY 2017 to \$110K in FFY 2018, ROW deferred and inflated from \$3.06M in FFY 2019 to \$3.12M in FFY 2020, and CON deferred from \$3.9M to the out years of the STIP. (A.7.)
CITY & COUNTY OF HONOLULU - FHWA																
OC2.	Bikeway Improvement Projects	This is an ongoing islandwide program for the implementation of the Oahu Bicycle Master Plan improvements, the development of new projects, and the upgrade of existing bicycle facilities. Projects include the Hamakua Drive Bikeway Improvements and the Pearl Harbor Bike Path Restoration.	N	Y	L	L	Y	N	N	N/A	Y	Y	Y	Proj.1	G101-4, G201-2, G301-2, G401, G501	Request to revise programmed amounts within project phases (A.11).

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SYSTEM PRESERVATION PROJECTS		Project Description	Bridge Assessment and Replacement Programs Yes: Project identified through DOT's Bridge Replacement Program, Honolulu's Bridge Inspection & Appraisal process or other bridge programming system No: Project did not result from DOT's Bridge Replacement Program, Honolulu's Bridge Inspection & Appraisal process or other bridge programming system	Pavement Management Programs Yes: Project identified through DOT's Pavement Management System, Honolulu's Roadway Pavement Condition Survey or other pavement evaluation system No: Project did not result from DOT's Pavement Management System, Honolulu's Roadway Pavement Condition Survey or other pavement evaluation system	Cost Participation High: Private industry funding has been secured Med: Private industry funding is anticipated Low: Does not include other financial involvement (i.e. private industry)	Project Stage High: Planning or Design has already been completed Med: Planning or Design is almost complete Low: The project has not yet begun	Gap Closure? Does this project close a gap or connect missing links in a route?	Mandated? Required by federal, state, or municipal laws, regulations or codes?	Addresses at least one MAP-21 Planning Factor?	Listed in Regional Transportation Plans	HSTP Goals and Objectives Code	2015-2018 STIP Revision #10 (6/13/17)
	COUNTY OF HAWAII - FHWA											
HC1.	Alii Drive (Route 186) Culvert Replacement	Replace existing culvert with a new concrete bridge.	Y	N	L	L	N	N	Y	N	G101-2, G201-2, G301-2, G401	Add \$3M of ADVCON in FFY 2019 to redistribute funds to maintain financial constraint. Change federal portion for FFY 2018 CON from \$9.856M to \$6.856M.
HC10.	Hakalau Stream Bridge Replacement (Route 222)	Repair or reconstruct and restore the structural integrity and safety of the Hakalau Stream Bridge.	Y	N	L	M	N	N	Y	N	G101-2, G201-2, G301-2, G401	Change PE1 in FFY 2017 (\$150K total) from federally-funded to locally-funded. Advance and defederalize \$250K of PE2 in FFY 2018 to FFY 2017. Advance \$3M of CON in FFY 2020 to FFY 2017 for emergency project development.
HC11.	Kaahakini Stream Bridge Rehabilitation	Repair or reconstruct and restore the structural integrity and safety of the Kaahakini Stream Bridge.	Y	N	L	M	N	N	Y	N	G101-2, G201-2, G301-2, G401	Change PE1 in FFY 2017 (\$200K) from federally-funded to locally-funded. Change PE2 in FFY 2018 (\$300K) from federally-funded to locally-funded since local funds will be used for PE.

