

**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.
		G103	Objective 3: To promote alternative transportation mode choice. A. Provide a reasonable level and variety of public transit services that adequately meet statewide and community needs. B. Provide affordable, viable alternatives that are convenient and accessible. C. Promote pedestrian and cyclists safety.
		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 transportation 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 facilities 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 island's 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 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 #6 (6/15/16)
STATEWIDE - FHWA												
S2.	Bridge Inspection and Appraisal	Inventory, inspect and appraise state bridges. Includes underwater inspection, scour analyses, surveys and preparation of plans for bridge repairs, retrofits and replacements.	N	N	L	H	N	Y	Y	N	G101-2, G201-2	Delete \$3.1M of PLN in FFY 2016 since funds are not needed and previous year funds will be used.
S6.	Highway Shoreline Protection, Statewide	Funding to implement shoreline protection projects as identified in the State's shoreline protection plan.	N	N	L	M	N	N	Y	N	G101, G201, G501	Split \$200K of DES in FFY 2018 to \$50K of PE1 and \$150K of PE2 in FFY 2018. Split \$200K of DES in FFY 2020 to \$50K of PE1 and \$150K of PE2 in FFY 2020.
S12.	Statewide Signing, Striping and Pavement Marking Program	System maintenance to upkeep traffic control devices such as highway signing and striping.	N	Y	L	H	N	N	Y	N	G101-2, G201-2, G301-2, G401-2, G501	Revise phase from DES-CON to PE-CON.
S13.	Statewide Guardrail and Shoulder Improvement Program	System maintenance to upkeep roadway guardrails and shoulders.	N	N	L	H	N	N	Y	N	G101-3, G201-2, G301-2, G401-2, G502	Revise phase from DES-CON to PE-CON.

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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 #6 (6/15/16)
STATEWIDE - FHWA												
S24.	Highway Safety Improvement Program (HSIP), Infrastructure Funding Program	Implement infrastructure scope of HSIP that would include various eligible safety improvement countermeasures. Safety Improvement countermeasures, can include, but is not limited to: installation of traffic signals, centerline and shoulder rumble strips, high friction surface treatment, advance warning devices, backplates with retroreflective borders, additional or new signing and pavement markings, roundabouts, channelization, improving roadway illumination, removing obstacles, improving drainage, guardrails, shoulder widening, providing proper superelevation, left turn storage lanes, right turn acceleration lanes, safety edge, etc.	Y	N	L	N/A	N	N	Y	N	G103, G201-2, G501	Split \$200K of DES in FFY 2017 to \$50K of PE1 and \$150K of PE2 in FFY 2017. Split \$200K of DES in FFY 2019 to \$50K of PE1 and \$150K of PE2 in FFY 2019.
S5.	Highway Safety Improvement Program (HSIP), Non - Infrastructure Funding Program	Implement non-infrastructure scope of HSIP including safety education programs and PSAs.	Y	N	L	H	N	N	Y	N	G103, G201-2, G501	Revise phase from PLN/DES to PLN/OPR.
S9.	Safe Routes to School (SR2S) Program	Implement the Safe Routes to School Program to promote walking and biking as a safe and viable transportation alternative, especially in the vicinity of schools.	N	N	L	M	N	N	Y	N	G101-4, G201-2, G301-2, G402, G501-2	Revise phase from PLN/DES to PE. Revise phase from Pn/Ds/Co to PE/CON.
S11.	Statewide Highway Lighting and Traffic Signal Upgrade Program	System maintenance of highway lighting and traffic signals.	N	N	L	M	N	N	Y	N	G201	Revise phase from DES-CON to PE-CON.

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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 #6 (6/15/16)
STATEWIDE - FHWA													
S8.	Public Lands Highways Discretionary Projects	Federal grant program. Projects that are adjacent to or provide access to federal lands are eligible to apply for these funds.	N	N	L	L	N	N	N	Y	N	G101-2, G501-3	Revise phase from DES/CON to PE/CON.

