TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL FISCAL YEARS 2015 – 2018

Oahu MPO

ALL PROJECTS AS OF

REVISION 21

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL FISCAL YEARS 2015 - 2018

As of Revision 21

February 2018

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The City and County of Honolulu is using the OahuMPO TIP public involvement process, as outlined in the Federal Highway Administration/Federal Transit Administration metropolitan transportation planning regulations (23 CFR 450/49 CFR 613), to satisfy the public hearing requirements for the Federal Transit Administration's Urbanized Area Formula Program (49 U.S.C. Section 5307) program-of-projects.

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1 ABBREVIATIONS

1.1 OVERALL INITIALISMS AND ACRONYMS

3-C	Continuing, Cooperative, Comprehensive
ADA	Americans with Disabilities Act
APE	Area of Potential Effects
CAC	OahuMPO Citizen Advisory Committee
CATEX	Categorical Exclusion
CFR	Code of Federal Regulations
CCTV	Closed-circuit television
CMP	OahuMPO Congestion Management Process
DTS	City and County of Honolulu Department of Transportation Services
EJ	Environmental Justice
FAST	Fixing America's Surface Transportation Act [P.L. 114-96, 2015]
FMCSA	USDOT Federal Motor Carrier Safety Administration
FHWA	USDOT Federal Highway Administration
FTA	USDOT Federal Transit Administration
FFY	Federal Fiscal Year (October 1-September 30)
HART	Honolulu Authority for Rapid Transportation
HDOT	Hawaii Department of Transportation
HR	House Report
ITS	OahuMPO Intelligent Transportation System
MAP-21	Moving Ahead for Progress in the 21st Century [P.L. 112-141, 2012]
MOA	Memorandum of Agreement
NEPA	National Environmental Policy Act
NHPA	National Historic Preservation Act
NTD	National Transit Database
OahuMPO	Oahu Metropolitan Planning Organization
ORTP	OahuMPO Oahu Regional Transportation Plan
OWP	OahuMPO Overall Work Plan
PB	OahuMPO Policy Board (formerly Committee)
SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity Act – A Legacy for Users [P.L. 109-59, 2005]
SMP	Special Maintenance Program
SOGR	State of Good Repair
STIC	Small Transit Intensive Cities
STIP	Statewide Transportation Improvement Program
TAC	OahuMPO Technical Advisory Committee
TIP	Transportation Improvement Program
T6	Title VI of the Civil Rights Act of 1964
U.S.C.	United States Code
UZA	Urbanized Areas

1.2 PROJECT LISTING ABBREVIATIONS

FHWA Funding Categories

Bridge Off	Bridge Off-System
Bridge On	Bridge On-System
CMAQ	Congestion Mitigation and Air Quality Program
Discret	Discretionary Funds
Enhance	Transportation Enhancement Program
FHWA X-fer	FHWA transfer from FTA
IM	Interstate Maintenance
NHPP	National Highway Performance Program
NHS	National Highway System
HSIP	Highway Safety Improvement Program
RTP	Recreational Trails Program
STP (Flex)	Surface Transportation Program (Flexible)
TAP	Transportation Alternatives Program
TAP-U	Transportation Alternatives Program for Urbanized Areas

FTA Funding Categories

§5307	Urbanized Area Formula
§5309 FGM	Fixed Guideway Modernization
§5309 NS	New Starts
§5310	Enhanced Mobility
§5329	Public Transit Safety Program
§5337	State of Good Repair
§5339	Bus and Bus Facilities
§5340	Growing States and High-Density States Formula

Local Funding Category

Local Only	Locally-Funded

Project Phases (Chronological Order)

PLN	Planning
PE1	Preliminary Design, including NEPA
DES	Design
PE2	Final Design
EQP	Equipment
PREROW	Pre-Right-of-Way
ROW	Right-of-Way
ADVCON	Advance Construction Reimbursement
REL	Utility Relocation
CON	Construction
OPR	Operations
INSP	Inspection

2 INTRODUCTION

The *Transportation Improvement Program – Federal Fiscal Years 2015 - 2018 (TIP)* was prepared in accordance with the requirements of 23 U.S.C. 134 and 23 CFR 450 Part 300. This legal framework describes and prioritizes the surface transportation programs and projects that the Oahu Metropolitan Planning Organization (OahuMPO) Policy Board has selected for implementation during the program period. OahuMPO's TIP is the adopted, short-term program of public transit, highway, bicycle, and pedestrian projects that will receive federal transportation funds here on Oahu. The TIP needs to be financially constrained; that is, there must be a reasonable expectation that projects that are identified will have the necessary federal and local funding.

The FFYs 2015-2018 TIP covers a period of four years (FFYs 2015-2018) and contains two additional years (FFYs 2019 and 2020) for informational purposes ("information only"). The TIP will be updated at least every four years, and revised as needed. Once approved by the Policy Board and Governor (or Governor's designee), the TIP becomes the Oahu element of the Statewide TIP (STIP).

The following types of projects are included in the TIP:

- Surface transportation projects that are proposed to be funded with federal funds;[1]
- Regionally-significant projects that require action by the Federal Highway Administration (FHWA) or the Federal Transit Administration (FTA), regardless of if these projects are federally-funded; and
- Regionally-significant projects that are proposed to be funded with non-federal funds or with federal funds other than those administered by the FHWA or the FTA, such as congressional earmarks. These projects are included in the TIP for informational purposes.

The TIP identifies transportation programs and projects totaling approximately $3.6 billion to be implemented during the four-year program period. The projects include those eligible for federal funding assistance, as well as regionally significant locally-funded projects.

[1] Under 23 U.S.C. and 49 U.S.C. Chapter 53 (including transportation enhancements, Federal Lands Highway Program projects, safety projects included in the State's Strategic Highway Safety Plan, trails projects, pedestrian walkways, and bicycle facilities).

3 DEVELOPMENT PROCESS

Many of the projects in the TIP are programmed over several years. For example, a highway improvement project consists of right-of-way acquisition, planning, design, and construction phases. Each of these phases may last one or more years. In addition to new projects, the TIP includes many projects that were programmed in previous years.

The TIP development process spans over a year. The process is illustrated in Figure 1 and described below.

3.1 EARLY PUBLIC INPUT

The development of a TIP update begins with early public input. For the FFYs 2015-2018 TIP, the OahuMPO Citizen Advisory Committee and the Freight Task Force developed recommended lists of transportation projects for inclusion into the FFYs 2015-2018 TIP. Their recommendations were presented to the Policy Board for their consideration when selecting projects for the TIP. The Policy Board requested that the recommendations be forwarded to the City and State implementing agencies.

3.2 DEVELOPMENT OF FINANCIAL ESTIMATES

OahuMPO, HDOT, DTS and HART cooperatively formulate estimates of FHWA and FTA funds that are reasonably expected to be available for projects on the island of Oahu. These estimates are usually based on historic data.

3.3 CALL FOR PROJECTS

OahuMPO does a "call for projects" to the implementing agencies. In response, the HDOT, DTS and HART submit projects to be considered for inclusion in the TIP.

3.4 PUBLIC OUTREACH

3.4.1 Visualization

For visualization purposes, project location maps are developed for each project in the draft TIP, as applicable. Additional interactive project location maps are posted onto the OahuMPO website that allow the user to display layers that compare how each proposed project interacts with other plans and programs (e.g., conservation, natural resources, etc.).

3.4.2 Interested Parties

Opportunities are provided for interested parties to review and comment on the draft TIP project listing and financial plan. The draft TIP, as well as the interactive project location maps, are posted on the OahuMPO website during the public comment period. Information on the draft TIP is also distributed to the public via email or direct mail.

3.4.3 Agency Consultations

Details on the draft TIP are also circulated under OahuMPO's intergovernmental review process. A goal of the TIP process is to promote stakeholder relationships that foster cooperative efforts to achieve common transportation goals. Agencies responsible for planning activities that may be affected by the proposed transportation project are consulted for their perspectives on planning issues, needs, and priorities. Stakeholder agencies are provided with details on each TIP project, as well as the interactive project location maps, and are consulted with to ensure compatibility with their respective plans, maps, inventories, and planning documents.

3.4.4 Responses to Comments Received

All comments received, as well as responses to the comments, are provided to the Policy Board for their consideration when selecting projects for the final TIP. All comments made are provided in the comments disposition section (Appendix C).

3.5 TECHNICAL PROJECT EVALUATIONS

Various technical project evaluations are performed on the draft TIP for the purposes of assisting the Policy Board in selecting projects. These technical evaluations include the following:

- Compliance with federal planning factors;
- Detailed project evaluations, including consistency with relevant management system priorities;
- Consistency with the Oahu Regional Transportation Plan (ORTP);
- Consistency with the Oahu Regional Intelligent Transportation System (ITS) Architecture;
- Title VI (T6) and Environmental Justice (EJ) compliance; and
- Congestion Management Process (CMP) analyses.

The Technical Advisory Committee reviews the results of the technical evaluations prior to making a recommendation to the Policy Board.

3.6 PROJECT SELECTION

After reviewing the results of the agency consultations and the technical analyses, the Technical Advisory Committee makes a recommendation to the Policy Board regarding endorsement of the TIP. The Policy Board decides whether to endorse the TIP after considering and discussing the early project recommendations, public comments on the draft TIP, the results of the technical analyses, and the Technical Advisory Committee's recommendation. Following endorsement by the Policy Board, the TIP is also sent to the Governor's designee for approval. On June 17, 2015, Governor David Y. Ige re-designated the HDOT Director as the official responsible for approving the TIP and its amendments.

3.7 INCORPORATION OF THE TIP INTO THE STIP

Upon approval by the Policy Board and the Governor's designee, the TIP is incorporated, without change, as the Oahu element of the STIP.

3.8 FHWA AND FTA ACTION ON THE STIP

The TIP is jointly approved by FHWA and FTA as part of the STIP. The decision-making is dependent on the thoroughness and completion of the statewide transportation planning process used in developing the STIP, as required by federal code and regulation.

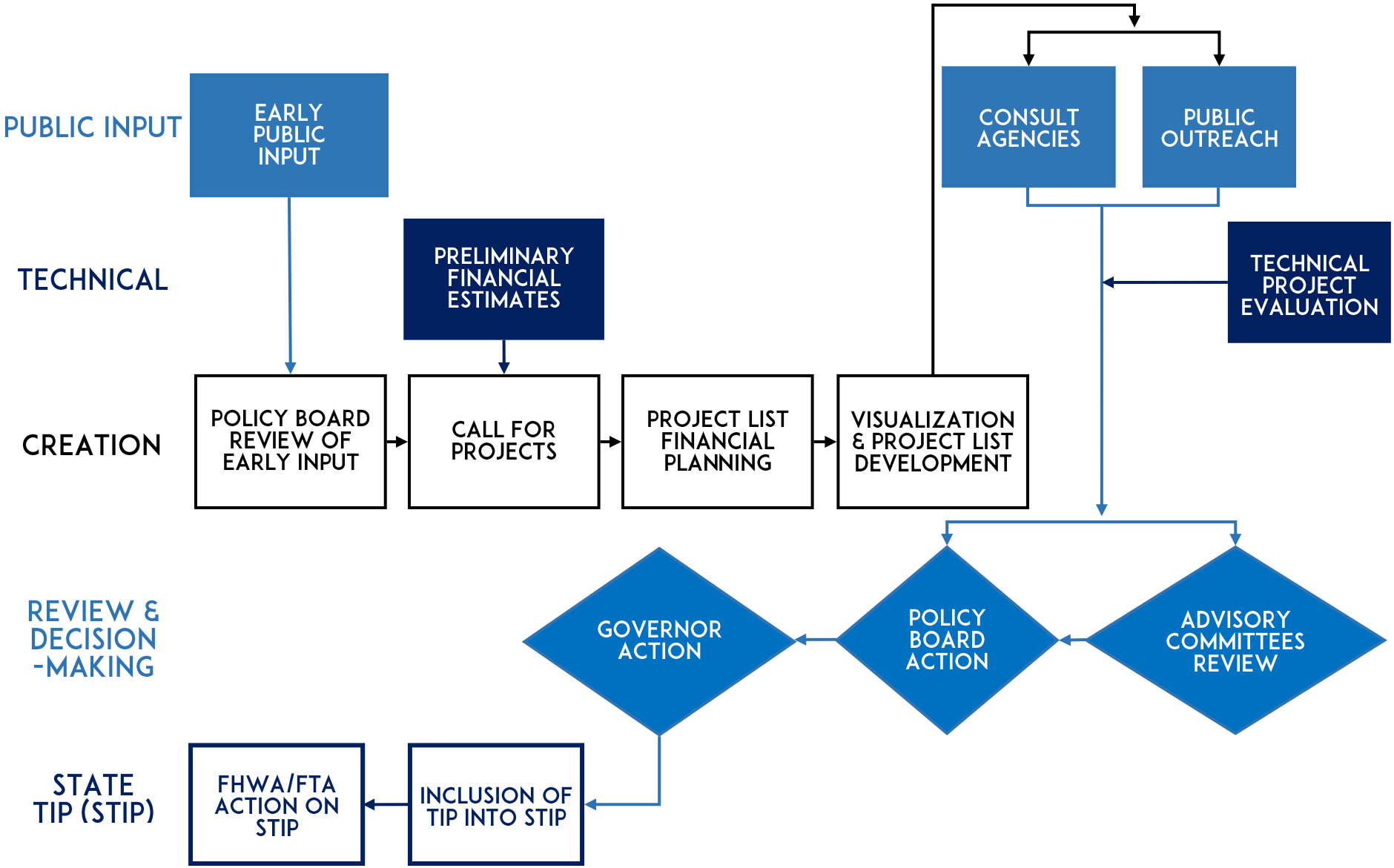


Figure 1. TIP Process.

4 REVISIONS

The TIP covers a period of no more than four years , and a new TIP will be adopted every four years. The TIP is frequently revised to reflect changes in project delivery schedules, changes in cost estimates and/or in scope, and changes in management systems and administrative priorities. These revisions are required to assure the efficient use of the annually-apportioned federal funds.

The following administrative provisions have been established to promote timely implementation and oversight of the TIP. A revision refers to a change to the TIP that occurs between triennial updates. A minor revision is an "administrative modification," while a major revision is an "amendment."

4.1 ADMINISTRATIVE MODIFICATIONS

Administrative modifications are minor revisions to the TIP. The Policy Board has identified two types of administrative modifications: pre-approved and expedited. These revisions do not require solicitation of public comment or re-demonstration of financial constraint. However, the following must be true:

- The administrative modifications must not affect the financial constraint of the TIP;
- The administrative modifications must not result in the addition or deletion of another project, including the deferral of a project to a year that is outside of the four-year TIP; and
- The affected project's implementing agency must concur with the actions.

4.1.1 Pre-approved Administrative Modifications

To prevent TIP procedures from becoming overly burdensome, federal regulations allow procedures for administrative modifications to be commensurate with its perceived impact. Recognizing the need to streamline the process for these minor changes, the Policy Board has pre-approved certain administrative modifications under the following circumstances:

- The sum of regular formula FHWA funds programmed for Oahu is not reduced; and
- The administrative modification does not change the design concept or scope of the project, or the prescribed environmental determination under the National Environmental Policy Act (NEPA) process.

The Policy Board is provided with copies of pre-approved administrative modifications.

[2] As defined in 23 CFR 450.104.

4.1.2 Expedited Administrative Modifications

Requests for expedited approval of administrative modifications are submitted directly to the Policy Board without prior review by the Technical Advisory Committee or solicitation of public comment.

4.2 AMENDMENTS

Amendments are revisions to the TIP that involve a major change to a project in the TIP. TIP amendments are submitted to the Technical Advisory Committee, the Policy Board, and the Governor's designee for action. Financial constraint is re-demonstrated, and the technical project evaluations are reevaluated. Public comments are also solicited based on the strategies and procedures outlined in the *OahuMPO Participation Plan*.

4.3 REVISION EXAMPLES

Table 1 (Pages 16-17) provides examples of administrative modifications and amendments.

Table 1. Examples of Administrative Modifications and Amendments.

Revision	A. Pre-Approved Administrative Modification	B. Expedited Administrative Modification	C. Amendment*
Project	1. Advancing a project from its programmed year if it is ready-to-go.** 2. Deferring a project to a later year within the current TIP if it is not ready-to-go as originally programmed. 3. Revising, clarifying, or expanding a project's description as long as the project's scope is not modified. 4. Splitting or grouping projects (e.g., guardrail replacement or bridge rehabilitation) as long as the scope remains unchanged, and the funding amounts stay within the guidelines in Table 2, C.8. 5. Adding or deleting projects from grouped listings as long as the funding amounts stay within the guidelines in Table 2, C.8. 6. Revising projects that are included in the TIP for illustrative purposes.	1. Changing the scope of a project to accommodate prescribed actions made under NEPA processes and requirements 2. Changing the size of revenue rolling stock (e.g., vans, 30' buses, 40' buses, 60' buses) if the change results in a change in the total carrying capacity by 20 percent or less. 3. Changing the quantity for revenue rolling stock that exceeds 20 percent (plus or minus) of the original quantity, if the change in quantity results in a change in the total carrying capacity by 20 percent or less.	1. Adding a project to the TIP. 2. Deleting a project from the TIP, including deferring a project to a year that is outside of the four-year TIP. 3. Modifying the design concept or design scope of a programmed project (e.g., changing the project termini or the number of through traffic lanes). 4. For projects programmed with FTA funds, a change in a project's scope is considered "major" if the change materially alters the objective or description of the project, or the size, type, or quantity of items. Examples include: a. Changing from replacement buses to expansion buses (and vice versa); b. Changing the size of revenue rolling stock (e.g., vans, 30' buses, 40' buses, 60' buses) if the change results in a change in the total carrying capacity by more than 20 percent. c. Changing the quantity for revenue rolling stock that exceeds 20 percent (plus or minus) of the original quantity, if the change in quantity results in a change in the total carrying capacity by more than 20 percent.