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SAFETY PROJECTS		Project Description	Highway Safety Improvement Program Yes: Project identified through DOT's Highway Safety Improvement Program or County Safety Improvement Program No: Project did not result from DOT's Highway Safety Improvement Program or County Safety Improvement Program  Rockfall Protection Study Yes: Project identified through DOT's Rockfall Protection Study No: Project did not result from DOT's Rockfall Protection Study  Cost Participation High: Private industry funding has been secured Med: Private industry funding is anticipated Low: Does not include other financial involvement (i.e. private industry)  Project Stage High: Planning or Design has already been completed Med: Planning or Design is almost complete Low: The project has not yet begun  Gap Closure? Does this project close a gap or connect missing links in a route?  Mandated? Required by federal, state, or municipal laws, regulations or codes?  Addresses at least one MAP-21 Planning Factor?  Listed in Regional Transportation Plans  HSTP Goals and Objectives Code  2015-2018 STIP Revision #10 (6/13/17)									
	HAWAII : STATE - FHWA											
HS17.	Kohala Mountain Road (Route 250) Safety Improvements, MP 7.2 to MP 9.2	Scope includes, but is not limited to: Installation of milled rumble strips on centerline and shoulders; high friction surface treatment; curve ahead signs and beacons and chevrons for motorcycle safety; superelevation assessment (to determine treatment) along entire segment; pavement markings; and signing.	Y	N	L	L	N	N	Y	N	G101-3, G201-2, G301, G401	Increase CON in FFY 2017 from \$360K to \$4M since the scope has increased from standardizing curves with accident histories to all curves within the limits.

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MODERNIZATION PROJECTS		Project Description	Congestion Management System Yes: Project identified through a Congestion Management System process No: Project did not result from a Congestion Management System process	Highway Safety Improvement Program Yes: Project identified through DOT's Highway Safety Improvement Program or County Safety Improvement Program No: Project did not result from DOT's Highway Safety Improvement Program or County Safety Improvement Program	Cost Participation High: Private industry funding has been secured Med: Private industry funding is anticipated Low: Does not include other financial involvement (i.e. private industry)	Project Stage High: Planning or Design has already been completed Med: Planning or Design is almost complete Low: The project has not yet begun	Traffic Signal Warrants Traffic signal project meets the criteria in the Traffic Signal Warrants	Gap Closure? Does this project close a gap or connect missing links in a route?	Mandated? Required by federal, state, or municipal laws, regulations or codes?	Addresses at least one MAP-21 Planning Factor?	Listed in Regional Transportation Plans	HSTP Goals and Objectives Code	2015-2018 STIP Revision #10 (6/13/17)
Projects that add capacity to the highway system, such as: - new highway projects - widening projects (additional capacity) - second access projects - ITS projects													
	HAWAII : STATE - FHWA												
HS14.	Keaau-Pahoa Road (Route 130) Improvements, Keaau to Pahoa, Phase 1 - Keaau Bypass to Pahoa-Kapoho Road	Improve traffic capacity, circulation and safety along Route 130.	Y	N	L	L	N	N	N	Y	Y	G101-4, G201-2, G301-2, G401, G502	Defer and inflate ROW from \$1.938M in FFY 2017 to \$2.02M in FFY 2019. Defer \$28.56M of CON in FFY 2018, \$7M of ADVCON in FFY 2019 and \$15.848M of ADVCON in FFY 2020 to the out years of the STIP. The notice to proceed for the design contract is expected Aug 2017.
	COUNTY OF HAWAII - FHWA												
HC6.	Mamalahoa Highway (Route 19) Widening (Mudlane to Mana Road)	To widen and provide left-turn pockets for thirteen (13) intersections along the Mamalahoa Highway; and related roadway improvements, including approach/taper lane widening and adjustments.	Y	N	L	L	N	N	N	Y	N	G101-4, G201-2, G301-2, G401, G502	Add \$3M of ADVCON in FFY 2018 to redistribute funds to maintain financial constraint. Change federal portion for FFY 2017 CON from \$8.864M to \$5.864M.