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ENHANCEMENT PROJECTS		Project Description	Hawaii Statewide Enhancement Program Is the project classified as "Potentially Fundable" for use of Transportation Enhancement funds by the Hawaii Procedures for TE P Projects?	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 #6 (6/15/16)
STATEWIDE - FHWA											
S1.	Bikeway Improvements at Various Locations, Statewide	Implementation of State bike projects identified on Bike Plans.	N	L	L	N	N	Y	Y	G101-4, G201-2, G301-2, G401-2, G501-2	Split \$300K of DES in FFY 2019 to \$100K of PE1 and \$200K of PE2 in FFY 2019. Use \$1.5M of ADVCON in FFY 2019 for financial constraint.
S7.	Pedestrian Facilities and ADA Compliance at Various Locations	Address ADA compliance needs, statewide.	N	L	L	N	Y	Y	Y	G101-4, G201-2, G301-2, G401-2, G502	Split \$208K of DES in FFY 2017 to \$135K of PE1 and \$73K of PE2 in FFY 2017. Split \$200K of DES in FFY 2018 to \$130K of PE1 and \$70K of PE2 in FFY 2018.
S10.	SNIPP - Statewide Noxious Invasive Pest Program	Operation of the Statewide Noxious Invasive Pest Program.	N	L	M	N	N	Y	N	G101, G301, G501	Delete \$2.13M of 2016 funds since there is still remaining funds from previous years.

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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 #6 (TIP Revision #10) (6/15/16)
OAHU : STATE - FHWA																		
OS2.	Farrington Highway (Route 93), Bridge Rehabilitation, Ulehawa Stream Bridge	Rehabilitate bridge to meet current design standards. This includes bridge strengthening, widening, improving shoulders, and upgrading railings.	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 \$585K in FFY 2017 to \$597K in FFY 2018 since a design consultant is currently being procured (A.2).
OS30.	Kamehameha Highway (Route 83), Bridge Replacement, Kawela 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	Update CON cost estimate (increase) in FFY 2017 from \$4.9M total to \$6.3M total (A.11). Increased Estimated Total Project Cost from \$6.5M to \$7.5M.
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 increase ROW from \$245K in FFY 2016 to \$1M in FFY 2017 to reflect current estimate (A.11). Increase Estimated Total Project Cost from \$10.3M to \$11.3M.
OS45.	Moanalua Freeway (Route H-201), Highway Lighting Improvements, Halawa Heights Off-Ramp to the Middle Street Overpass (MP 1.12 to MP 4.09)	Upgrade/replace existing freeway lighting on Moanalua Freeway, from the Halawa Heights westbound off-ramp (milepost 1.12) to the Moanalua/H-1 Freeway merge at Middle Street (milepost 4.09).	L	N/A	L	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 506	G101-3, G201-2, G301, G401	Use Advance Construction for CON in FFY 2017 for financial constraint (A.3)--Federal-aid for CON in FFY 2017 has been reduced from \$5.618M to \$618KM and add Advance Construction reimbursement of \$5M in FFY 2018.

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OS62.	<p>Pali Highway (Route 61) Resurfacing & Lighting Improvements, Vineyard Blvd (Route 98) Kamehameha Highway (Route 83)</p> <p>Ph 1 - Lighting entire length. Resurf. Waokanaka St to Kamehameha Hwy</p>	<p>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.</p>	L	N/A	H	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 506	G101-3, G301-2, G401	<p>Increase CON estimate (due to current bids) (A.11) and dual-fund CON with HSIP funds, in addition to NHPP funds (A.8). The HSIP-funded CON portion in FFY 2017 is \$4.3M total, \$3.44M federal-aid. The NHPP-funded CON portion in FFY 2017 was \$44M total, \$32.7M federal-aid and is now \$57M total, \$14.76M federal-aid. The Advanced Construction reimbursement was then redistributed for financial constraint--AdvCON in FFY 2018 increased from \$2.5M to \$20.4M and \$11M was added to FFY 2019 (A.3). Increase Estimated Total Project Cost from \$65M to \$85M.</p>
OS62.	<p>Pali Highway (Route 61) Resurfacing & Lighting Improvements, Vineyard Blvd (Route 98) Kamehameha Highway (Route 83)</p> <p>Ph 2 - Resurfacing, Vineyard Blvd to Waokanaka St</p>	<p>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.</p>	L	N/A	H	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 506	G101-3, G301-2, G401	<p>Increase Estimated Total Project Cost from \$65M to \$85M (A.3).</p>