Revision	A. Pre-Approved Administrative Modification	B. Expedited Administrative Modification	C. Amendment
Project Phase***	7. Deleting or deferring a project phase to a year that is outside of the four-year TIP, as long as another phase of the project remains in the TIP and the project's scope is not modified.	4. Adding a project phase to an existing project, as long as the phase is estimated to be $3 million or less and the project's scope is not modified.	5. Adding a project phase to an existing project, if the phase is estimated to be more than $3 million. 6. Deferring a project phase to a year that is outside of the four-year TIP, when there are no other project phases in the TIP and the project's scope is modified.
Funding Source	8. Revising the source of federal funds designated for a project to reflect a different funding program administered by the same U.S. DOT operating agency (e.g., NHS to STP). 9. Changing a project's funding from federal to local or state funding. 10. Adding additional federal funding, such as congressional earmarks or discretionary funds, to a project currently included in the TIP.	5. Changing a project's funding from local or state funds to federal funds.	7. Switching from FTA to FHWA funds (and vice versa).
Cost Estimates	11. Revising the amount programmed for a project phase to reflect changes in cost estimates, as long as it does not meet the thresholds identified in Table 2, C.8.	6. Reducing the sum of regular formula FHWA funds programmed for Oahu.	8. Revising the amount programmed for a project phase, if all of these thresholds are met: a. The total estimated project cost, after the revision, exceeds $10 million; and b. The amount programmed for the federal portion of the project cost is increased by more than 50%; and c. The total estimated project cost is increased by more than $3 million.

FOOTNOTES

* Amendments include revisions that are not listed as administrative modifications.

** Projects must be "ready-to-go" in the year that they are programmed to be funded, as defined in 23 CFR 450.220(e). Projects must have cleared previous federal requirements, which include:

a. Construction projects must have FHWA-approved Plans, Specifications, and Estimates (PS&E).
b. For projects heading into construction, land for the project must also have already been acquired.
c. Design projects must have cleared all NEPA requirements.
d. Rights-of-Way acquisition cannot occur without clearing NEPA requirements.
e. All projects must also have the appropriate matching local funds in place.

*** For example, design or right-of-way, as defined in 23 CFR 450.324(e). Refer to Section 1.2.4 for a list of project phases.

5 TIP HISTORY

The FFYs 2015-2018 TIP was endorsed by the Policy Board in August 2014.

5.1 REVISION HISTORY

The revision documents are on the OahuMPO TIP webpage: http://www.oahumpo.org/plans-and- programs/transportation-improvement-program-tip/

The FFYs 2015-2018 TIP was revised twenty-one times through February 2018. Table 2 describes the Revisions for the reader's understanding.

Table 2. Revisions as of February 2018

Revision Number	Description
Pre-Approved Administrative Modifications	
1	January 2015: Deferred projects, refined project phasing, revised cost estimates.
4	May 2015: Deferred projects, revised cost estimates, revised funding categories.
7	February 2016: Deferred projects.
10	May 2016: Deferred projects, revised cost estimates, added funds, renamed phases.
13	January 2017: Redistributed funds, deferred projects, deleted one phase, raised cost estimates.
16	June 2017: Deferred projects, revised cost estimates, deleted project phase.
18	January 2018: Deferred projects, raised cost estimates, revised cost conversions/programming, renamed phases, extended/restructured phases, deleted one phase, withdrew one phase, enhanced one phase, revised project costs.
Expedited Administrative Modifications	
2	February 2015: Deferred projects, revised funding categories, and revised cost estimates.
5	July 2015: Deleted projects, added projects, revised cost estimates, and removed federal funds for projects.
8	February 2016: Deferred projects, deleted phases, and changed local funds to federal funds.
11	July 2016: Added ADVCON funding for illustrative years, decreased funding for two projects, renamed phases, added federal funds to one project.
14	January 2017: Redistributed funds, deferred projects, deleted one phase, raised cost estimates.
19	January 2018: Renamed phase, revised programming amount, and switched one project from local to federal funds.
Amendments	
3	February 2015: Change of scope, new projects, deferred projects, added phasing.
6	July 2015: Added and deleted phases, revised cost estimates, deleted one existing project, added new projects.
9	February 2016: Added and deleted projects, expanded project scope spatially, deferred projects.
15	July 2016: Added ADVCON funding for illustrative years, decreased funding for two projects, renamed phases, added federal funds to one project.
17	February 2016: Deferred projects and funding, increased project costs, deleted one project, created one project, and changed scope.
20	January 2018: Changed project scope, deferred and inflated funding, deleted one projects.
21	February 2018: One project added, seven deferred and deleted projects, and two project scope/design changed.

6 PROJECTS AS OF REVISION 21

6 PROJECTS AS OF REVISION 21

6.1 LIST OF PROJECTS

PROJECT NUMBER	Project Name (Sorted by Project name)	TOTAL AMOUNT PROGRAMMED (x1000) 2015	2016	2017	2018	FOR INFORMATION ONLY 2019	2020	Estimated Total Project Cost*
FHWA - Funding Projects								
State of Hawaii - Sponsored Projects								
OS1	Bridge and Pavement Improvement Program, Oahu	52,835	49,200	44,400	36,400	36,400	36,400	255,635
OS2	Farrington Highway (Route 93), Bridge Replacement Ulehawa Stream Bridge	0	0	0	0	603	8,490	9,093
OS3	Farrington Highway (Route 93), Bridge Replacement Maipalaoa Bridge	13,500	0	0	0	0	0	13,500
OS4	Farrington Highway (Route 93), Bridge Replacement, Makaha	0	0	0	1,170	0	22,000	23,170
OS66	Farrington Highway (Route 93), Corridor Study	0	0	500	0	0	0	500
OS5	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78)	0	7,120	0	11,580	0	740	19,440
OS57	Freeway Management System, Joint Traffic Management Center Operations (State)	0	0	0	350	350	350	1,050
OS9	Freeway Service Patrol	3,500	3,500	3,500	3,500	3,500	3,500	21,000
OS10	Guardrail and Shoulder Improvements, Various Locations	0	2,228	0	0	177	264	2,669
OS64	Honolulu Rail Transit Project - Highway Improvements	0	3,750	18,750	18,750	0	0	41,250
OS11	ITS Operation and Maintenance	285	285	285	285	285	285	1,710
OS12	Interstate Routes H-1, H-2, and H-201 Destination Sign Upgrade and Replacement	0	554	7,140	0	6,000	0	13,694
OS13	Interstate Route H-1, Bridge Rehabilitation, Kapalama Canal (Halona Street Bridge)	25	6,300	0	0	0	0	6,325
OS59	Interstate Route H-1, Eastbound Improvements, Waiawa Interchange to Halawa Interchange	0	900	0	0	0	0	900
OS56	Interstate Route H-1, Eastbound, Vineyard Boulevard On Ramp, Lusitana Street Connection	0	0	4,162	0	0	0	4,162

PROJECT NUMBER	Project Name (Sorted by Project name)	TOTAL AMOUNT PROGRAMMED (x1000) 2015	2016	2017	2018	FOR INFORMATION ONLY 2019	2020	Estimated Total Project Cost*
FHWA - Funding Projects								
State of Hawaii - Sponsored Projects								
OS14	Interstate Route H-1, Guardrail and Shoulder Improvements, Kapiolani Interchange to Ainakoa Avenue	0	0	11,000	0	0	0	11,000
OS15	Interstate Route H-1, Guardrail and Shoulder Improvements, Middle Street (Route 7415) to Punchbowl Street (Route 7516)	0	6,700	0	0	0	0	6,700
OS16	Interstate Route H-1, Highway Lighting Improvements, Kaimakani OP to Middle Street, Phase 1 - MP 1283 to 1600	0	0	0	7,446	0	0	7,446
OS17	Interstate Route H-1, Kapolei Interchange Complex	70,300	571	0	0	0	0	70,871
OS18	Interstate Route H-1, Pearl City and Waimalu Viaduct	0	0	0	0	0	25,200	25,200
OS67	Interstate Route H-1, Eastbound, Reconstruction and Repair, Waimalu Interchange to Halawa	0	0	90,500	0	0	0	90,500
OS20	Interstate Route H-1 Safety Improvement, Beginning of H-1 (Palailai Interchange) to Waiawa Overpass	0	0	0	4,120	0	0	4,120
OS22	Interstate Route H-3, Seismic Retrofit, Kuou Bridge and Halekou Interchange, Structures 1, 2 and 3	0	1,080	0	0	6,240	0	7,320
OS25	Kalanianaole Highway (Route 72) Improvements, Olomana Golf Course to Vicinity of Makai Pier (Phase I)	13,500	0	0	0	0	0	13,500
OS26	Kalanianaole Highway (Route 72) Improvements	0	3,876	0	0	7,000	0	10,876
OS27	Kamehameha Highway (Route 83) Bridge Rehabilitation, Makaua Stream Bridge	0	0	0	0	297	6,367	6,664
OS53	Kamehameha Highway (Route 83), Bridge Replacement,Hoolapa Stream Bridge	1,465	0	4,500	0	0	0	5,965
OS28	Kamehameha Highway (Route 83), Bridge Replacement, Kaipapau Stream Bridge	0	0	0	0	17,600	0	17,600
OS29	Kamehameha Highway (Route 83), Bridge Replacement, Kaluanui Stream Bridge	0	0	0	663	9,200	0	9,863
OS30	Kamehameha Highway (Route 83), Bridge Replacement, Kawela Stream Bridge	1,175	0	6,300	0	0	0	7,475
OS54	Kamehameha Highway (Route 99), Bridge Rehabilitation, Kipapa (Roosevelt) Stream	1,825	11,675	0	0	0	0	13,500
OS31	Kamehameha Highway (Route 83), Bridge Replacement, Laieloa Stream Bridge	0	0	0	208	9,740	0	9,948

PROJECT NUMBER	Project Name (Sorted by Project name)	TOTAL AMOUNT PROGRAMMED (x1000) 2015	2016	2017	2018	FOR INFORMATION ONLY 2019	2020	Estimated Total Project Cost*
FHWA - Funding Projects								
State of Hawaii - Sponsored Projects								
OS32	Kamehameha Highway (Route 83), Bridge Replacement, South Kahana Stream	0	0	0	1,040	27,050	0	28,090
OS34	Kamehameha Highway (Route 83), Bridge Replacement, Waiahole Bridge	0	0	0	0	585	15,000	15,585
OS35	Kamehameha Highway (Route 83), Bridge Replacement, Waikane Stream Bridge	0	0	0	0	281	11,000	11,281
OS36	Kamehameha Highway (Route 83), Bridge Replacement, Waipilopilo Stream Bridge	0	0	0	1,020	0	0	1,020
OS61	Kamehameha Highway (Route 83), Realignment, Vicinity of Kawailoa Beach	0	0	0	2,900	0	50	2,950
OS37	Kamehameha Highway (Route 83), Rockfall Protection at Waimea Bay, MP 54 to 552	0	0	0	0	0	0	0
OS55	Kamehameha Highway (Route 83) Safety Improvements, Kahana Valley Road to Kaaawa Bridge	0	1,632	0	0	0	0	1,632
OS51	Kamehameha Highway (Route 83), Safety Improvements, Kahekili Highway (Route 83) to Vicinity Of Waikane Valley Road	0	0	0	1,700	0	0	1,700
OS65	Kamehameha Highway (RTE 83) Shoreline Mitigation, Vicinity of Kualoa, Kaaawa, Punaluu and Hauula	0	100	0	0	10,400	0	10,500
OS39	Kamehameha Highway (Route 83), Shoreline Protection, Vicinity of Kaaawa	0	0	0	0	10,820	0	10,820
OS40	Kamehameha Highway (Route 83) Shoreline Protection, Vicinity of Punaluu	0	0	0	0	0	7,650	7,650
OS41	Kamehameha Highway (Route 83) Wetland Enhancement, Vicinity of Ukoa Pond	0	0	0	6,500	0	0	6,500
OS43	Leeward Bikeway, Phase II - Hawaiian Railway Society Train Station to Lualualei Naval Road	0	0	0	9,360	0	0	9,360
OS44	Moanalua Freeway (Route 78) and Interstate Route H-2, Guardrail and Shoulder Improvements	0	0	4,400	0	0	0	4,400
OS45	Moanalua Freeway (Route H-201), Highway Lighting Improvements	0	0	12,200	0	0	0	12,200
OS46	Moanalua Freeway (Route H-201), Highway Lighting Improvements	0	0	0	2,533	0	0	2,533
OS47	Moanalua Freeway (Route H-201) Seismic Retrofit, Puuloa Interchange, Ramp "A" and Puuloa Separation	0	0	0	0	0	0	0

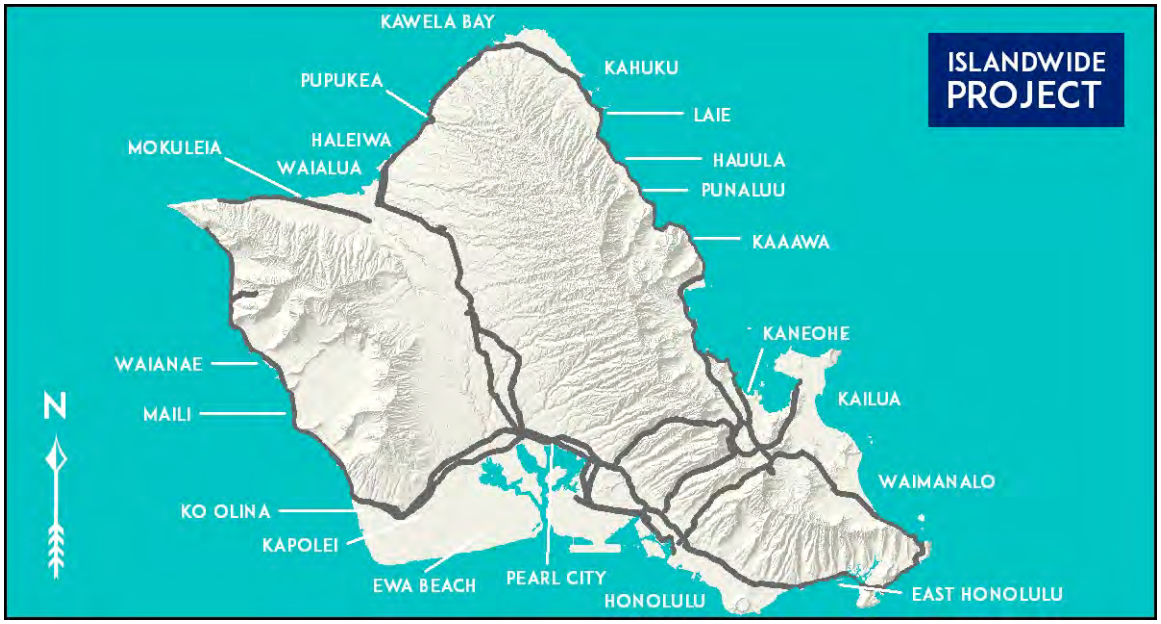
PROJECT NUMBER	Project Name (Sorted by Project name)	TOTAL AMOUNT PROGRAMMED (x1000) 2015	2016	2017	2018	FOR INFORMATION ONLY 2019	2020	Estimated Total Project Cost*
FHWA - Funding Projects								
State of Hawaii - Sponsored Projects								
OS62	Pali Highway (Route 61) Resurfacing & Lighting Improvements, Vineyard Blvd (Route 98) Kamehameha Highway (Route 83)	0	0	73,300	0	18,000	0	91,300
OS49	Recreational Trails Program - Oahu	359	359	359	359	359	359	2,154
OS52	Sand Island Access Rd (Route 64), Truck Weigh Station, Kapalama Container Terminal	0	265	0	8,160	0	0	8,425
OS63	Traffic Counting Stations at Various Locations (Oahu)	0	0	0	0	0	2,575	2,575
State of Hawaii - FHWA Total		158,769	100,095	281,296	118,044	164,887	140,230	963,321

PROJECT NUMBER	Project Name (Sorted by Project name)	TOTAL AMOUNT PROGRAMMED (x1000) 2015	2016	2017	2018	FOR INFORMATION ONLY 2019	2020	Estimated Total Project Cost*
FHWA - Funding Projects								
City and County of Honolului - Sponsored Projects								
OC1	Alapai Transportation Management Center	23,772	25,079	235	750	0	0	49,836
OC2	Bikeway Improvements Program	0	1	937	150	426	551	2,065
OC3	Bridge Inspection and Appraisal	900	900	526	900	1,000	1,000	5,226
OC4	Computerized Traffic Control System	0	0	0	313	500	4,529	5,342
OC27	Farrington Highway (Routes 7100 and 9107)	0	0	1,000	1,000	4,050	16,000	22,050
OC6	Kapolei Parkway (Route 8920) Extension	290	0	0	0	0	0	290
OC7	Makakilo Drive (Route 8810) Extension	0	0	1,500	1,570	0	0	3,070
OC23	Salt Lake Boulevard Widening	0	0	0	510	110	43,365	43,985
OC8	Traffic Improvements at Various Locations	450	0	350	3,410	3,966	1,603	9,779
OC9	Traffic Signal Optimization	0	0	0	101	491	260	852
OC10	Traffic Signals at Various Locations	3,938	274	3,520	4,064	2,886	4,209	18,891
OC25	Transportation Alternatives Program at Various Locations	0	1,000	4,411	1,500	3,389	1,000	11,300
OC26	Transportation Alternative Program (State)	0	1,899	0	0	0	0	1,899
OC11	Waipio Point Access Road (Route 7139) Improvements	158	0	0	0	0	0	158
City and County of Honolulu - FHWA Total		29,508	29,153	12,479	14,268	16,818	72,517	174,743
FHWA Total		188,277	129,248	293,775	132,312	181,705	212,747	1,138,064

PROJECT NUMBER	Project Name (Sorted by Project name)	TOTAL AMOUNT PROGRAMMED (x1000) 2015	2016	2017	2018	FOR INFORMATION ONLY 2019	2020	Estimated Total Project Cost*
FTA - Funding Projects								
State of Hawaii - Sponsored Projects								
OS50	Transportation Assistance for Elderly and Disabled	482	497	512	529	546	564	3,130
OS68	State Safety Oversight Program	0	0	875	281	290	299	1,745
State of Hawaii - FTA Total		482	497	1,387	810	836	863	4,875
FTA - Funding Projects								
City and County of Honolulu - Sponsored Projects								
OC12	Agency-Provided Trips	1,579	2,018	2,259	3,100	3,223	3,352	15,531
OC13	Bus and Handi-Van Acquisition Program	28,798	22,617	5,266	24,245	33,086	25,869	139,881
OC14	Bus Stop ADA Access and Site Improvements	898	895	495	1,040	598	598	4,524
OC15	Bus Stop Site Improvements	1,832	0	0	0	0	0	1,832
OC24	Capital Training	25	25	25	26	26	27	154
OC16	Honolulu Rail Transit Project	0	0	18,827	2,499,734	0	0	2,518,561
OC17	Local Shuttle Service	204	204	260	270	280	291	1,509
OC19	Mobility Management	349	407	0	0	458	476	1,690
OC22	Pedestrian Transit Connections	1,386	0	0	0	0	0	1,386
OC20	Preventive Maintenance	41,638	41,638	0	86,000	31,250	31,250	231,776
OC21	Transit Safety and Security Projects	416	359	78	683	392	396	2,324
City and County of Honolulu - FTA Total		77,125	68,163	27,210	2,615,098	69,313	62,259	2,919,168
FTA Total		77,607	68,660	28,597	2,615,908	70,149	63,122	2,924,043

6.2 PROJECT INFORMATION SHEETS

OS1 Bridge and Pavement Improvement Program, Oahu



Project Description:
This is an ongoing islandwide program for the system maintenance of highway bridges and pavements. The Special Maintenance Program (SMP) is a program that funds individual repair or maintenance projects that do not normally occur annually. SMP funds have funded resurfacing, pavement, and bridge preservation projects (System Preservation). Work may include bridge and/or pavement reconstruction, resurfacing, restoration, rehabilitation, and/or preservation. Yearly lump sum amounts represent total SMP State funding levels anticipated for the Oahu program. The current list of prioritized proposed SMP projects, for Oahu, has been posted on the OahuMPO website at: http://www.oahumpo.org/plans-and-programs/transportation-improvement-program-tip/. Qualified and priority SMP projects could receive federal funds should they become available.