SYSTEM PRESERVATION PROJECTS		Project Description	Bridge Assessment and Replacement Programs Yes: Project identified through DOT's Bridge Replacement Program, Honolulu's Bridge Inspection & Appraisal process or other bridge programming system No: Project did not result from DOT's Bridge Replacement Program, Honolulu's Bridge Inspection & Appraisal process or other bridge programming system	Pavement Management Programs Yes: Project identified through DOT's Pavement Management System, Honolulu's Roadway Pavement Condition Survey or other pavement evaluation system No: Project did not result from DOT's Pavement Management System, Honolulu's Roadway Pavement Condition Survey or other pavement evaluation system	Cost Participation High: Private industry funding has been secured Med: Private industry funding is anticipated Low: Does not include other financial involvement (i.e. private industry)	Project Stage High: Planning or Design has already been completed Med: Planning or Design is almost complete Low: The project has not yet begun	Gap Closure? Does this project close a gap or connect missing links in a route?	Mandated? Required by federal, state, or municipal laws, regulations or codes?	Addresses at least one MAP-21 Planning Factor?	Listed in Regional Transportation Plans	HSTP Goals and Objectives Code	2015-2018 STIP Revision #10 (6/13/17)
	MAUI : STATE - FHWA											
MS18.	Hana Highway Bridge Preservation Program, Phase 1	Improve Hana Highway Bridges. Improvements could include widening of lanes and shoulders, replace railings, strengthening of the superstructure to support current design loads, all abutments will be upgraded, all approach guardrail and CRM walls will be upgraded. Phase 1 will include work on 6 bridges. 1. Puohokamoa, 2. Kopiliula, 3. Mokulehua, 4. Ulaino, 5. Kailua, 6. Makanali	Y	N	L	L	N	N	Y	N	G101-2, G201-2, G301-2, G401	Project will be turned over to Central Federal Lands for development. Defer and inflate PE1 from \$1.075M in FFY 2017 to \$1.1M in FFY 2018 due to a delay as the project is in transition.
	COUNTY OF MAUI - FHWA											
MC3.	Bridge Inspection and Appraisal	Inspection of county-maintained bridges as required by FHWA.	Y	N	L	M	N	Y	Y	N	G101-2, G201-2	Reduce PLN estimate in FFY 2017 from \$400K to \$100K since work will be in house and a consultant will not be needed.
MC14.	Kokomo Road (Route 366, MP 3.9-MP 3.1) Pavement Reconstruction Haiku Road (Route 366) to MP 3.1 and Makawao Avenue (Route 365, MP 3.2-MP 2.4) Pavement Reconstruction, Piihola Road to Kokomo Road (Route 366)	Proposed scope of work consists of pavement reconstruction, installing 4 feet wide paved shoulders, reconstructing existing curb ramps and sidewalks to be ADA compliant, installing 5 foot wide sidewalks to provide a continuous accessible route, utility adjustments, replacing existing signs, pavement markings and striping.	N	Y	L	M	N	N	Y	N	G101-2, G201-2, G301, G401	Increase CON estimate in FFY 2017 from \$9.2M to \$9.5M to reflect current estimate.

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MODERNIZATION PROJECTS		Project Description	Congestion Management System Yes: Project identified through a Congestion Management System process No: Project did not result from a Congestion Management System process	Highway Safety Improvement Program Yes: Project identified through DOT's Highway Safety Improvement Program or County Safety Improvement Program No: Project did not result from DOT's Highway Safety Improvement Program or County Safety Improvement Program	Cost Participation High: Private industry funding has been secured Med: Private industry funding is anticipated Low: Does not include other financial involvement (i.e. private industry)	Project Stage High: Planning or Design has already been completed Med: Planning or Design is almost complete Low: The project has not yet begun	Traffic Signal Warrants Traffic signal project meets the criteria in the Traffic Signal Warrants	Gap Closure? Does this project close a gap or connect missing links in a route?	Mandated? Required by federal, state, or municipal laws, regulations or codes?	Addresses at least one MAP-21 Planning Factor?	Listed in Regional Transportation Plans	HSTP Goals and Objectives Code	2015-2018 STIP Revision #10 (6/13/17)
	MAUL: STATE - FHWA												
MS4.	Hana Highway (Route 36) Widening, Kaahumanu Avenue (Route 32) to Vicinity of Airport Access Road	Widen Hana Highway.	Y	N	L	M	N	N	N	Y	Y	G101-4, G201-2, G301-2, G401, G502	Delete \$120K of ROW in FFY 2017 since it is not needed because the construction parcel is already owned.