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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 #6 (TIP Revision #10) (6/15/16)
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	Phase 2: Split \$260K of DES currently in FFY 2017 into PE1 (\$170K in FFY 2017) and PE2 (\$90K in FFY 2018) (A.3).
OS14.	Interstate Route H-1, Guardrail and Shoulder Improvements, Kapiolani Interchange to Ainakoa Avenue	Install and/or upgrade existing guardrails, crash cushions, and concrete barriers to meet current standards.	H	L	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 401	G101-2, G201-2, G301-2, G401	Redistribute Advance Construction for financial constraint (A.3): in FFY 2017, reduce federal-aid from \$4.347M to \$347K and in FFY 2018, increase federal-aid from \$1.5M to \$5.5M.
OS15.	Interstate Route H-1, Guardrail and Shoulder Improvements, Middle Street (Route 7415) to Punchbowl Street (Route 7516)	Install and/or upgrade existing guardrails, crash cushions, and concrete barriers to meet current standards.	H	L	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 401	G101-2, G201-2, G301-2, G401	Increase CON estimate (A.11) and dual-fund CON with HSIP funds, in addition to NHPP funds (A.8). The HSIP-funded CON portion in FFY 2016 is \$1.34M total, \$1.072M federal-aid. NHPP-funded CON portion in FFY 2016 is now \$5.36M total, \$288K federal-aid. A portion of this is using an Advanced Construction reimbursement of \$4M in FFY 2017 for financial constraint (A.3). Increased Estimated Total Project Cost from \$5.9M to \$7.5M.
OS20.	Interstate Route H-1 Safety Improvement, Beginning of H-1 (Palailai IC) to Waiawa Overpass	Scope includes, but is not limited to: Installation of milled rumble strips on shoulders; reconstruction of paved shoulders; pavement markings; and signing.	H	H	N/A	L	L	N	N	N	N/A	Y	Y	Y	Proj. 401	G101-4, G201-2, G301-2, G401	Use Advance Construction for CON in FFY 2017 for financial constraint (A.3)--Federal-aid for CON in FFY 2017 has been reduced from \$3.264M to \$1M and add Advance Construction reimbursement of \$2.264M in FFY 2018.
OS61.	Kamehameha Highway (Route 83) Realignment, Vicinity of Kawailoa 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	Rename DES phase to PE2 (A.3).

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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	Use Advance Construction for CON in FFY 2017 for financial constraint (A.3)--Federal-aid for CON in FFY 2017 has been reduced from \$4.994M to \$994K and add Advance Construction reimbursement of \$4M in FFY 2018.
CITY & COUNTY OF HONOLULU - FHWA																	
OC1	Alapai 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 add funds (A.11).
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 rename PLN and DES as PE1 and PE2, defer to an illustrative year, delete ROW phases, and add new TBD 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 #6 (TIP Revision #10) (6/15/16)
OAHU : STATE - FHWA																			
OS5.	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78), System Manager	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	Change DES phase to OPR for better accuracy (A.3).
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 CON from \$10M in FFY 2019 to \$10.2M in FFY 2020 and AdvCON in FFY 2020 to the STIP out years to reflect the updated schedule (A.2).
CITY & COUNTY OF HONOLULU - FHWA																			
OC9.	Traffic Signal Optimization	Optimize traffic signal timing, coordination, and implementation plans to reduce vehicle congestion, travel times, and fuel consumption. Optimize timings for approximately 150 traffic signals located in various areas on Oahu. Tasks include field studies and data collection, implementing computer networks and calibrating for existing conditions, optimizing timing with computer, and implementing and testing timing in the field. The flashing "don't walk" times on the traffic signals will utilize the slower pedestrian crossing times in the latest Manual on Uniform Traffic Control Devices. Additional roadway widths for bike lanes and paths will be considered in retiming the traffic signals.	L	L	L	H	L	L	N/A	N	N	N	Y	Y	Y	Y	Proj. 504	G101-4, G201-2, G301-2, G404	Request to rename PLN and DES as PE1 and PE2 (A.11).