Mile Post/s: Not applicable

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: http://hidot.hawaii.gov/highways/other/other-related-links/stip/ and http://www.oahumpo.org/plans-and-programs/transportation-improvement-program-tip/

Neighborhood(s): Various Locations

Estimated Total Project Cost: $237,800,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000).

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
Bridge and Pavement Improvement Program, Oahu																			
CON	20,584	0	20,584	33,200	0	33,200	25,400	0	25,400	36,400	0	36,400	36,400	0	36,400	36,400	0	36,400	Local Only
Farrington Highway (Route 93) Resurfacing Kili Street to Satellite Tracking Station																			
CON	0	0	0	16,000	12,800	3,200	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Kalihi Street (Route 63) Resurfacing: Nimitz Highway to School Street (MP 0 - 1.15)																			
CON	0	0	0	0	0	0	9,000	1,300	7,700	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	3,900	-3,900	0	2,000	-2,000	0	0	0	NHPP
Kamehameha Highway (Route 83) Resurfacing. Dairy Road to Laiwai Bridge, MP 9.72 to MP 17.66																			
CON	14,551	1,835	12,716	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	10,000	-10,000	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Likelike Highway (Route 63) Resurfacing School Street to Emmeline Place																			
CON	17,700	14,600	3,100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Mokapu Saddle Road Resurfacing, Nanamoana Street to Oneawa Street																			
CON	0	0	0	0	0	0	10,000	8,000	2,000	0	0	0	0	0	0	0	0	0	NHPP

OS2 Farrington Highway (Route 93), Bridge Rehabilitation, Ulehawa Stream Bridge

Project Description:
Rehabilitate the existing bridge to meet current design standards. The bridge will be widened, lengthened, have bridge railings installed that will redirect errant vehicles, have wider shoulders for pedestrians and bicycles, and be strengthened to accommodate present day vehicular loads. The rehabilitated bridge will provide a safer and more efficient facility to residents and visitors who utilize Farrington Highway in the vicinity of Nanakuli. The rehabilitated bridge will decrease the annual operation and maintenance costs for HDOT.

Mile Post/s: MP 6.21 to MP 6.58

Complete Streets (CS):

Project will implement: Bridge will be strengthened and have wider shoulders for pedestirans and bicycles.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Waianae Coast

Estimated Total Project Cost: $10,500,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

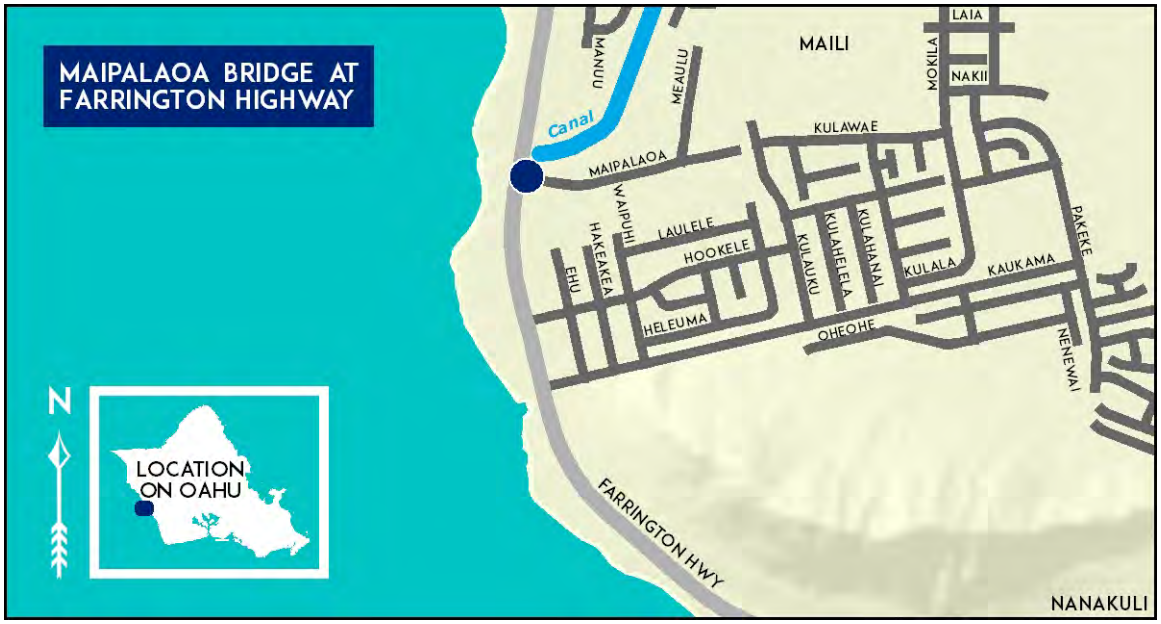
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
ROW	0	0	0	0	0	0	0	0	0	0	0	0	603	482	121	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8,490	6,792	1,698	NHPP

OS3 Farrington Highway (Route 93), Bridge Replacement, Maipalaoa Bridge



Project Description:
Replace the existing bridge with a concrete structure that meets current design standards. The new structure will include bridge railings.

Mile Post/s: MP 8.26 to MP 8.45

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Nanakuli-Maili

Estimated Total Project Cost: $16,560,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

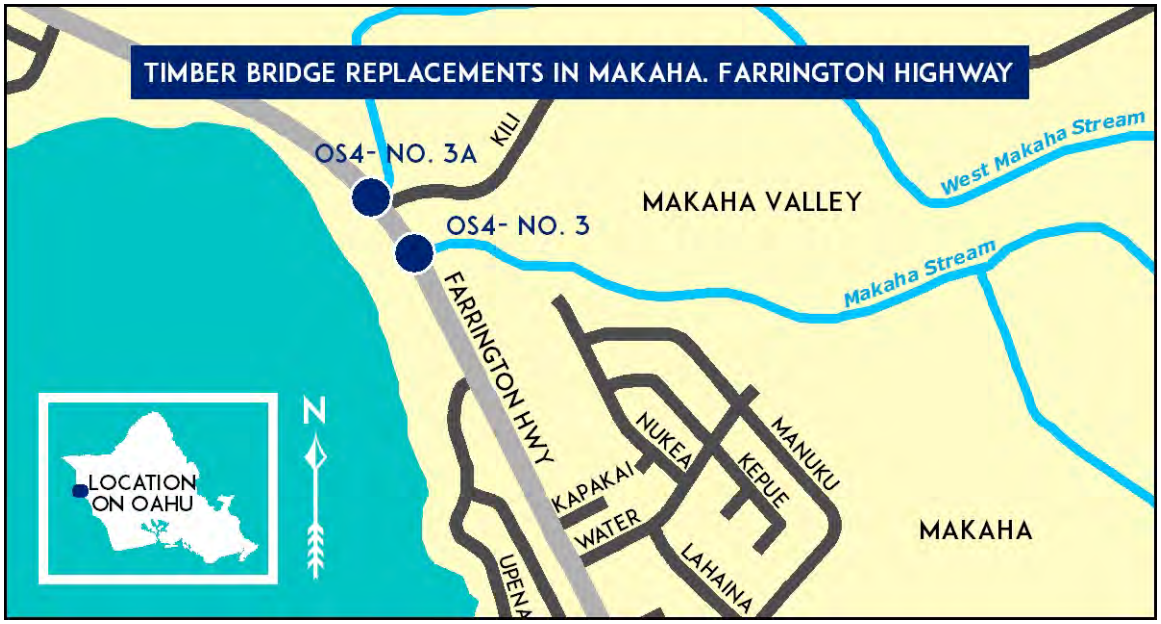
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
CON	13,500	4,800	8,700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	6,000	-6,000	0	0	0	0	0	0	0	0	0	0	0	0	NHPP

OS4 Farrington Highway (Route 93), Bridge Replacement, Makaha Bridges #3 & #3A



Project Description:
Replace two timber bridges in the vicinity of Makaha Beach Park. For both bridges, the scope incudes widening the paved shoulders on the makai side from 3 feet to 10 feet; and, widening the mauka side from 1 foot to 10 feet. This is to accommodate bicyclists and pedestrians.

Mile Post/s: MP 14.20 to MP 14.10

Complete Streets (CS):

Project will implement: Shared-use paths of 10 feet or greater width

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Waianae Coast

Estimated Total Project Cost: $25,200,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

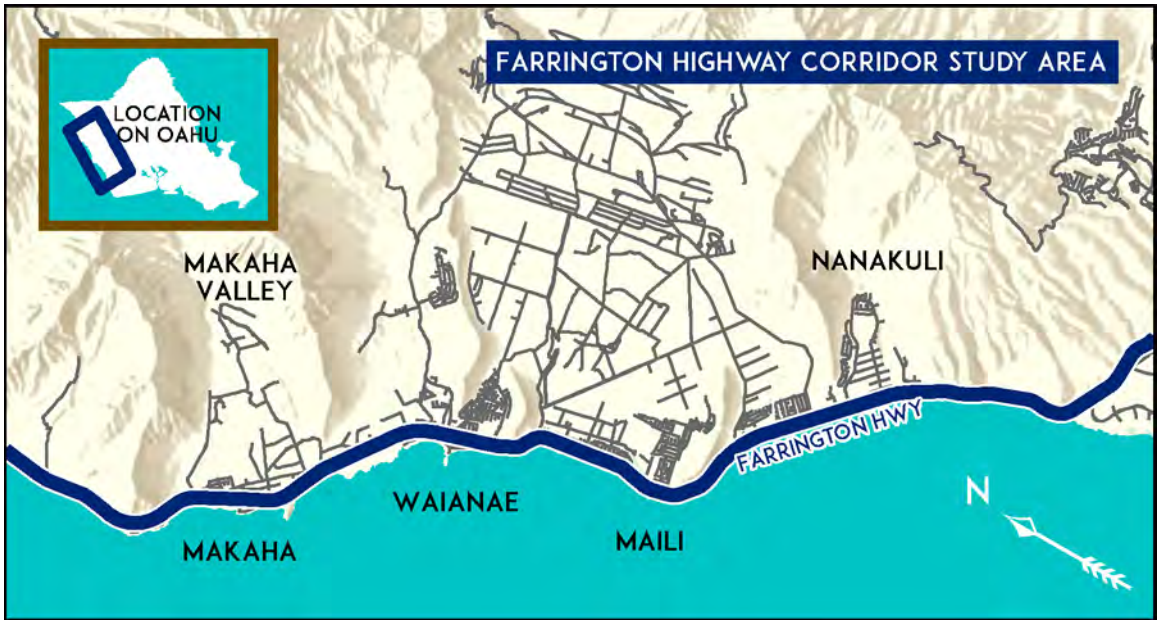
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000).

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
ROW	0	0	0	0	0	0	0	0	0	1,170	936	234	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22,160	7,760	14,400	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP

OS66 Farrington Highway (Route 93) Corridor Study



Project Description:
Conduct a corridor/feasibility study of the Nanakuli, Maili, Waianae, and Makaha corridor on the island of Oahu with the objective of identifying recommendations to provide a second access into and out of the area, reducing congestion, increasing capacity, and improving safety.

Mile Post/s:

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Waianae Coast, Nanakuli-Maili

Estimated Total Project Cost: $500,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

													FOR INFORMATION ONLY						
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
PLN	0	0	0	0	0	0	500	400	100	0	0	0	0	0	0	0	0	0	Re-Purposed Earmarks

OS5 Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Route H-201 & 78)

Project Description:
The project consists of the installation of closed-circuit television (CCTV) cameras, vehicle detectors, cabinets, and communication equipment on the Interstate H-1, H-2, and Moanalua Freeway. Minor interior modifications of the Interstate Route H-3 Control Center will also be done to accommodate system improvements. This project will be implemented in phases.

The Freeway Management System's System Manager will assist the State with managing and guiding the Intelligent Transportation System (ITS) program. This incudes software development, equipment procurement assistance, acceptance testing, performance monitoring, and strategic planning.

Mile Post/s: Queen Liliuokalani Freeway: MP 0.00 to MP 27.16, Veterans Memorial Freeway: MP 0.00 to MP 8.33, John A. Burns Freeway: MP 0.00 to MP 15.32

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: $200,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

OS5 Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Route H-201 & 78)

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
Phase 1C - Part 2																			
ADVCON	0	5,000	-5,000	0	1,200	-1,200	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Phase 1C - Part 3																			
CON	0	0	0	5,100	4,080	1,020	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Phase 2A																			
CON	0	0	0	0	0	0	0	0	0	10,200	200	10,000	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	4,960	-4,960	0	3,000		NHPP
Phase 3																			
PE1	0	0	0	0	0	0	0	0	0	1,380	1,104	276	0	0	0	0	0	0	NHPP
PE2	0	0	0	0	0	0	0	0	0				0	0	0	740	592	148	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
System Manager																			
OPR	0	0	0	2,020	1,616	404	0	0	0	0	0	0	0	0	0	0	0	0	NHPP

OS57 Freeway Management System, Joint Traffic Management Center Operations (State)

Project Description:
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.

Mile Post/s:

Complete Streets (CS):

Project will implement:

Existing Feature/s:

Project Website: http://www.honolulu.gov/jtmc

Neighborhood(s): Ala Moana-Kakaako

Estimated Total Project Cost: $1,400,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000).

													FOR INFORMATION ONLY						
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
OPR	0	0	0	0	0	0	0	0	0	350	280	70	350	280	70	350	280	70	NHPP

OS9 Freeway Service Patrol

Project Description:
Operate roving service patrols along the Interstate H-1, Moanalua Freeway, and Interstate H-2. Services include towing of disabled vehicles; removing debris; providing basic fire extinguisher use; deploying traffic control devices; assisting the Honolulu Police Department, Honolulu Fire Department, and Emergency Medical Services at crash scenes and other incidents; assisting sick or injured motorists with basic first aid; and notifying 911 of incidents.

Mile Post/s: Queen Liliuokalani Freeway: MP 5.37 to MP 27.16,
Veterans Memorial Freeway: MP 0.00 to MP 2.46,
Moanalua Freeway: MP 0.00 to MP 4.09

Complete Streets (CS):

Project will implement: Not applicable

Existing Feature/s: Not applicable

Project Website: http://www.fsphawaii.com

Neighborhood(s): Various Locations

Estimated Total Project Cost: $21,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Funding Category
OPR	3,500	3,150	350	3,500	3,150	350	3,500	3,150	350	3,500	3,150	350	3,500	3,150	350	3,500	3,150	350	NHPP

OS10 Guardrail and Shoulder Improvements, Various Locations

Project Description:
Install and upgrade guardrails to bridge end post connections, bridge railing, guardrail end terminals, crash attenuators, miscellaneous drainage, and other appurtenant improvements.