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SYSTEM PRESERVATION		Project Description	Bridge Assessment and Replacement Programs  Yes: Project identified through DOT's Bridge Replacement Program, Honolulu's Bridge Inspection & Appraisal process or other bridge programming system  No: Project did not result from DOT's Bridge Replacement Program, Honolulu's Bridge Inspection & Appraisal process or other bridge programming system	Pavement Management Programs  Yes: Project identified through DOT's Pavement Management System, Honolulu's Roadway Pavement Condition Survey or other pavement evaluation system  No: Project did not result from DOT's Pavement Management System, Honolulu's Roadway Pavement Condition Survey or other pavement evaluation system	Cost Participation  High: Private industry funding has been secured Med: Private industry funding is anticipated Low: Does not include other financial involvement (i.e. private industry)	Project Stage  High: Planning or Design has already been completed Med: Planning or Design is almost complete Low: The project has not yet begun	Gap Closure?  Does this project close a gap or connect missing links in a route?	Mandated?  Required by federal, state, or municipal laws, regulations or codes?	Addresses at least one MAP-21 Planning Factor?	Listed in Regional Transportation Plans	HSTP Goals and Objectives Code	2015-2018 STIP Revision #10 (6/13/17)
	KAUAI : STATE - FHWA											
KS5.	Kaumualii Highway (Route 50), Bridge Rehabilitation, Hanapepe Bridge  Phase 1 - Detour Road Phase 2 - Bridge Work	Repair existing bridge substructure, including the initiation of scour prevention measures to improve bridge footings.	Y	N	L	L	N	N	Y	N	G101-2, G201-2, G301-2, G401	Increase and federalize Phase 2 CON estimate in FFY 2017 from \$20.5M to \$27.2M to reflect current estimate.
KS8.	Kuhio Highway (Route 56), Bridge Replacement, Kapaia Bridge	Replacement of a multi-T beam reinforced concrete girder on Kuhio Hwy in the vicinity of Kapaia.	Y	N	L	M	N	N	Y	N	G101-2, G201-2, G301-2, G401	Defer and inflate ROW from \$825K in FFY 2017 to \$840K in FFY 2018 since the Categorical Exclusion is not scheduled to be approved until late FFY 2017. Thus ROW activities are scheduled to go in FFY 2018.
KS9.	Kuhio Highway (Route 560), Bridge Rehabilitation, Waioli, Waipa, and Waikoko Stream Bridges  Phase 1 - Detour Road Phase 2 - Bridge Work	Rehabilitate existing bridges.	Y	N	L	L	N	N	Y	N	G101-2, G201-2, G301-2, G401	This project will be turned over to Central Federal Lands (CFL). Add \$900K of PE funds in FFY 2018 for CFL to complete environmental clearance. Defer and inflate ROW from \$620K in FFY 2018 to \$630K in FFY 2019 due to a delay as the project is in transition.
	COUNTY OF KAUAI - FHWA											
KC8.	Puhi Road (Route 5010) Rehabilitation, Phase 2 - Kaneka St to S. Haleukana St (MP 0.35 to MP 0.80)	Rehabilitate Puhi Road. Phase 1 was from Kaumualii Hwy (MP 0) to Kaneka St. Phase 2 will rehabilitate Puhi Road from Kaneka St to South Haleukana St intersection (MP 0.35 to MP 0.80), pavement widening, incorporating Complete Streets principles, and replacing pavement markers, striping, and traffic signs.	N	Y	L	L	N	N	Y	N	G101-2, G201-2, G301, G401	Defer and inflate Phase 2 CON from \$3.5M in FFY 2017 to \$3.57M in FFY 2018 since the Section 106 clearance did not meet the May 31st PS&E deadline.