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OAHU : STATE - FHWA																		
OS17.	Interstate Route H-1, Kapolei Interchange Complex	Phase 2 and Phase 3 will complete the construction of the Wakea Street Separation and its associated ramps. Phase 3 4 and 4 5 will complete the ultimate buildout of the Kapolei IC Complex including the completion of Palailai and Makakilo Interchanges.	H	L	H	H	M	M	N	N	N	N/A	Y	Y	Y	Proj. 204	G101-2, G104, G201-2, G302, G401	Add \$10M of Advance Construction in FFY 2017 to reflect cash flow for the updated CON federal-aid obligation amount in FFY 2015 from \$49.5M to \$41.2M (A.3). Defederalize Phase 3 DES in FFY 2016 since it will be state-only funded (A.9).
OS60.	Kahekili Highway (Route 83) Improvements, Likelike Highway (Route 63) to Kamehameha Highway (Route 6510)	Capacity improvements through the defined limits, which could include widening and/or improving intersections. Estimated Total Project Cost is based on a potential full build alternative.	TBD	L	TBD	M	L	M	N	N	TBD	N/A	Y	Y	Y	Proj. 211	G101-2, G104, G201-2, G302, G401, G502	Rename DES phase to PE2 (A.3).
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 rename DES as PE2 (A.3).

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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 #6 (TIP Revision #10) (6/15/16)
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 CON from \$9M in FFY 2016 to \$9.18M in FFY 2017 since environmental clearance is still progress (A.2). CON in FFY 2017 is using an Advanced Construction reimbursement of \$7M in FFY 2018 for financial constraint (A.3).
CITY & COUNTY OF HONOLULU - FHWA																
OC25.	Transportation Alternatives Program at Various Locations	The Transportation Alternatives Program (TAP) is a competitive grant program that provides funding for programs and projects defined as transportation alternatives, including on- and off-road pedestrian and bicycle facilities, infrastructure projects for improving non-driver access to public transportation and enhanced mobility, and community improvement activities. Locations to be determined by the OahuMPO TAP Project Evaluation and Ranking process.	N	Y	L	M	N	N	N	N/A	Y	Y	Y	Proj. 101	G101-4, G201-2, G301-2, G401, G501	Request to add phases to grouped listing in the funding amounts subject to lapse (A.5).

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TRANSIT PROJECTS		Project Description	Maintains Existing System	Completes Multi-Phase Project	Enhances Hub-and Spoke System	Enhances Safety and Security	New Transit Service	Local Match In Year 1 Budget	Local Match Probable In Years 2,3 or 4 Budget	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 #6 (TIP Revision #10) (6/15/16)
OAHU : STATE - FHWA																
OS64.	Honolulu Rail Transit Project - Highway Improvements	Traffic improvements to traffic control devices and intersections affected by rail construction along the West Oahu Farrington Highway (Routes 7110 & 7101 from Old Fort Weaver Road to Waipahu High School) and Kamehameha Highway (Route 99 from Acacia Road to Aloha Stadium) Guideway construction corridors.	N	N	N	N	N	N	Y	N/A	Y	Y	Y	Proj. 852	G101-3, G201-2, G301-2, G401	Increase total CON federal aid from \$24M to \$33M and split it over three years (A.11)--\$3M in FFY 2016, \$15M in FFY 2017, and \$15M in FFY 2018. Increased Estimated Total Project Cost from \$30M to \$41.25M.
CITY & COUNTY OF HONOLULU - FTA																
OC13.	Bus and Handi-Van Acquisition Program	Purchase replacement transit buses and handi-van vehicles.	Y	N/A	N/A	Y	N	Y	Y	N/A	Y	Y	Y	Proj. 603	G101-4, G201-2, G301-2, G401, G501	Request to delete FTA funded phase (A.5).
OC16.	Honolulu Rail Transit Project	Plan, design and construct a fixed guideway system between East Kapolei and Ala Moana Center. The system includes stations and related appurtenances, park-and-ride facilities, a maintenance and storage facility, light metro vehicles and associated core systems.	N/A	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Proj. 852	G101-4, G201-2, G301-2, G401, G502	Request update expected federal funds, remove 5307 funding, and increase FHWA flex funding from \$24 M to \$33 M split over 3 years (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 #6 (6/15/16)
	HAWAII : STATE - FHWA											
HS4.	Hawaii Belt Road (Route 19), Bridge Replacement, Pahoehoe Stream Bridge	Replace existing bridge.	Y	N	L	L	N	N	Y	N	G101-2, G201-2, G301-2, G401	Defer and inflate ROW from \$1.15M in FFY 2017 to \$1.173M in FFY 2018 since a contract amendment being worked on needs to be executed before design can begin.
HS18.	Mamalahoa Highway (Route 11), Hilea Bridge Replacement	Replace existing bridge.	Y	N	L	L	N	N	Y	N	G101-2, G201-2, G301-2, G401	Update cost estimate (increase by \$900K) from \$6.6M to \$7.5M in FFY 2019. Update Estimated Total Project Cost to \$10M.
HS26.	Mamalahoa Highway (Route 11), Ninole Stream Bridge Replacement	Replace existing bridge.	Y	N	L	L	N	N	Y	N	G101-2, G201-2, G301-2, G401	Update cost estimate (decrease by \$3M) from \$10M to \$7M in FFY 2019.
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	Update cost estimate (increase) from \$10.6M to \$12.075M in FFY 2017. Delete \$6.216M of ADVCON in FFY 2018. Update Estimated Total Project Cost to \$12.5M.