Mile Post/s: Not applicable

Complete Streets (CS):

Project will implement: Install various safety features including guardrails and crash attenuators

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: $10,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

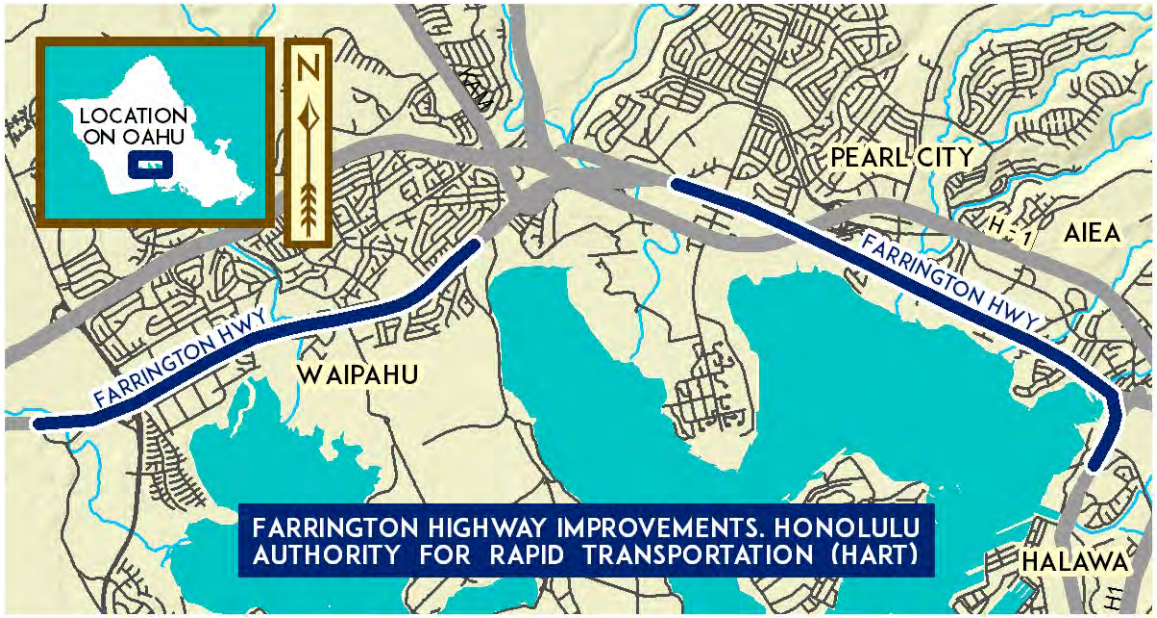
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
Phase 1																			
CON	0	0	0	2,228	1,782	446	0	0	0	0	0	0	0	0	0	0	0	0	HSIP
Phase 2																			
PE1	0	0	0	0	0	0	170	136	34	0	0	0	0	0	0	0	0	0	HSIP
PE2	0	0	0	0	0	0	0	0	0	90	72	18	0	0	0	0	0	0	HSIP
CON	0	0	0	0	0	0	0	0	0	3,121	2,497	624	0	0	0	0	0	0	HSIP
Phase 3																			
PE1	0	0	0	0	0	0	0	0	0	160	128	32	0	0	0	0	0	0	HSIP
PE2	0	0	0	0	0	0	0	0	0	0	0	0	90	72	18	0	0	0	HSIP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,000	2,400	600	HSIP

OS64 Honolulu Rail Transit Project - Highway Improvements



Project Description:
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 Kamehemeha Highway (Route 99 from Acacia Road to Aloha Stadium) Guideway construction corridors.

Mile Post/s:

Complete Streets (CS):

Project will implement:

Existing Feature/s:

Project Website: http://www.honolulutransit.org

Neighborhood(s): Makakilo-Kapolei-Honokai Hale, Ewa, Wahiawa, Pearl City

Estimated Total Project Cost: $41,250,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

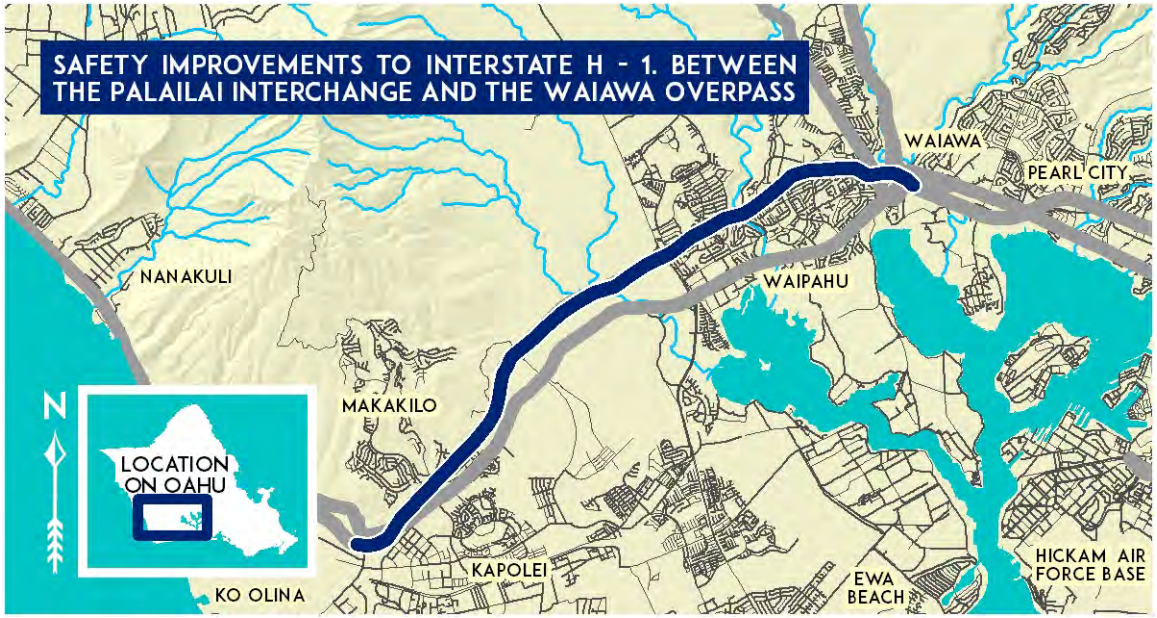
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Honolulu Authority for Rapid Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
CON	0	0	0	3,750	3,000	750	18,750	15,000	3,750	18,750	15,000	3,750	0	0	0	0	0	0	STP Flex

OS20 Interstate Route H-1 Safety Improvement, Beginning of H-1 (Palailai Interchange) to Waiawa Overpass



Project Description:
Scope includes, but is not limited to: Installation of milled rumble strips on shoulders; reconstruction of paved shoulders; pavement markings; and signing.

Mile Post/s: Queen Liliuokalani Freeway: MP 0.00 to MP 9.00

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Makakilo-Kapolei-Honokai Hale, Ewa, Waipahu

Estimated Total Project Cost: $4,500,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

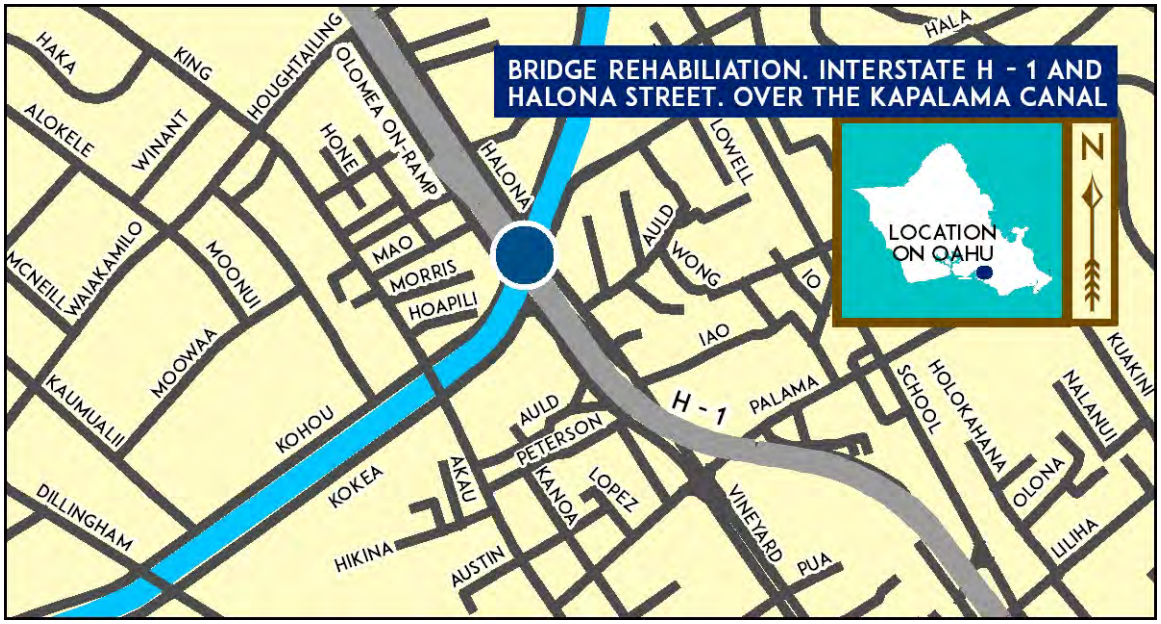
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

													FOR INFORMATION ONLY						
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
CON	0	0	0	0	0	0	0	0	0	4,120	296	3,824	0	0	0	0	0	0	HSIP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	3,000	-3,000	0	0	0	HSIP

OS13 Interstate Route H-1, Bridge Rehabilitation, Kapalama Canal (Halona Street Bridge)



Project Description:
Rehabilitate the existing bridge.

Mile Post/s: MP 15.21 to MP 35.31

Complete Streets (CS):

Project will implement: Strengthen bridge to accommodate present-day vehicular load.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Kalihi-Palama

Estimated Total Project Cost: $6,200,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

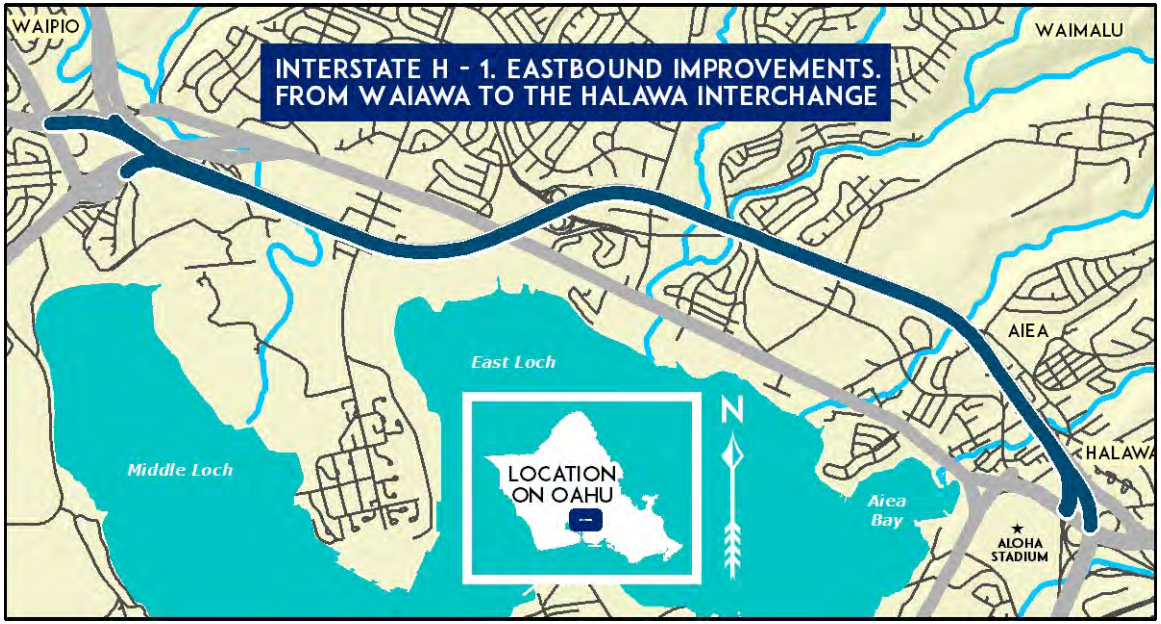
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
ROW	25	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	6,300	5,040	1,260	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP

OS59 Interstate Route H-1, Eastbound Improvements, Waiawa Interchange to Halawa Interchange



Project Description:
Capacity improvements through the defined limits, which could include adding a through lane and/or improving ramps and shoulders.

Mile Post/s:

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): H-1 Travel Corridor

Estimated Total Project Cost: $90,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

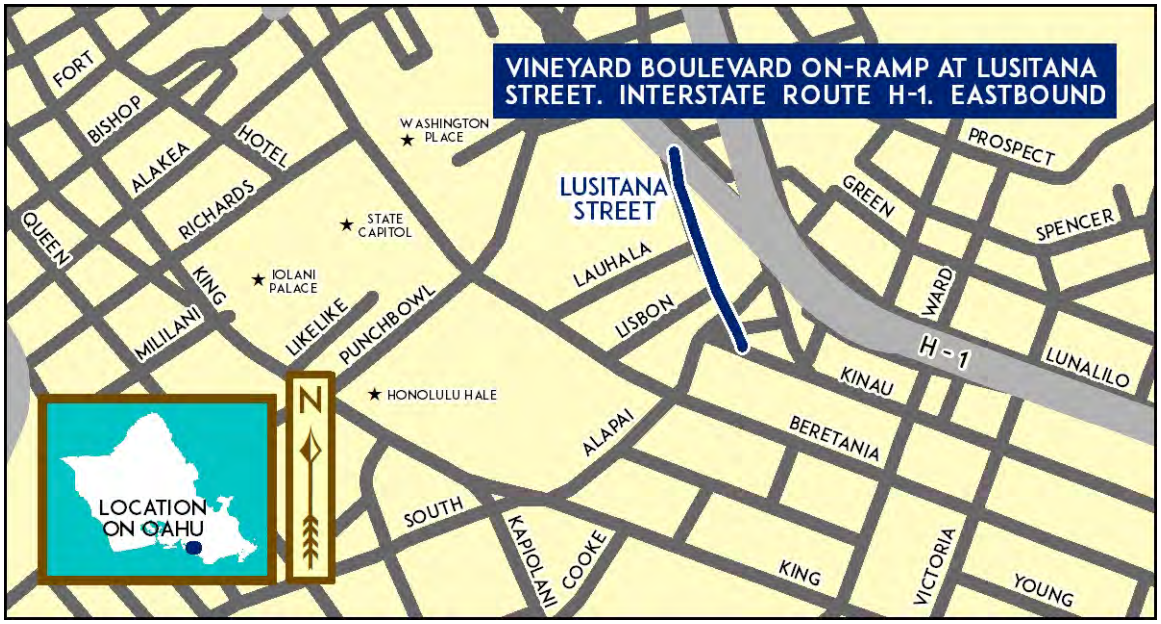
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
DES	0	0	0	900	0	900	0	0	0	0	0	0	0	0	0	0	0	0	Local Only

OS56 Interstate Route H-1, Eastbound, Vineyard Boulevard On Ramp, Lusitana Street Connection



Project Description:
Scope includes, but is not limited to: Installation of a traffic signal and curb ramps at the intersection of Lusitana Street and Lauhala Street; installation of a right turn only lane from Lusitana Street onto the Vineyard Boulevard On-Ramp to the H-1 Freeway in the eastbound direction; relocation of existing highway lighting, drainage, water, electric, fiber optic, telephone, cable tv, and gas systems; installation of a glare screen along Kinau Street in vicinity of Kinau Off-Ramp; and installation of pavement markings and signing.

Mile Post/s:

Complete Streets (CS):

Project will implement:

Existing Feature/s:

Project Website: None

Neighborhood(s): Nuuanu-Punchbowl

Estimated Total Project Cost: $5,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

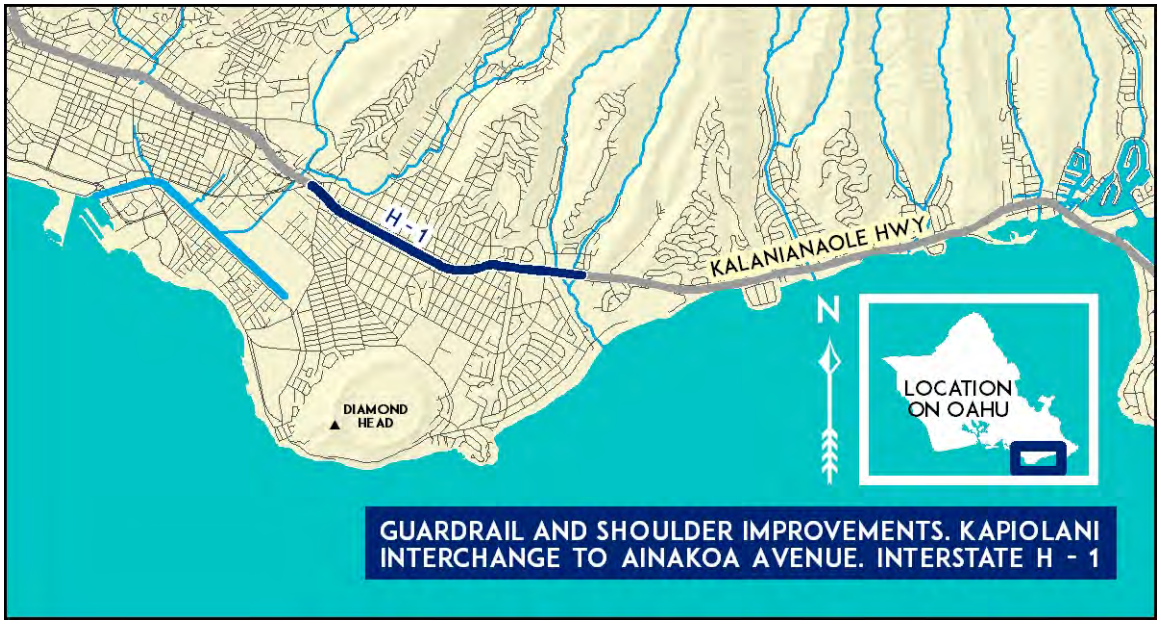
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Funding Category
CON	0	0	0	0	0	0	4,162	2,300	1,862	0	0	0	0	0	0	0	0	0	IM Discret

OS14 Interstate Route H-1, Guardrail and Shoulder Improvements, Kapiolani Interchange to Ainakoa Avenue



Project Description:
Install and/or upgrade existing guardrails, crash cushions, and concrete barriers to meet current standards.

On Westbound Kalanianaole Highway, just before the Ainakoa Intersection, the shoulder and bike lane tapers off until it disappears at Ainakoa. To the west on H-1, and on the off-ramp to below the viaduct towards Kahala Mall, a shoulder and bike lane reappears. The project will close that gap in the bike lane, by taking space from themedian on H-1.

Mile Post/s: MP 25.24 to MP 27.16

Complete Streets (CS):

Project will implement: Upgrade safety features including guardrails, crash cushions, and concrete barriers.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Diamond Head-Kapahulu-St. Louis Heights, Kaimuki, McCully-Moiliili, Waialae-Kahala

Estimated Total Project Cost: $12,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
CON	0	0	0	0	0	0	11,000	0	11,000	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	3,000	-3,000	0	5,800	-5,800	0	0	0	NHPP

OS15 Interstate Route H-1, Guardrail and Shoulder Improvements, Middle Street to Punchbowl Street

Project Description:
Install and/or upgrade existing guardrails, crash cushions, and concrete barriers to meet current standards.