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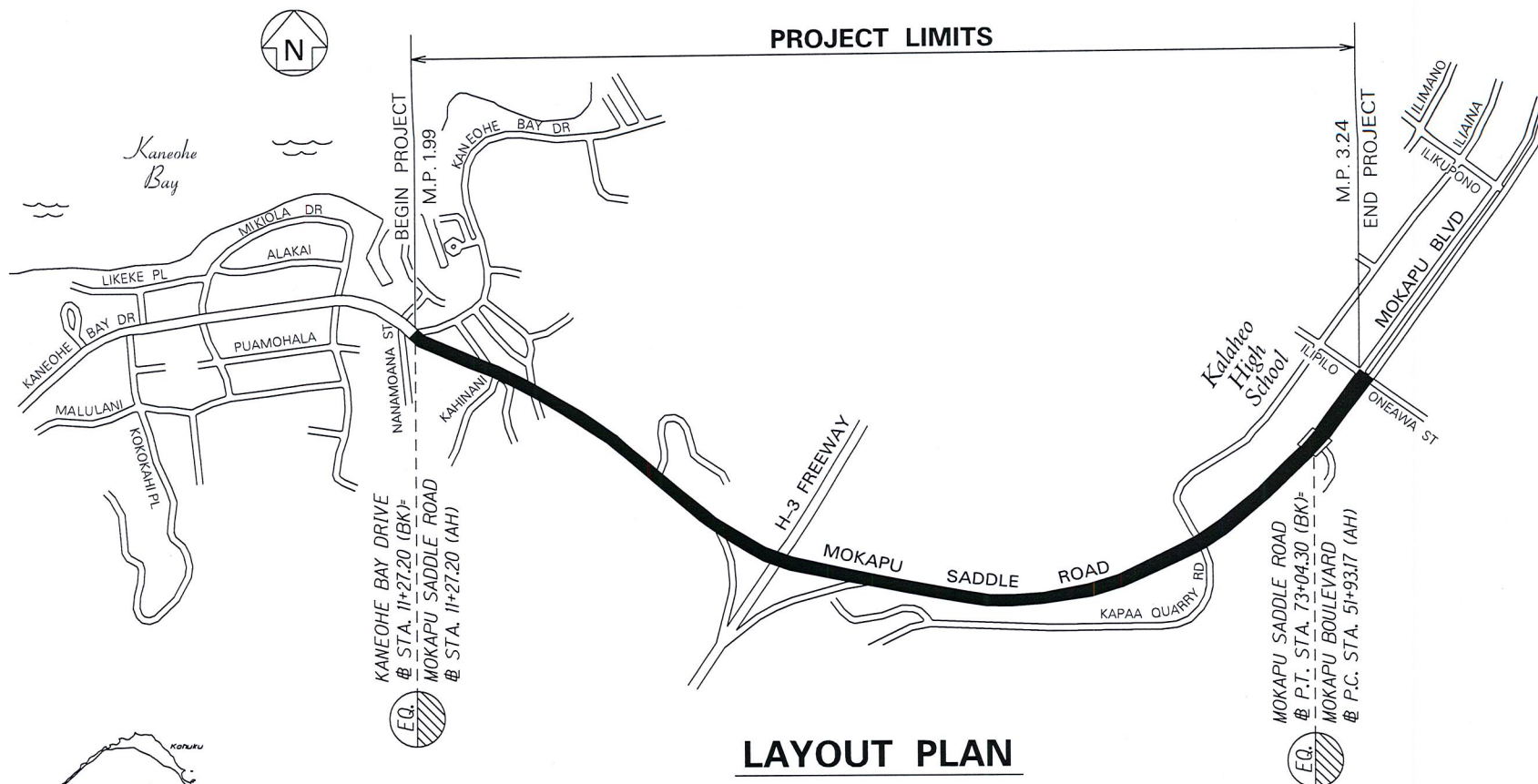
SAFETY PROJECTS		Project Description	Highway Safety Improvement Program Yes: Project identified through DOT's Highway Safety Improvement Program or County Safety Improvement Program No: Project did not result from DOT's Highway Safety Improvement Program or County Safety Improvement Program	Rockfall Protection Study Yes: Project identified through DOT's Rockfall Protection Study No: Project did not result from DOT's Rockfall Protection Study	Cost Participation High: Private industry funding has been secured Med: Private industry funding is anticipated Low: Does not include other financial involvement (i.e. private industry)	Project Stage High: Planning or Design has already been completed Med: Planning or Design is almost complete Low: The project has not yet begun	Gap Closure? Does this project close a gap or connect missing links in a route?	Mandated? Required by federal, state, or municipal laws, regulations or codes?	Addresses at least one MAP-21 Planning Factor?	Listed in Regional Transportation Plans	HSTP Goals and Objectives Code	2015-2018 STIP Revision #10 (6/13/17)
Projects that mitigate high accident and hazardous sites, such as: - guardrail and shoulder improvement projects - rockfall and slope stabilization projects - street light pole replacement projects - emergency telephone projects - Intelligent Transportation System (ITS)												
	KAUAI : STATE - FHWA											
KS2.	Guardrail and Shoulder Improvements on State Highways, Kauai, Parts 3, 4 & 5	Improve guardrails and shoulders at various locations.	N	N	L	L	N	N	Y	N	G101-3, G201-2, G301, G401	Increase Part 4 CON estimate in FFY 2017 from \$1M to \$2.6M due to upgrading guardrail end treatments to MASH standards, an AASHTO requirement.
	COUNTY OF KAUAI - FHWA											
KC3.	Kawaihau Road (Route 5860), Hauaala Road (Route 5865), Mailihuna Road (Route 5870), Complete Street & Safety Improvements	Construction of roundabouts at Hauaala Rd (Route 5865)/Kawaihau Rd (Route 5860)/Mailihuna Rd (Route 5870) Intersection; Sidewalk and pedestrian crossing improvements on Kawaihau Rd (Route 5860); Sidewalk construction on Hauaala Rd (Route 5865) in the vicinity of Saint Catherine School; Roundabout at Kawaihau Rd (Route 5860)/Nunu Rd intersection; Sidewalk construction on Mailihuna Rd (Route 5870); Bus stop shelters on Kawaihau Rd (Route 5860).	N	N	L	L	N	N	Y	Y	G101-3, G201-2, G301, G401	Defer and inflate CON from \$3.121M in FFY 2018 to \$3.183M in FFY 2019 for financial constraint.