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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 #6 (6/15/16)
	HAWAII : STATE - FHWA											
HS3.	Guardrail and Shoulder Improvements, Various Locations	Improve guardrail and shoulders.	N	N	L	L	N	N	Y	N	G101-3, G201-2, G301, G401	Split \$100K of DES into \$35K of PE1 and \$65K of PE2.
HS5.	Hawaii Belt Road (Route 19), Drainage Improvements and Rockfall Protection, Vicinity of Hakalau Bridge	Install a new culvert system along the mauka shoulder. Include rockfall protection on the cutslope including permanent mesh system on both sides of the roadway.	N	Y	L	M	N	N	Y	N	G101-3, G201-2, G301, G401	Update cost estimate (increase total and local funds in FFY 2018 by \$2M) from \$6.5M to \$8.5M in FFY 2018. Increasing ADVCON in FFY 2019 by \$2M from \$4.6M to \$6.6M. Update Estimated Total Project Cost to \$9.8M.
HS10.	Hawaii Belt Road (Route 19), Rockfall Protection at Various Sections, Phase I (Laupahoehoe Gulch)	Slope protection along Route 19, Hawaii Belt Road, in the vicinity of Laupahoehoe Gulch.	N	Y	L	M	N	N	Y	N	G101-3, G201-2, G301, G401	De-federalize \$7M of federal-aid for CON in FFY 2018 and redistribute ADVCON in FFY 2020 from \$10.96M to \$17.96M for financial constraint.
COUNTY OF HAWAII - FHWA												
HC7.	Waiuanuenue Avenue (Route 2720) Improvements, Rainbow Drive to Akolea Road	Provide roadway improvements to include bike lanes and pedestrian walkways along Waiuanuenue Avenue from Rainbow Drive to Akolea Road.	N	N	L	L	N	N	Y	N	G101-3, G201-2, G301, G401	Defer and inflate ROW from \$250K in FFY 2016 to \$255K in FFY 2017 and CON from \$12.65M in FFY 2018 to \$12.903M in FFY 2019. Delete \$6.192M of ADVCON in FFY 2019. A consultant is currently being procured.

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CONGESTION MITIGATION 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 #6 (6/15/16)
HAWAII : STATE - FHWA													
HS25.	Queen Kaahumanu Highway (Route 19), Intersection Improvements at Kawaihae Road (Route 19)	Improve operation, capacity and safety of Queen Kaahumanu Hwy and Kawaihae Road intersection.	N	Y	L	H	N	N	N	Y	N	G101-4, G201-2, G302, G401, G502	Defer and inflate CON from \$1.24M in FFY 2016 to \$1.265M in FFY 2017 since DES just started in April 2016.
COUNTY OF HAWAII - FHWA													
HC4.	Kawailani Street (Route 2760) Improvements, Vicinity of Kanoelani Street to Vicinity of Kuhilani Street, Phase 2B	Phase 1 includes intersection improvements at Pohakulani, Ainaloa and Iwalani. Phase 2 work includes roadway widening and reconstruction; constructing retaining walls and drainage improvements; street light and traffic signal systems; utility relocations; and installing concrete curbs, gutters, sidewalks, and curb ramps.	N	N	L	M	Y	N	N	Y	N	G101-4, G201-2, G302, G401, G502	Update cost estimate (increase) from \$17.85M to \$18.1M in FFY 2016.