Mile Post/s: MP 19.45 to MP 22.48

Complete Streets (CS):

Project will implement: Upgrade safety features including guardrails, crash cushions, and concrete barriers.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Kalihi-Palama, Downtown, Nuuanu-Punchbowl

Estimated Total Project Cost: $7,500,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

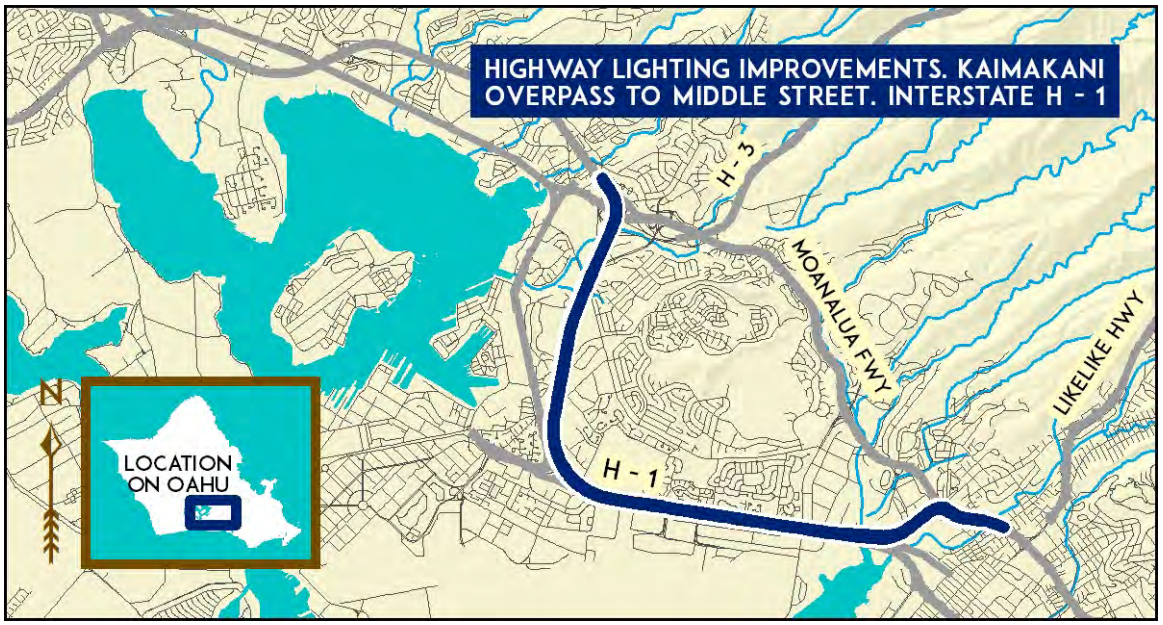
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Funding Category
CON	0	0	0	1,340	1,072	268	0	0	0	0	0	0	0	0	0	0	0	0	HSIP
CON	0	0	0	5,360	288	5,072	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	4,000	-4,000	0	0	0	0	0	0	0	0	0	NHPP

OS16 Interstate Route H-1, Highway Lighting Improvements, Kaimakani OP to Middle Street, Phase I



Project Description:
Upgrade/replace existing freeway lighting. Phase 1 will cover improvements from Kaimakani Overpass (milepost 12.83) to the Airport Interchange (milepost 16.00), approximately. A future Phase 2 will cover improvements for the remainder of the limits from approximately the Airport Interchange (milepost 16.00) to Middle Street.

Mile Post/s: MP 12.83 to MP 16.00

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Aiea, Airport, Kalihi-Palama, Aliamanu-Salt Lake-Foster Village

Estimated Total Project Cost: $15,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

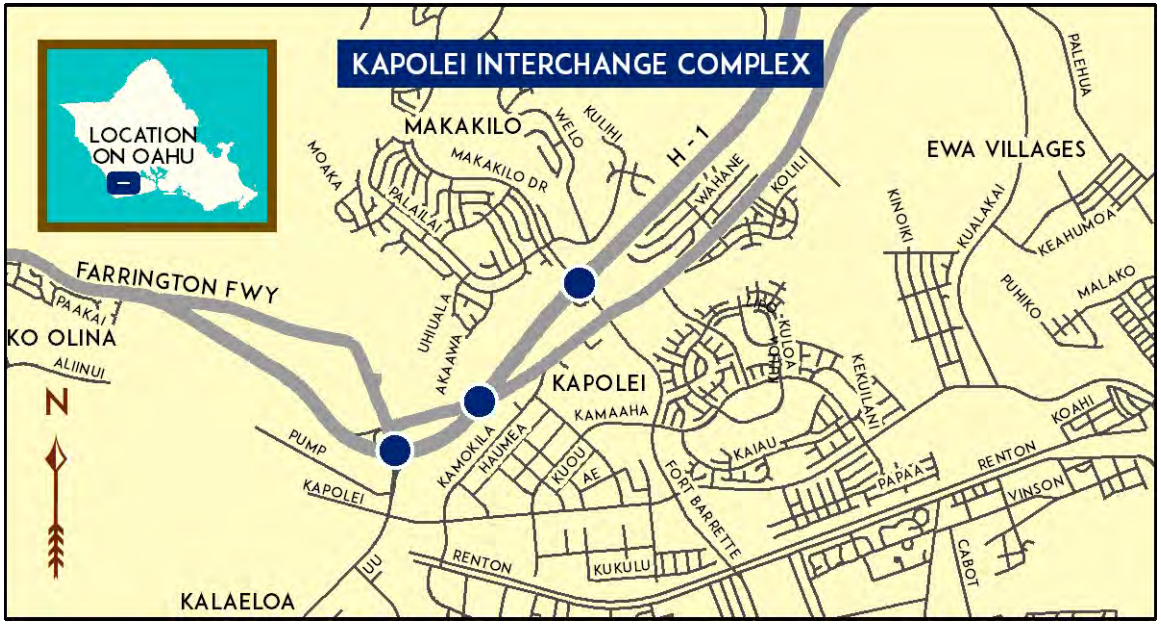
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
Phase 1																			
CON	0	0	0	0	0	0	0	0	0	7,446	100	7,346	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	3,857	-3,857	0	2,000	-2,000	NHPP

OS17 Interstate Route H-1, Kapolei Interchange Complex



Project Description:
Phase 2 will complete the construction of the Wakea Street Separation and its associated ramps. Phases 3 and 4 involve completing the Kapolei Interchange Complex, including completing construction of the Palailai and Makakilo Interchanges.

Mile Post/s: MP 0.34 to MP 0.79

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Makakilo-Kapolei-Honokai Hale

Estimated Total Project Cost: $139,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

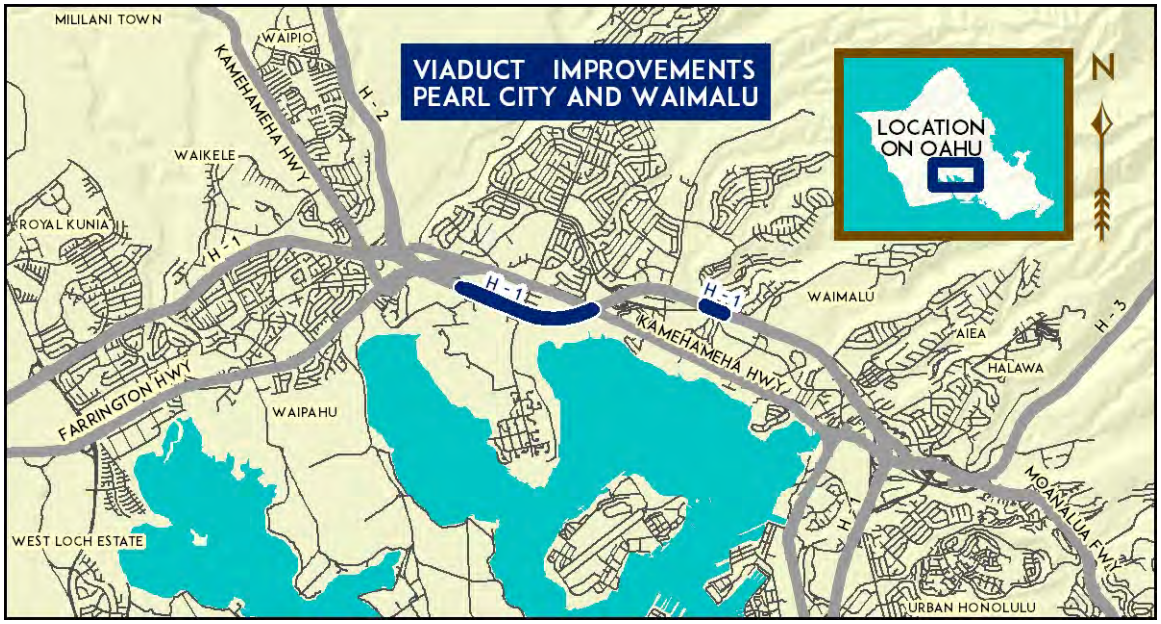
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of dollars USD (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
Phase 2																			
CON	4,800	4,300	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	IM Discret
CON	65,500	41,200	24,300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	3,000	-3,000	0	4,400	-4,400	0	10,600	-10,600	0	0	0	0	0	0	NHPP
Phase 3																			
DES	0	0	0	571	0	571	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ROW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP

OS18 Interstate Route H-1, Pearl City and Waimalu Viaducts



Project Description:
Replace, repair, and/or strengthen the Pearl City and Waimalu Viaduct concrete deck and other structural components, including guardrails. Project will be implemented in 5 phases.

Mile Post/s: Queen Liliuokalani Freeway: MP 9.22 to MP 10.32 and MP 11.25 to MP 11.49

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Pearl City, Aiea, Waipahu

Estimated Total Project Cost: $100,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

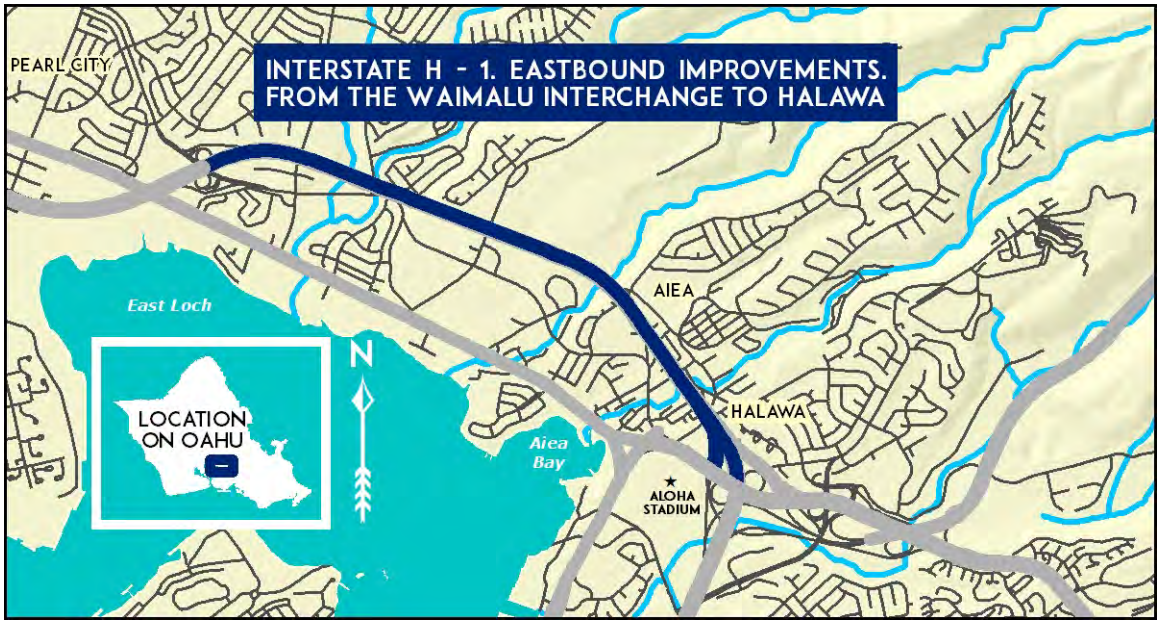
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Funding Category
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25,200	8,000	17,200	NHPP

OS67 Interstate Route H-1, Eastbound, Reconstruction and Repair, Waimalu Interchange to Halawa



Project Description:
Rehabilitate or reconstruct Portland concrete pavement. Widen to improve shoulders and travelway.

Mile Post/s:

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Pearl City, Aiea

Estimated Total Project Cost: $93,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

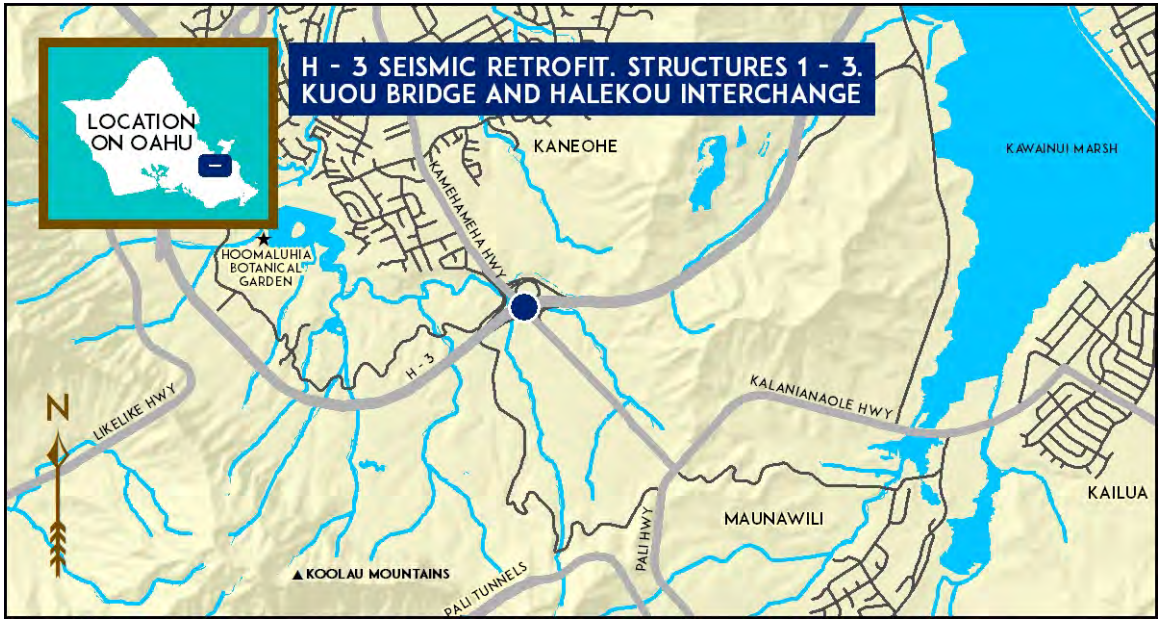
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
PE2/CON	0	0	0	0	0	0	90,500	13,000	77,500	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	14,400	-14,400	0	24,000	-24,000	0	20,000	-20,000	NHPP

OS22 Interstate Route H-3, Seismic Retrofit, Kuou Bridge and Halekou Interchange, Structures 1, 2 and 3



Project Description:
Retrofit interchange structures to meet current seismic standards.

Mile Post/s: H-3 Freeway and the John A. Burns Freeway: MP 10.75

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s):

Estimated Total Project Cost: $7,320,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
DES	0	0	0	1,080	864	216	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	6,240	4,992	1,248	0	0	0	NHPP

OS12 Interstate Routes H-1, H-2, and H-201 Destination Sign Upgrade and Replacement

Project Description:
Replace and/or upgrade the existing destination signs and sign support structures on Interstate Routes H-1, H-2, and H-201.

Mile Post/s: Lunalilo Freeway and Moanalua Freeway: MP 4.10 to MP 26.60

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: $17,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

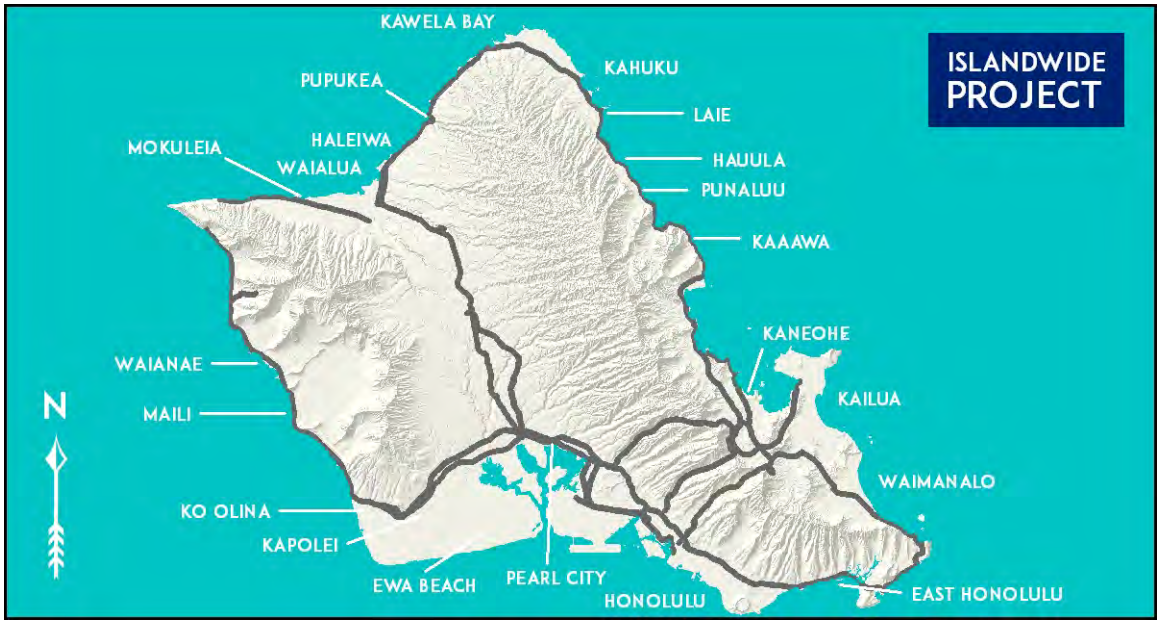
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000).