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Projects that add capacity to the highway system, such as: - new highway projects - widening projects (additional capacity) - second access projects - ITS projects													
	KAUAI : STATE - FHWA												
KS7.	Kaumualii Highway (Route 50) Improvements, Anonui St to Kipu Rd, Phase IB	Construction for widening of Kaumualii Highway, Anonui Street to vicinity of Kipu Road, from two to four lanes.	Y	N	L	L	N	N	N	Y	Y	G101-4, G201-2, G301-2, G401, G502	Indefinitely defer project (\$20M of CON in FFY 2019 and \$10M of ADVCON in FFY 2020) in favor of system preservation and operational improvements.
	COUNTY OF KAUAI - FHWA												
KC5.	Northerly Leg of the Western Bypass Road (Ala Kalanikaumaka (Route 522))	Construct a new 4 lane roadway with 12' and 6' shoulders. The project begins at Koloa Road and the completed section of the Ala Kalanikaumaka intersection, heading northeast and connecting to Maluhia Road at the intersection of Maluhia and Ala Kinoike.	Y	N	L	L	N	Y	N	Y	Y	G101-4, G201-2, G301-2, G401, G502	Defer project (\$2M of PE2 in FFY 2019) to beyond FFY 2020 due to the re-prioritization of programs and in favor of system preservation projects.

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ENHANCEMENT PROJECTS		Project Description	Hawaii Statewide Enhancement Program	Cost Participation	Project Stage	Gap Closure?	Mandated?	Addresses at least one MAP-21 Planning Factor?	Listed in Regional Transportation Plans	HSTP Goals and Objectives Code	2015-2018 STIP Revision #10 (6/13/17)
Transportation enhancement projects, such as: - bikeway projects - landscaping projects - pedestrian facilities projects			Is the project classified as "Potentially Fundable" for use of Transportation Enhancement funds by the Hawaii Procedures for TE Projects?	High: Private industry funding has been secured Med: Private industry funding is anticipated Low: Does not include other financial involvement (i.e. private industry)	High: Planning or Design has already been completed Med: Planning or Design is almost complete Low: The project has not yet begun	Does this project close a gap or connect missing links in a route?	Required by federal, state, or municipal laws, regulations or codes?				
COUNTY OF KAUAI - FHWA											
KC7.	Poipu Road (Route 520) Multimodal Improvements  Phase 1 - Lawai Rd to Keleka Rd Phase 2 - Koloa Rd to Lawai Rd	Construction of sidewalks and bike lanes; Intersection and pedestrian crossing improvements; Construction of a roundabout at Kiahuna Plantation Drive intersection and Ala Kinoiki; Construction of bus stop shelters; Construction of medians and landscaping	N	L	L	N	N	Y	Y	G101-4, G201-2, G301-2, G401	Defer and inflate Phase 1 CON from \$5M in FFY 2018 to \$5.1M in FFY 2019 and Phase 2 CON from \$4M in FFY 2019 to \$4.08M in FFY 2020 since a contract has not yet been executed with the selected consultant yet.