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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 #6 (6/15/16)
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	De-federalize \$5M of federal-aid for CON in FFY 2018 and redistribute ADVCON in FFY 2020 from \$10.848M to \$15.848M for financial constraint.
COUNTY OF HAWAII - FHWA													
HC5.	Kuakini Highway (Route 1100) Widening, Phase II, Hualalai Road (Route 188) to Proposed Alii Highway (Route 1110)	Widening of a 1.1 mile section of Kuakini Hwy from Hualalai Road and the proposed Alii Highway. Construction costs for Phase 2 are estimated at \$45 million. The project will need to be phased due to our limited annual allotment of federal funds.	Y	N	L	L	N	N	N	Y	Y	G101-4, G201-2, G301-2, G401, G502	Change DES to PE2. Defer and inflate PE2 from \$1.5M in FFY 2017 to \$1.6M in FFY 2018; CON from \$17.31M in FFY 2019 to \$17.7M in FFY 2020; and \$9.92M of ADVCON to STIP out years for financial constraint.
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	Defer and inflate CON from \$8.16M in FFY 2017 to \$11.08M in FFY 2019 since environmental clearance has not yet been cleared.

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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 #6 (6/15/16)
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	Split \$2.075M of DES in FFY 2017 into \$1.075 of PE1 in FFY 2017 and \$1M of PE2 in FFY 2018.
MS5.	Honoapiilani Highway (Route 30), Bridge Replacement, Honolua Bridge	Replacement of a concrete T-beam bridge on Honoapiilani Hwy in the vicinity of Honolua Bay.	Y	N	L	M	N	N	Y	N	G101-2, G201-2, G301-2, G401	Defer and decrease ROW from \$120K in FFY 2017 to \$100K in FFY 2018 since environmental clearance is still being worked and only construction parcel rentals for detour road are anticipated. Add \$4M of ADVCON in FFY 2019, thereby reducing the federal-aid for CON in FFY 2018 from \$4.48M to \$480K for financial constraint.
MS9.	Kahului Beach Road (Route 3400), Shoreline Protection, Kahului Bay (#1)	Construct a seawall for about 800 feet of highway outside the harbor that would provide storm wave protection to the highway. Also construct low-profile concrete retaining wall at the waters edge to minimize accumulation of seaweed on the shoreline.	N	N	L	M	N	N	Y	N	G101-2, G201-2, G301	Defer and inflate CON from \$5.13M in FFY 2017 to \$5.233M in FFY 2018 since environmental clearance is not expected in time for 2017 obligation. Add \$4M of ADVCON in FFY 2019, thereby reducing the federal-aid for CON in FFY 2018 from \$4.186 to \$186K for financial constraint.

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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 #6 (6/15/16)
	MAUI : 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	Redistribute AC reimbursement--federal-aid for CON in FFY 2018 reduces from \$1.52M to \$520K; and ADVCON in FFY 2019 increases from \$4M to \$5M for financial constraint.
MS6.	Honoapiilani Highway (Route 30) Realignment, Phase 1B2, Hokiokio Place to Relocated Southern Terminus	Continuation of Lahaina Bypass from Hokiokio Place to Relocated Southern Terminus.	Y	N	L	L	N	Y	N	Y	Y	G101-4, G201-2, G301-2, G401, G502	Advance \$100K of local-only ROW in FFY 2017 to FFY 2016. Advance and increase CON from \$30M in FFY 2018 to \$38.875M in FFY 2016. This is the top capacity priority. Delete \$4M of ADVCON in FFY 2019 since it will be fully funded in FFY 2016.
MS12.	Paia Bypass Road (Paia Alternative Route, Vicinity of Spreckelsville to Vicinity of Hookipa Park)	Plans for alternative traffic improvements in the vicinity of Paia town.	Y	N	L	L	N	N	N	Y	Y	G101-4, G201-2, G301-2, G401, G502	Rename DES to PE2.