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
Phase 2																			
CON	0	0	0	0	0	0	7,140	2,712	4,428	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	2,000	-2,000	0	1,000	-1,000	0	0	0	NHPP
Phase 3																			
DES	0	0	0	554	499	55	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	6,000	5,400	600	0	0	0	NHPP

OS11 ITS Operation and Maintenance



Project Description:
Annual costs to operate and maintain the ongoing and existing ITS program. This includes costs for the operation and maintenance of CCTVs and vehicle detection equipment. This also includes costs for telecommunication and server hosting services.

Mile Post/s: Queen Liliuokalani Freeway: MP 0.00 to MP 27.16,
Veterans Memorial Freeway: MP 0.00 to MP 8.33,
John A. Burns Freeway: MP 0.00 to MP 15.32

Complete Streets (CS):

Project will implement: Not applicable
Existing Feature/s: Not applicable

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: $1,700,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

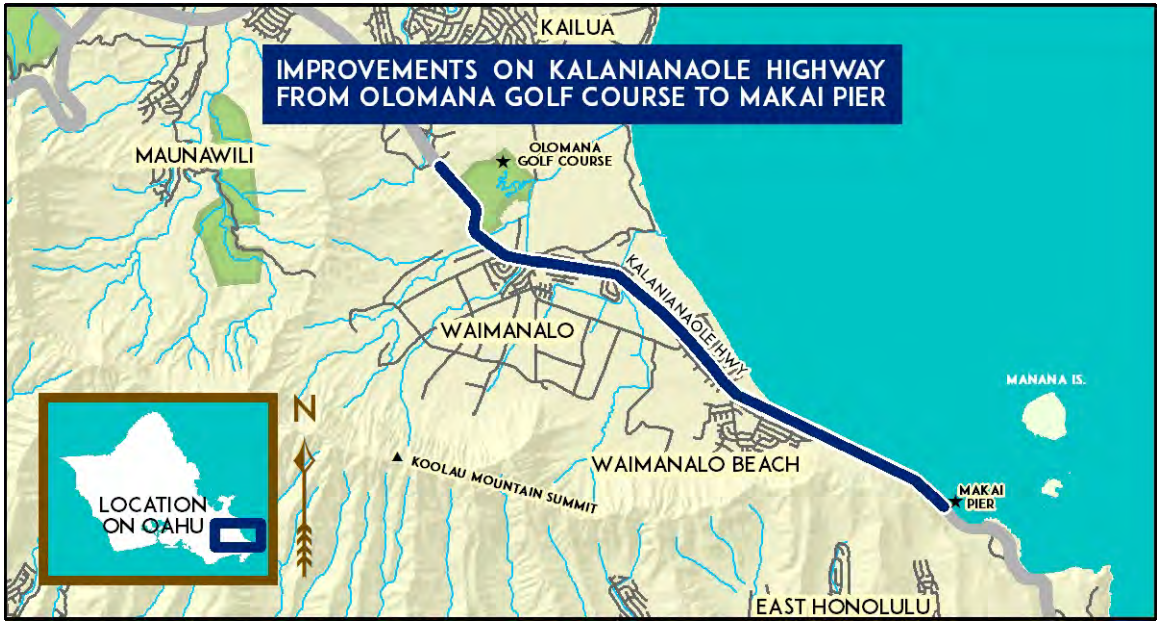
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Funding Category
OPR	285	255	30	285	255	30	285	255	30	285	255	30	285	255	30	285	255	30	NHPP

OS25 Kalanianaole Highway (Route 72) Improvements, Olomana Golf Course to Vicinity of Makai Pier (Phase I)



Project Description:
Construct traffic operational and safety improvements on Kalanianaole Highway, from Olomana Golf Course to Poalima Street. Project includes turning lanes, bus pullouts, and lighting improvements.

Mile Post/s: Kalanianaole Highway: MP 2.58 to MP 3.35

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Waimanalo, Kailua

Estimated Total Project Cost: $50,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

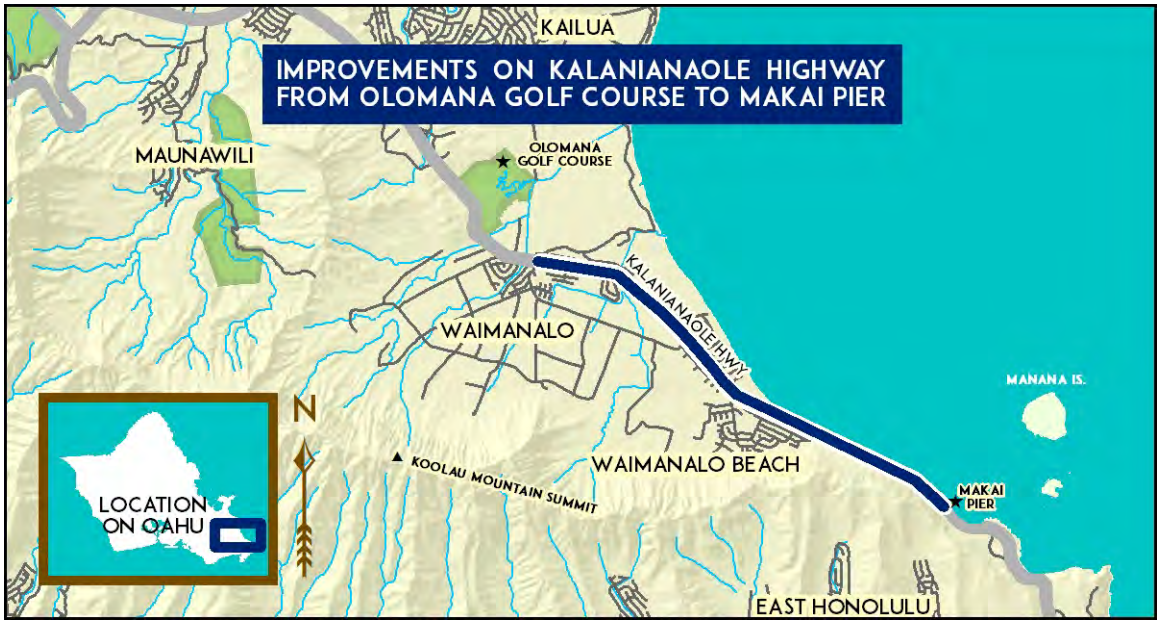
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Funding Category
CON	13,500	10,800	2,700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP

OS26 Kalanianaole Highway (Route 72) Improvements, Olomana Golf Course to Vicinity of Makai Pier



Project Description:
Develop top Short Term Capacity/Congestion improvements in the Final H-1 Corridor Improvement Study

Mile Post/s:

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): H-1 Travel Corridor

Estimated Total Project Cost: $15,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

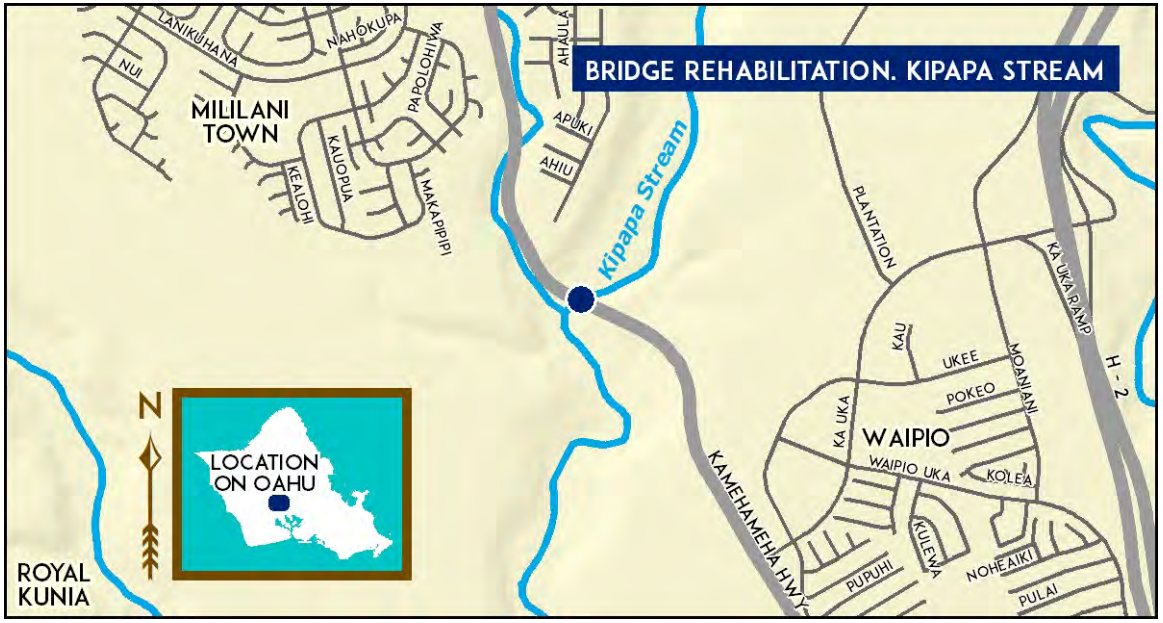
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
Phase 2 Resurfacing - Poalima Street to Huli Street																			
DES	0	0	0	3,876	3,101	775	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	2,750	2,200	550	0	0	0	Earmark HP
CON	0	0	0	0	0	0	0	0	0	0	0	0	4,250	1,400	2,850	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,000	-2,000	NHPP

OS54 Kamehameha Highway (Route 99), Bridge Rehabilitation, Kipapa (Roosevelt) Stream Bridge



Project Description:
Rehabilitate and bring the existing bridge up to meet current State standards.

Mile Post/s:

Complete Streets (CS):

Project will implement:

Existing Feature/s:

Project Website: None

Neighborhood(s): Waipahu, Mililani-Waipio-Melemanu

Estimated Total Project Cost: $13,500,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
DES	1,800	1,440	360	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ROW	25	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	11,675	9,340	2,335	0	0	0	0	0	0	0	0	0	0	0	0	NHPP

OS61 Kamehameha Highway (Route 83), Realignment, Vicinity of Kawailoa Beach

Project Description:
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.

Mile Post/s:

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): North Shore

Estimated Total Project Cost: $39,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

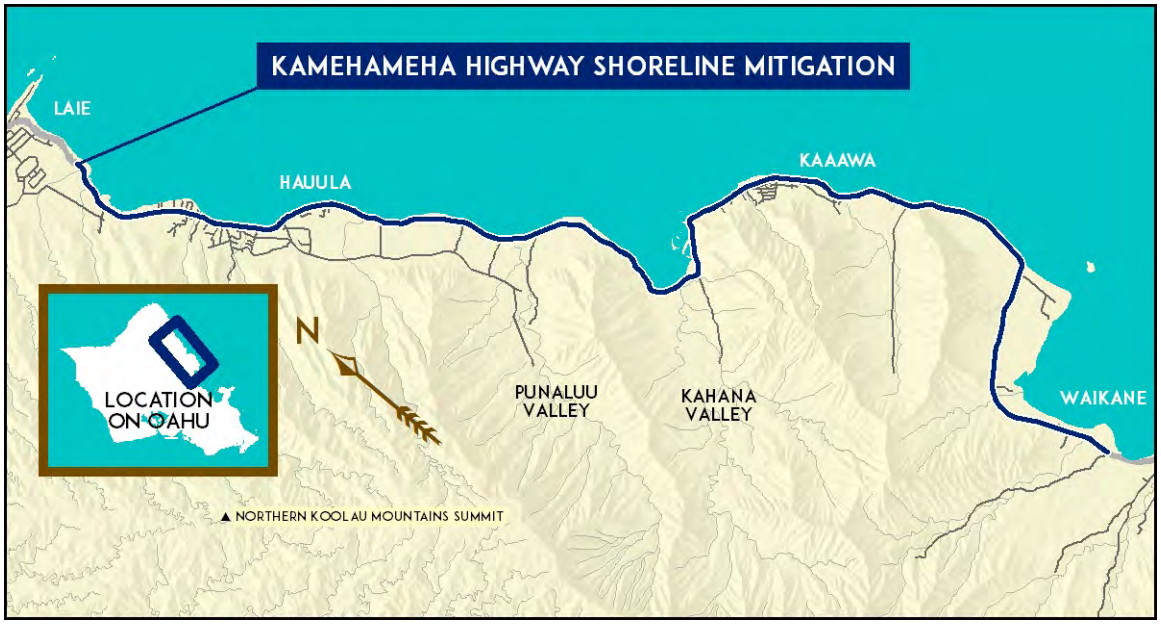
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000).

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
PE2	0	0	0	0	0	0	0	0	0	2,900	100	2,800	0	0	0	0	0	0	NHPP
PREROW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	40	10	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	2,220	-2,220	0	0	0	NHPP

OS65 Kamehameha Highway (Route 83) Shoreline Mitigation, Vicinity of Kualoa, Kaaawa, Punaluu, Hauula



Project Description:
Repair locations identified along the coastal highway that have a very high probability of further erosion in the immediate future.

Mile Post/s: Kamehameha Highway (RTE 83): MP 20.00 to MP 31.00

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Koolauloa, Kahaluu

Estimated Total Project Cost: $11,100,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000).

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
PE1	0	0	0	100	80	20	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
PE2/CON	0	0	0	0	0	0	0	0	0	0	0	0	10,400	0	10,400	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,000	-5,000	NHPP

OS27 Kamehameha Highway (Route 83) Bridge Rehabilition, Makaua Stream Bridge

Project Description:
Rehabilitate the existing 44-foot long bridge on Kamehameha Highway (Route 83) by widening and strengthening to meet current State standards.

Mile Post/s: Kamehameha Highway: MP 27.90

Complete Streets (CS):

Project will implement: Bridge will be strengthened and widened to meet current State standards.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Koolauloa

Estimated Total Project Cost: $7,400,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

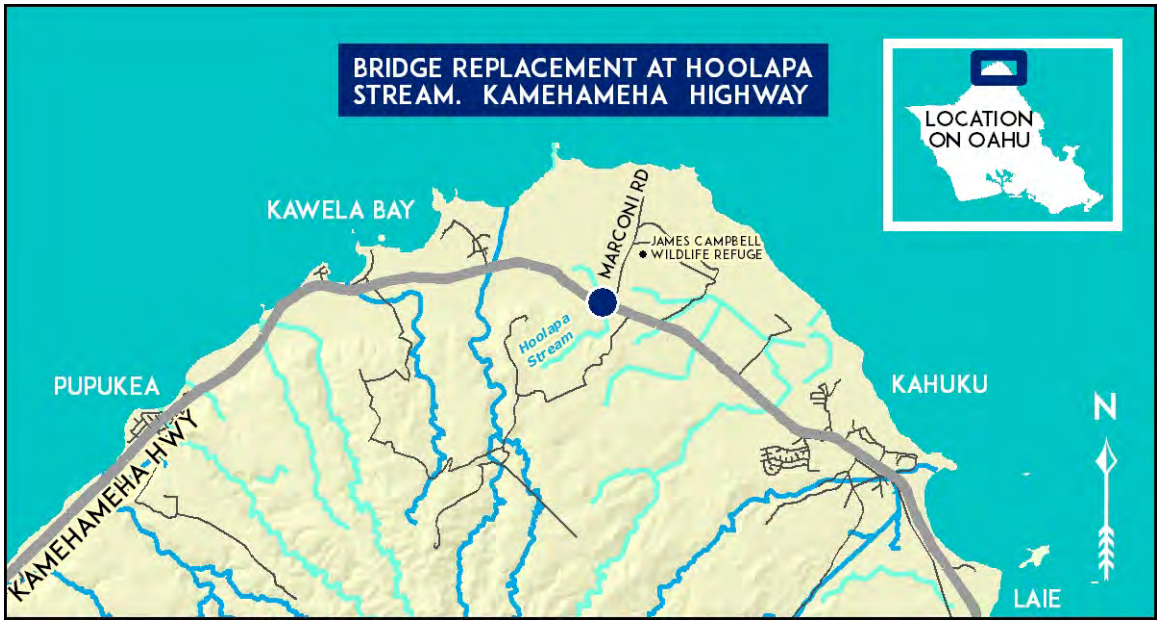
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
ROW	0	0	0	0	0	0	0	0	0	0	0	0	297	238	59	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,367	1,094	5,273	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP

OS53 Kamehameha Highway (Route 83), Bridge Replacement, Hoolapa (Nanahu) Stream Bridge



Project Description:
Replace the existing bridge on Route 83.

Mile Post/s:

Complete Streets (CS):

Project will implement:

Existing Feature/s:

Project Website: None

Neighborhood(s): Koolauloa

Estimated Total Project Cost: $6,365,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Funding Category
DES	1,300	1,040	260	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ROW	165	132	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	2,000	1,600	400	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	2,500	2,000	500	0	0	0	0	0	0	0	0	0	Re-Purposed Earmarks

OS28 Kamehameha Highway (Route 83), Bridge Replacement, Kaipapau Stream Bridge

Project Description:
Replace the existing bridge on Kamehameha Highway.

Mile Post/s: Kamehameha Highway: MP 20.78 to MP 20.85

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Koolauloa

Estimated Total Project Cost: $21,600,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

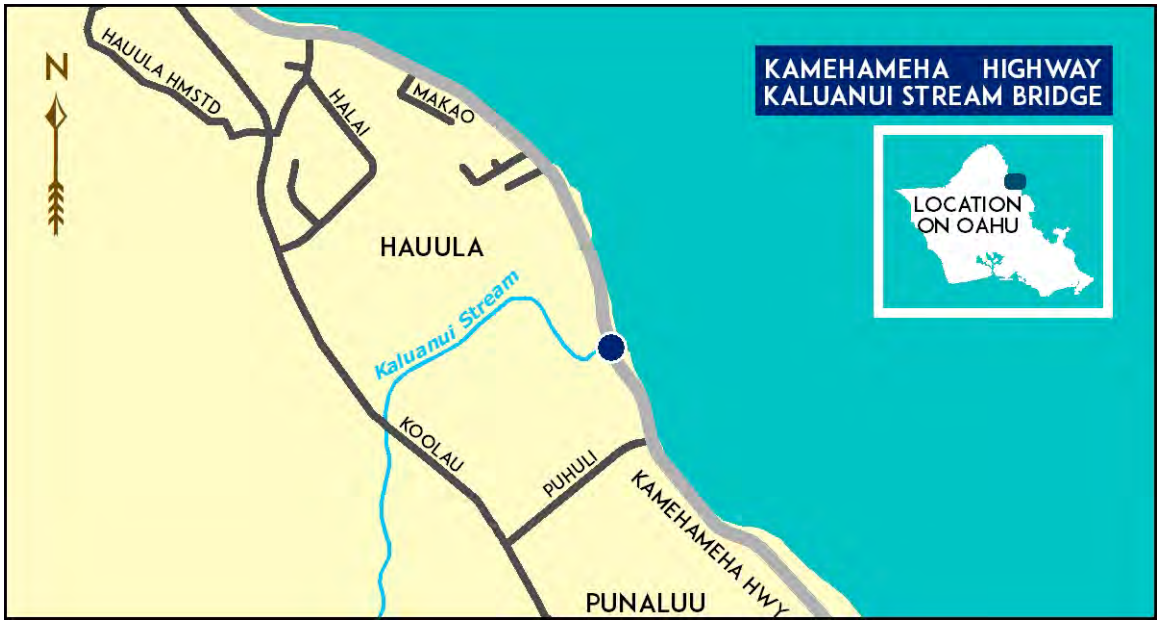
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
CON	0	0	0	0	0	0	0	0	0	0	0	0	17,600	4,080	13,520	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,000	-10,000	NHPP

OS29 Kamehameha Highway (Route 83), Bridge Replacement, Kaluanui Stream Bridge



Project Description:
Replace the existing bridge on Kamehameha Highway.