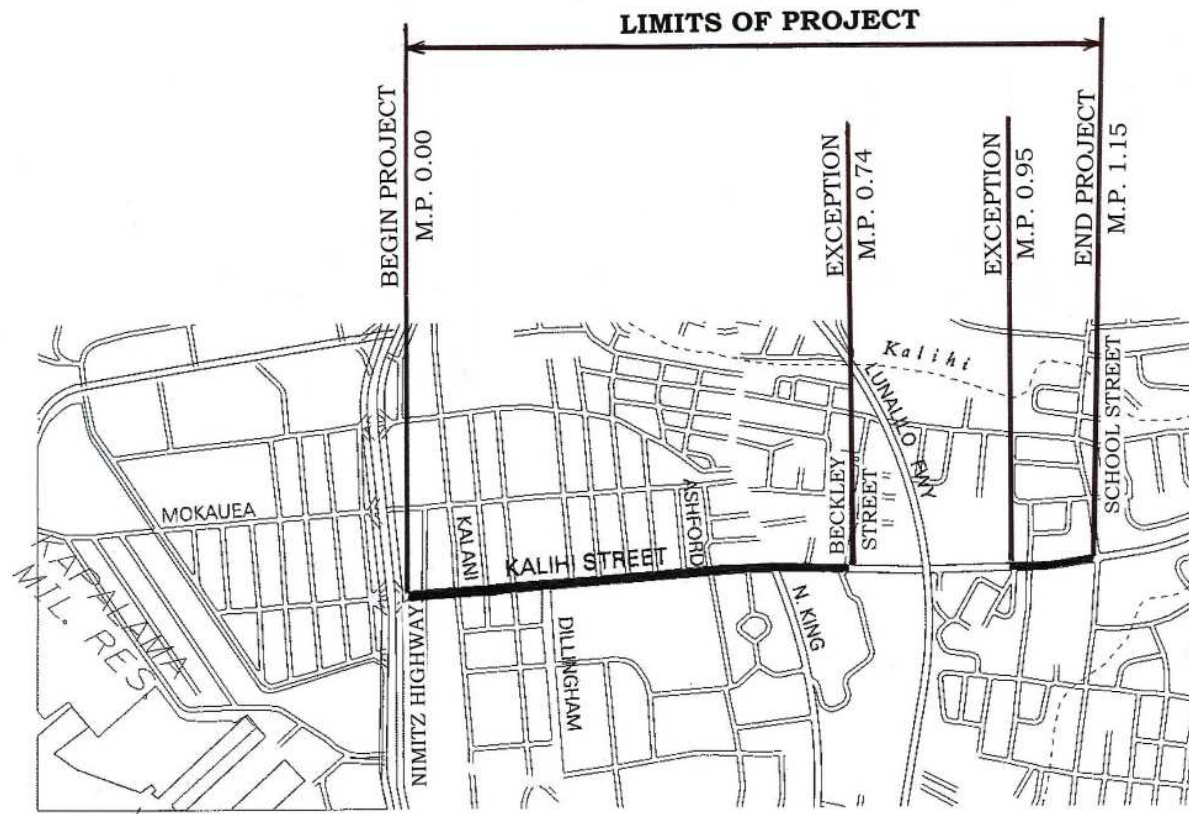
# STATE OF HAWAII DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION  
HONOLULU, HAWAII

## KALIHI STREET RESURFACING NIMITZ HIGHWAY TO SCHOOL STREET



M.P. 0.00 TO M.P. 1.15



GROSS LENGTH OF PROJECT: 1.15 MILES  
NET LENGTH OF PROJECT: 0.94 MILES