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TRANSIT PROJECTS		Project Description	Maintains Existing System Does it maintain and operate existing fixed route bus and complementary paratransit system?	Completes Multi-Phase Project Does it complete a multi-phase project that has started?	Enhances Hub-and-Spoke System Does it enhance system performance through implementation of hub-and-spoke system?	Enhances Safety and Security Does it enhance safety/security of passengers and the system and enhances service quality level?	New Transit Service	Local Match in Year 1 Budget	Local Match Possible in Years 2, 3 or 4 Budget	Addresses at least one MAP-21 Planning Factor?	Listed in Regional Transportation Plans	HSTP Goals and Objectives Code	2015-2018 STIP Revision #6 (6/15/16)
COUNTY OF MAUI - FTA													
MC36.	Bus and Bus Facility (Rural)	Purchase buses and operate bus transit facilities. Capital projects to replace, rehabilitate and purchase buses, vans, and related equipment, and to construct bus-related facilities. Program funds will be utilized to purchase communication, passenger counting equipment and buses for transit operations	Y	Y	Y	Y	Y	Y	Y	N	G101-3, G201-2, G301-2, G401	Revise project description and funding category from "Rural Bus Program" to "Bus and Bus Facility".	

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KAUAI: STATE - FHWA												
KS4.	Kaumualii Highway (Route 50), Bridge Rehabilitation, Bridge No. 7E	Repair/rehabilitate bridge 7E on Kaumualii Highway update to current bridge standards.	Y	N	L	L	N	N	Y	N	G101-2, G201-2, G301, G401	Update FFY 2016 CON estimate (increase) from \$3.2M to \$4.44M. Update Estimated Total Project Cost to \$5.365M.
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	Update FFY 2016 CON estimate (increase) for Phase 1 Detour Road from \$2M to \$5.025M. Update FFY 2020 CON estimate (decrease) for Phase 2 Bridge Work from \$25M to \$20.5M. Update Estimated Total Project Cost to \$28M.
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 \$805K in FFY 2016 to \$825K in FFY 2017 since ROW acquisition is anticipated in FFY 2017. De-federalize \$8.92M of federal-aid for FFY 2018 CON and add \$8.92M of ADVCON in FFY 2019 for financial constraint. Update Estimated Total Project Cost to \$13M.
KS15.	Kuhio Highway (Route 560), Bridge Rehabilitation, Wainiha Stream Bridges #1, #2 & #3 Phase 1 - Detour Road Phase 2 - Bridge Work	Repair/rehabilitate existing bridges.	Y	N	L	L	N	N	Y	N	G101-2, G201-2, G301-2, G401	Update FFY 2019 CON estimate (increase) for Phase 2 Bridge Work from \$20M to \$22.75M. Update Estimated Total Project Cost to \$25.3M.

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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 #6 (6/15/16)
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	Defer and inflate ROW from \$607K in FFY 2017 to \$620K in FFY 2018 since DES hasn't started. Delete \$1M of CON for Phase 1 Detour Road since this work has already been included as part of KS15 Kuhio Hwy Wainiha Stream #1, #2, #3 Bridge Rehabilitation.
COUNTY OF KAUAI - FHWA												
KC1.	Bridge Inspection and Appraisal	Inspection of various bridges throughout the County. FHWA Requirement.	N	N	L	M	N	Y	Y	N	G101-2, G201-2	Rename Phase from PLN/DES to OPR for better accuracy.