Mile Post/s: Kamehameha Highway: MP 22.50 to 22.70

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Koolauloa

Estimated Total Project Cost: $11,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

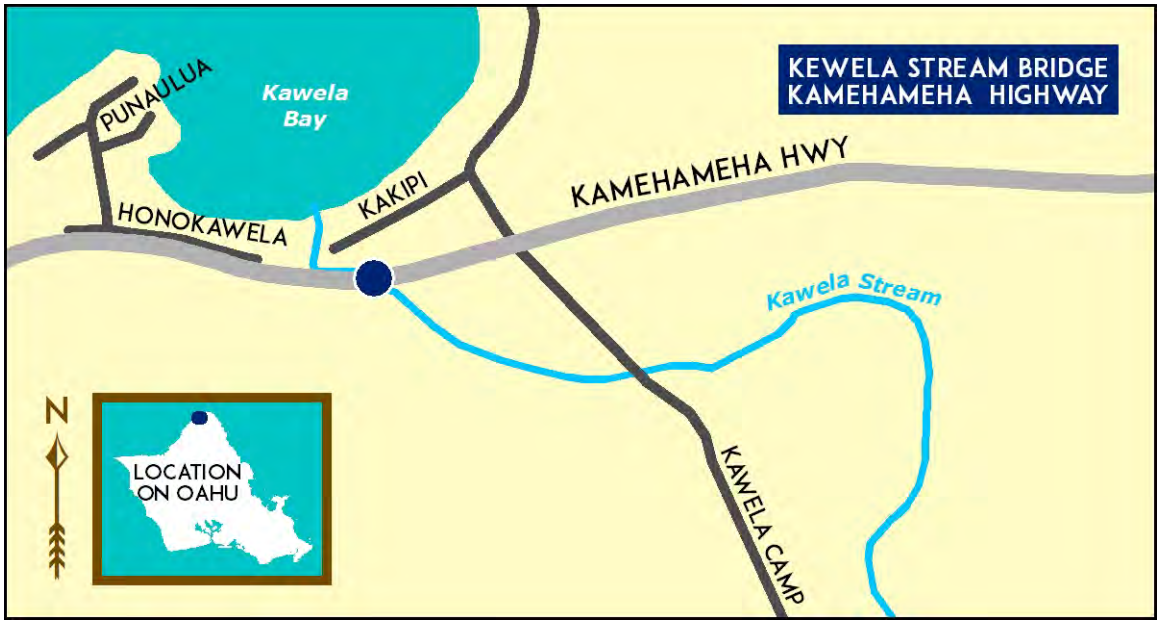
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
ROW	0	0	0	0	0	0	0	0	0	663	530	133	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	9,200	2,360	6,840	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,000	-5,000	NHPP

OS30 Kamehameha Highway (Route 83), Bridge Replacement, Kawela Stream Bridge



Project Description:
Replace the existing bridge on Kamehameha Highway.

Mile Post/s: Kamehameha Highway: MP 11.00 to MP 11.40

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Koolauloa

Estimated Total Project Cost: $7,500,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
DES	1,100	880	220	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ROW	75	0	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	6,300	5,040	1,260	0	0	0	0	0	0	0	0	0	NHPP

OS31 Kamehameha Highway (Route 83), Bridge Replacement, Laieloa Stream Bridge

Project Description:
Replace the existing concrete slab bridge on Kamehameha Highway in the vicinity of Laie.

Mile Post/s: Kamehameha Highway: MP 18.31

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Koolauloa

Estimated Total Project Cost: $11,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000).

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
ROW	0	0	0	0	0	0	0	0	0	208	166	42	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	9,740	792	8,948	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7,000	-7,000	NHPP

OS32 Kamehameha Highway (Route 83), Bridge Replacement, South Kahana Stream Bridge

Project Description:
Replace the existing bridge on Kamehameha Highway.

Mile Post/s: Kamehameha Highway: MP 26.44

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Koolauloa

Estimated Total Project Cost: $30,300,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

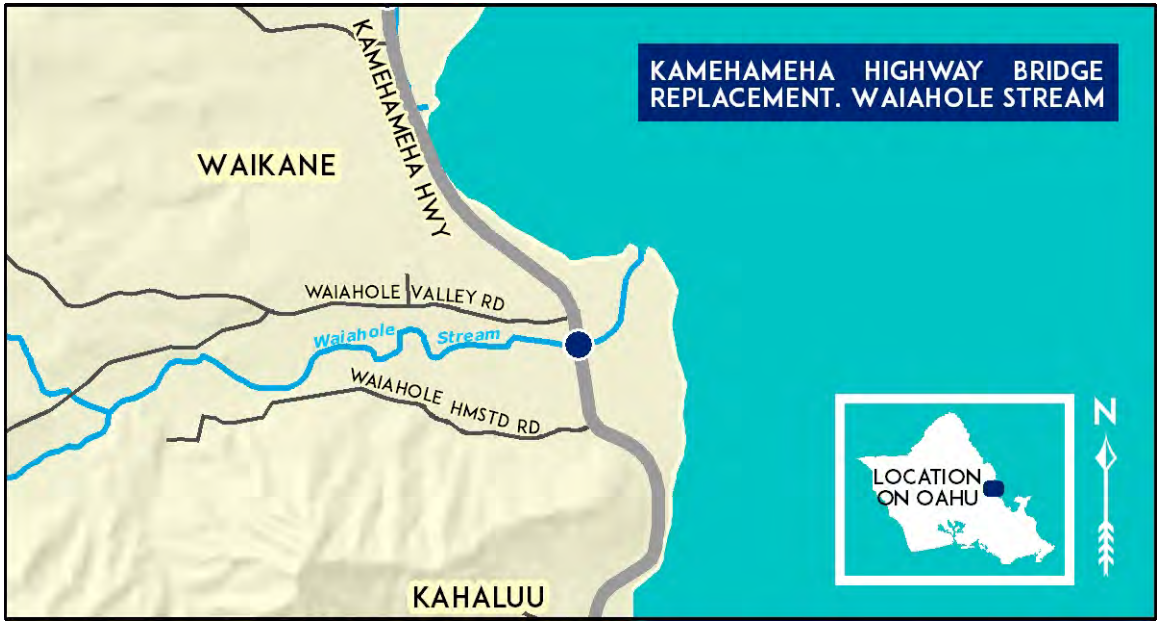
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000).

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
ROW	0	0	0	0	0	0	0	0	0	1,040	832	208	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	27,050	11,640	15,410	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,000	-10,000	NHPP

OS34 Kamehameha Highway (Route 83), Bridge Replacement, Waiahole Bridge



Project Description:
Replace the existing concrete structure on Kamehameha Highway.

Bicycle and pedestrian facilities will be included when feasible.

Mile Post/s: Kamehameha Highway: MP 34.31 to MP 34.51

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Kahaluu

Estimated Total Project Cost: $16,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
ROW	0	0	0	0	0	0	0	0	0	0	0	0	585	468	117	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15,000	4,000	11,000	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP

OS35 Kamehameha Highway (Route 83), Bridge Replacement, Waikane Stream Bridge

Project Description:
Replace the existing 44-foot long bridge on Kamehameha Highway with a wider and stronger bridge to meet current State standards.

Mile Post/s: Kamehameha Highway: MP 33.77

Complete Streets (CS):

Project will implement: Bridge will be strengthened and widened to meet current State standards.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Kahaluu

Estimated Total Project Cost: $12,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

													FOR INFORMATION ONLY						
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
ROW	0	0	0	0	0	0	0	0	0	0	0	0	281	225	56	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11,000	2,800	8,200	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP

OS36 Kamehameha Highway (Route 83), Bridge Replacement, Waipilopilo Stream Bridge

Project Description:
Replace the existing concrete T-bridge on Kamehameha Highway in the vicinity of Hauula.

Mile Post/s: Kamehameha Highway: MP 21.12

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Koolauloa

Estimated Total Project Cost: $11,300,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

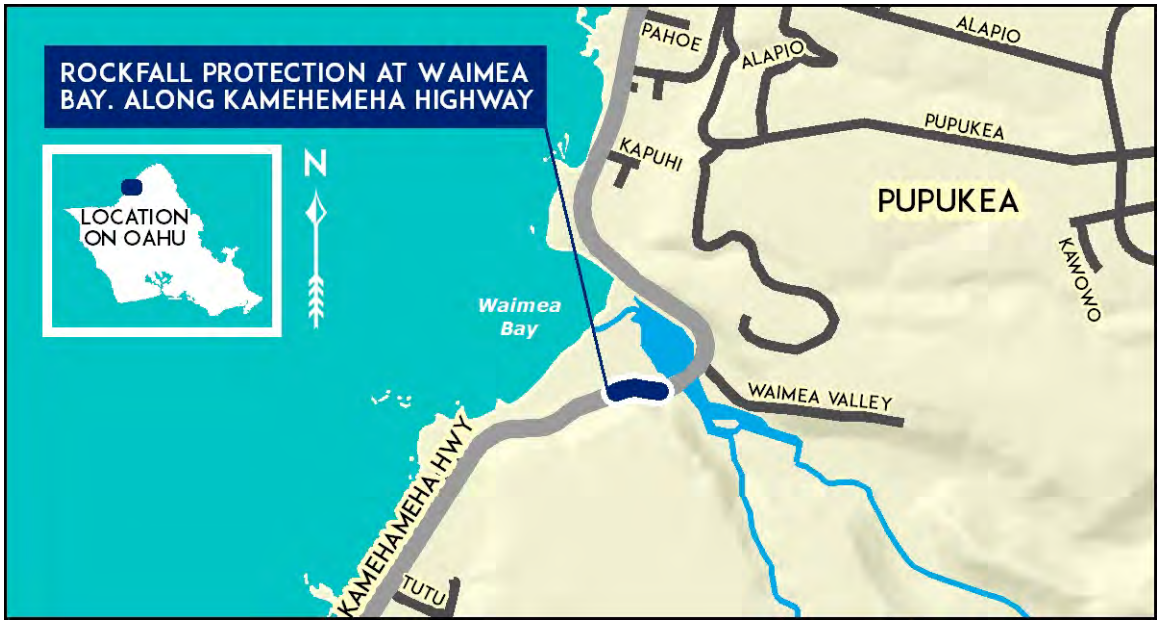
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000).

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
ROW	0	0	0	0	0	0	0	0	0	1,020	816	204	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP

OS37 Kamehameha Highway (Route 83), Rockfall Protection at Waimea Bay



Project Description:
Install rockfall mitigation measures along Kamehameha Highway (Route 83) at Waimea Bay

Phase 1: Haleiwa
Phase 2: Sunset Beach

Mile Post/s: MP 5.4 to MP 5.52

Complete Streets (CS):

Project will implement: Not applicable
Existing Feature/s: Not applicable

Project Website: None

Neighborhood(s): North Shore

Estimated Total Project Cost: $19,800,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
Phase 1: Haleiwa																			
ROW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Phase 2: Sunset Beach																			
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP

OS51 Kamehameha Hwy (Route 83), Safety Improvements, Kahekili Hwy (Route 83) to Vicinity Of Waikane

Project Description:
Install milled rumble strips on centerline and shoulders of the road and check superelevation along the entire road segment. Install pavement markings, striping, and signing.

Mile Post/s: MP 33.80 to MP 36.90

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Kaneohe

Estimated Total Project Cost: $3,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

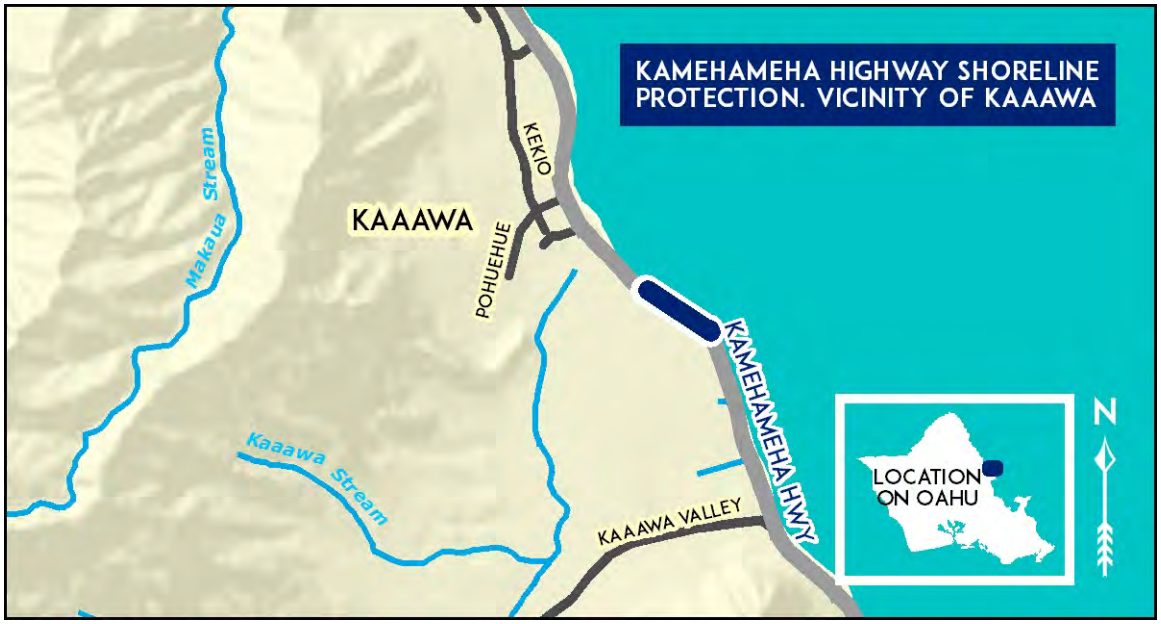
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000).

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
CON	0	0	0	0	0	0	0	0	0	1,700	1,360	340	0	0	0	0	0	0	HSIP

OS39 Kamehameha Highway (Route 83), Shoreline Protection, Vicinity of Kaaawa



Project Description:
Construct shoreline protection measures for areas in Kaaawa (#10) susceptible to ocean erosion due to high wave action.

Mile Post/s: Kamehameha Highway: MP 28.00

Complete Streets (CS):

Project will implement: Not applicable
Existing Feature/s: Not applicable

Project Website: None

Neighborhood(s): Koolauloa

Estimated Total Project Cost: $12,400,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
CON	0	0	0	0	0	0	0	0	0	0	0	0	10,820	8,640	2,180	0	0	0	NHPP

OS40 Kamehameha Highway (Route 83) Shoreline Protection, Vicinity of Punaluu

Project Description:
Construct shoreline protection measures for areas in Punaluu (#9) susceptible to ocean erosion due to high wave action.

Mile Post/s: Kamehameha Highway: MP 23.70

Complete Streets (CS):

Project will implement: Not applicable
Existing Feature/s: Not applicable

Project Website: None

Neighborhood(s): Koolauloa

Estimated Total Project Cost: $8,900,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

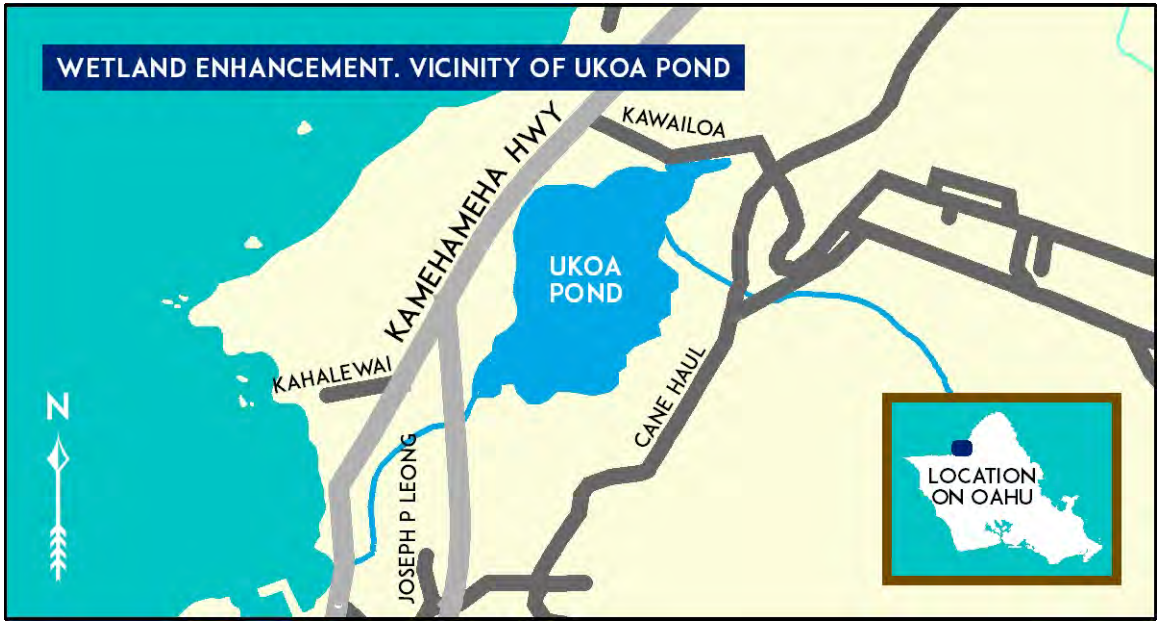
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

													FOR INFORMATION ONLY						
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7,650	6,120	1,530	NHPP

OS41 Kamehameha Highway (Route 83) Wetland Enhancement, Vicinity of Ukoa Pond



Project Description:
Enhance wetlands along Kamehameha Highway (Route 83) near Ukoa Pond as a mitigation for previous impacts and wetland banking for future use. This is a wetland mitigation project on the North Shore that is related to the construction of the Haleiwa Bypass Road.