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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 #6 (6/15/16)
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	De-federalize DES in FFY 2016 since it will be state-only funded. Split and de-federalize (state-only funded) \$100K of DES in FFY 2018 to \$50K (local-only) of PE1 in FFY 2018 and \$50K of PE2 in FFY 2019.
KS11.	Kuhio Highway (Route 56), Mailihuna Road Intersection Improvements and Kapaa Stream Bridge Rehabilitation Phase 1 - Detour Road Phase 2 - Bridge Work	Safety improvements at Mailihuna Road intersection and Kapaa Stream Bridge including guardrail upgrades, wider shoulders for pedestrians and bicycles. The bridge will be strengthened to accommodate present day vehicular modes.	N	N	L	L	N	N	Y	N	G101-3, G201-2, G301, G401	Update FFY 2016 CON estimate (increase) for Phase 1 Detour Road from \$1M to \$2.47M. Update FFY 2019 CON estimate (increase) for Phase 2 Bridge Work from \$9.6M to \$12.8M. Update Estimated Total Project Cost to \$16.5M.

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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 #6 (6/15/16)
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	Rename DES to PE2.

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ENHANCEMENT PROJECTS		Project Description	Hawaii Statewide Enhancement Program Is the project classified as "Potentially Fundable" for use of Transportation Enhancement funds by the Hawaii Procedures for TE P projects?	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 #6 (6/15/16)
COUNTY OF KAUAI - FHWA											
KC4.	Lydgate Park to Kapaa Bike/Pedestrian Path (Phase III of the Lihue-Anahola Coastal Bike Path, Bike Plan HI, April '94) Phase A-1 - Kawaihau Elevated Boardwalk, Papaloa Road to Uhelekawawa Canal Kawaihau Road to Gore Park Phases C & D	A shared-use path for pedestrians, bicyclists, and other users from Papaloa Road to Uhelekawawa Canal, a distance of approximately 1.2 miles. The bike/ped path will be 10 to 12 feet wide and allow movement in both directions.	Y	L	H	N	Y	Y	N	G101-4, G201-2, G301-2, G401-2, G502	Phase A-1: Correct project limits from "Papaloa Road to Uhelekawawa Canal" to "Kawaihau Road to Gore Park". Update CON estimate (decrease) in FFY 2016 from \$2.295M to \$4.25M.
KC4.	Ahukini To Lydgate Park Bike/Pedestrian Path (Phase IV of the Lihue-Anahola Coastal Bike Path, Bike Plan HI, April '94). Phase A - Ahukini Landing to Hanamaulu Beach Park. Phase B - Hanamaulu Beach Park to Wailua Golf Course	The 10' to 12' wide 6' thick 5.3 mile concrete path from Ahukini Pt, connecting with an existing path at Lydgate Park. A future Phase C will go from Wailua Golf Course to Lydgate Park and cost \$9.5M.	Y	L	L	N	N	Y	N	G101-4, G201-2, G301-2, G401-2, G502	Phase A: Rename DES to PE2. Phase B: Rename DES to PE1.
KC4.	Nawiliwili to Ahukini Bike/Pedestrian Path (Phase VI of the Lihue-Anahola Coastal Bike Path, Bike Plan HI, April '94) Phase A - Ninini Point to Ahukini Phase B - Ninini Point to Nawiliwili Beach Park	Path development will consist of a 10 to 12-foot wide concrete shared-use coastal path of various low-maintenance materials. Bike lane and sidewalk improvements to existing and planned street corridors will provide additional connectivity through urban areas.	Y	L	L	N	N	Y	N	G101-4, G201-2, G301-2, G401-2, G502	Phase A: Rename DES to PE2. Update ROW estimate (decrease) in FFY 2020 from \$428K to \$420K. Phase B: Rename DES to PE2.
KC14.	Lihue Town Core Mobility and Revitalization	1) Conversion of Eiwa Street to a transit hub; 2) Rice Street road diet and streetscape improvements; 3) Sidewalks on Hoala and Kalena Streets; 4) Hoolako Street bicycle and pedestrian improvements; 5) Civic Center to Convention Hall shared use path; 6) Civic Center Transit Services; and 7) Puaole and Malae Streets bicycle boulevard.	Y - Some of these improvements could qualify as Transportation Alternative Program projects.	H - TIGER funds are federal funds that are above the regular formula fund total.	L - DES has not begun	N	N	Y	Y	G101-4, G201-2, G301-2, G401	Rename PLN to PE1 and update estimate (decrease) from \$1.234M to \$1.091M in FFY 2016. Rename DES/CON to PE2/CON and update estimate (decrease) from \$15.019M to \$14.724M in FFY 2017.