Mile Post/s: Joseph P. Leong Highway: MP 1.67 to 1.79

Complete Streets (CS):

Project will implement: Not applicable
Existing Feature/s: Not applicable

Project Website: None

Neighborhood(s): North Shore

Estimated Total Project Cost: $7,700,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

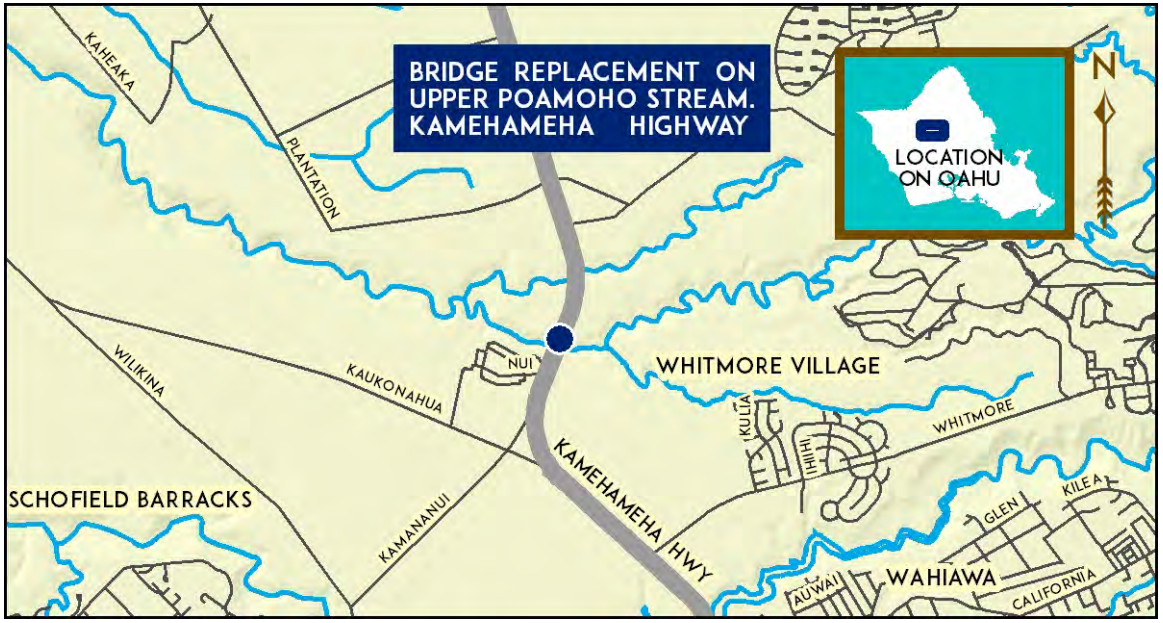
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
CON	0	0	0	0	0	0	0	0	0	6,500	100	6,400	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	5,100	-5,100	0	0	0	NHPP

OS33 Kamehameha Highway (Route 99), Bridge Replacement, Upper Poamoho Stream Bridge



Project Description:
Replace the existing multi-girder reinforced bridge on Kamehameha Highway in the vicinity of Wahiawa.

Mile Post/s: Kamehameha Highway: MP 6.22 to MP 6.30

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Wahiawa

Estimated Total Project Cost: $22,100,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

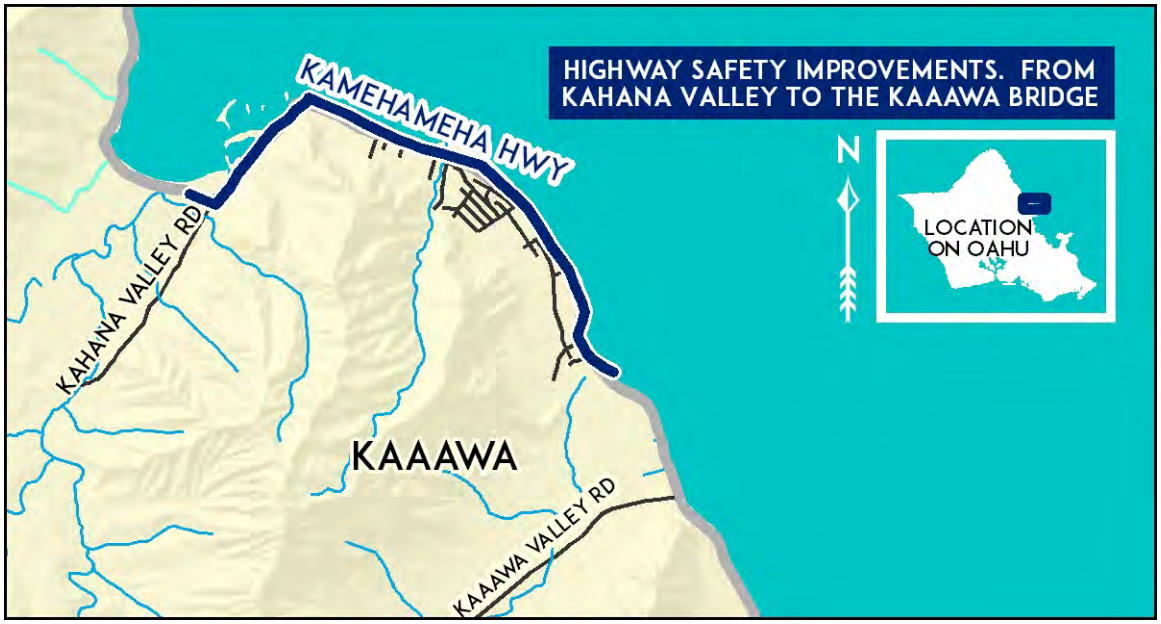
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
PREROW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ROW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Earmark HP

OS55 Kamehameha Highway (Route 83) Safety Improvements, Kahana Valley Road to Kaaawa Bridge



Project Description:
Installation of milled rumble strips on centerline and shoulders, check superelevation along entire segment, pavement markings, striping and signing.

Mile Post/s:

Complete Streets (CS):

Project will implement:

Existing Feature/s:

Project Website: None

Neighborhood(s): Koolauloa

Estimated Total Project Cost: $1,850,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

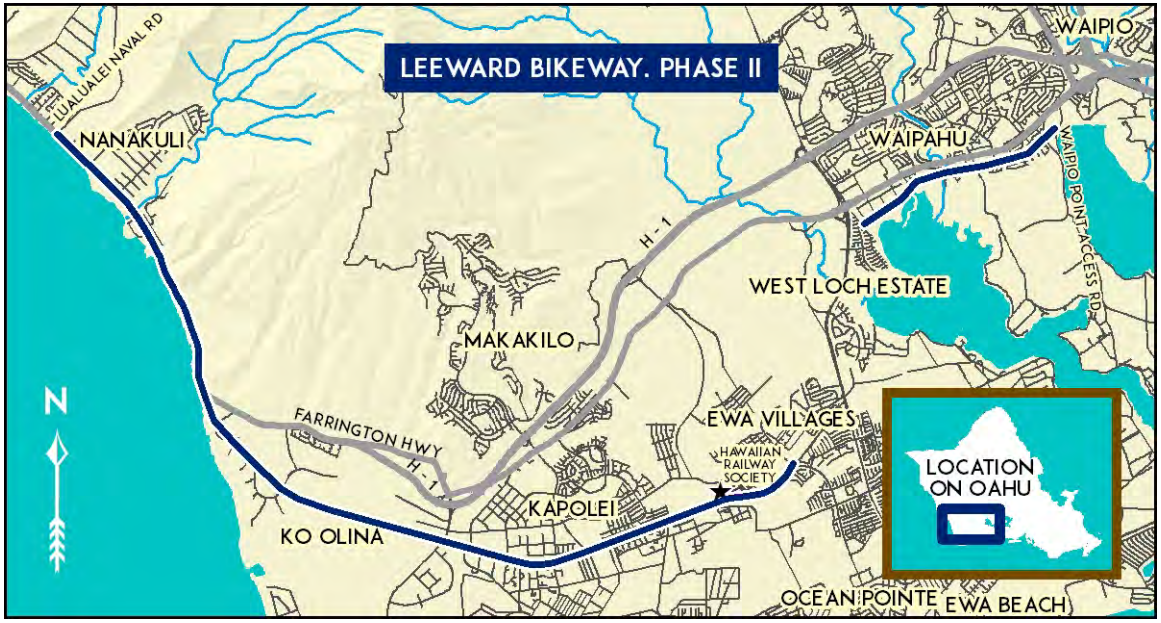
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

													FOR INFORMATION ONLY						
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
CON	0	0	0	1,632	1,306	326	0	0	0	0	0	0	0	0	0	0	0	0	HSIP

OS43 Leeward Bikeway, Phase II, Hawaiian Railway Society Train Station to Lualualei Naval Road



Project Description:
Improve the bikeway/bike path from the Hawaii Railway Society Train Station Waipio Point Access Road to Lualualei Naval Road.

Mile Post/s: Not applicable.

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Ewa, Makakilo-Kapolei-Honokai Hale, Waianae Coast

Estimated Total Project Cost: $11,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

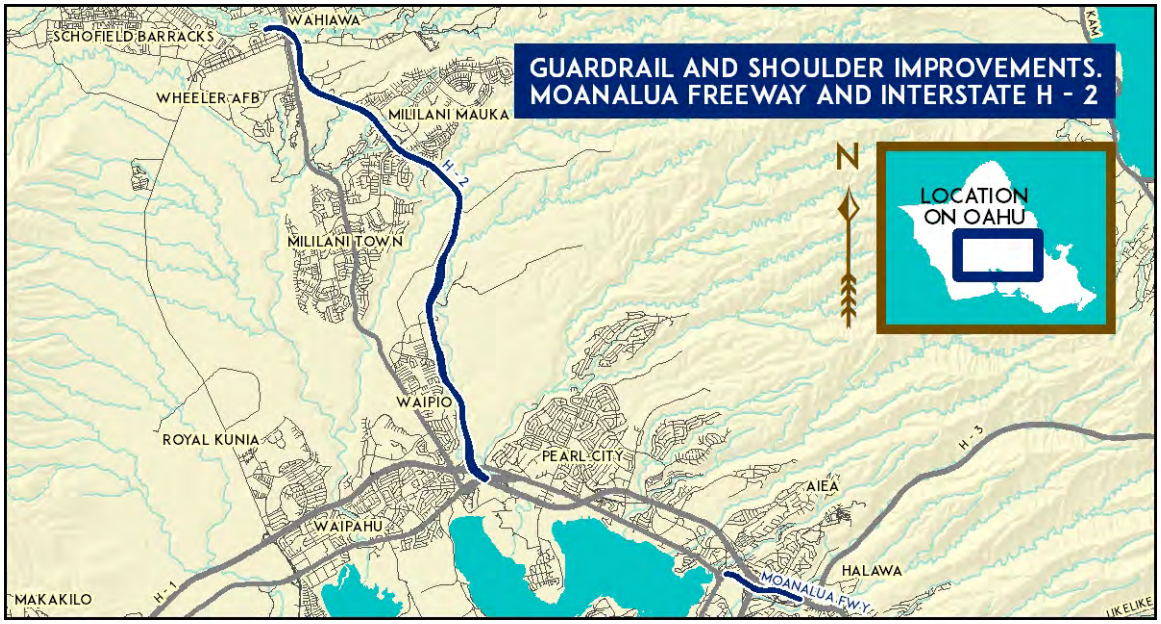
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000).

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
Waipio Point Access Road to Hawaiian Railway Society																			
CON	0	0	0	0	0	0	0	0	0	9,360	100	9,260	0	0	0	0	0	0	Enhance
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	7,388	-7,388	0	0	0	Enhance

OS44 Moanalua Freeway (Route 78) and Interstate Route H-2, Guardrail and Shoulder Improvements



Project Description:
Install and/or upgrade the existing guardrails. Reconstruct and pave road shoulders.

Mile Post/s: Moanalua Freeway: MP 0.00 to MP 0.74, H-2 Freeway: MP 0.00 to MP 8.33

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: $5,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

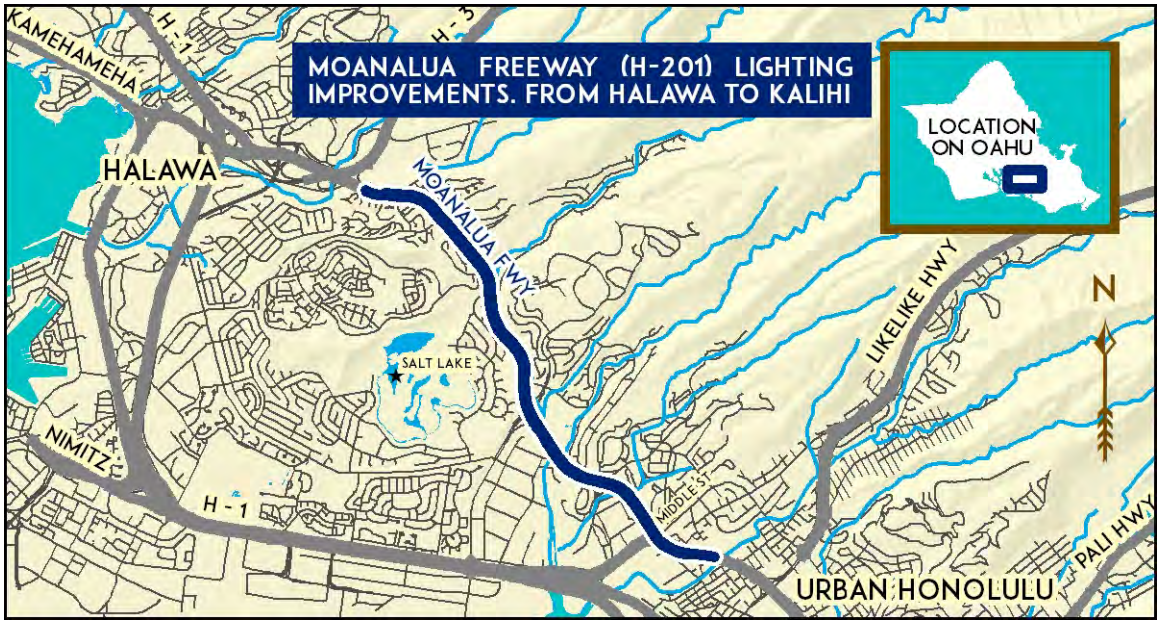
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000).

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
CON	0	0	0	0	0	0	4,400	0	4,400	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	3,520	-3,520	0	0	0	0	0	0	NHPP

OS45 Moanalua Freeway (Route H-201), Lighting Improvements, Halawa Heights Off-Ramp to Middle Street



Project Description:
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).

Mile Post/s: Moanalua Freeway: MP 1.12 to MP 4.09

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Moanalua, Kalihi-Palama, Aliamanu-Salt Lake-Foster Village, Airport

Estimated Total Project Cost: $13,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

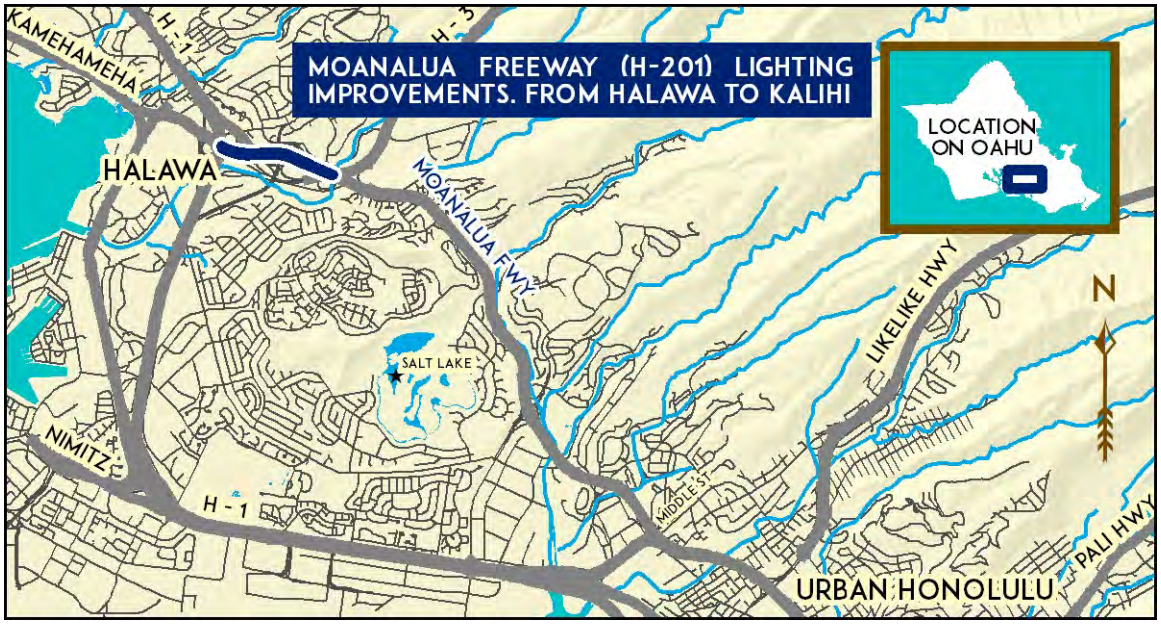
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
CON	0	0	0	0	0	0	12,200	0	12,200	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	4,260	-4,260	0	5,500	-5,500	0	0	0	NHPP

OS46 Moanalua Freeway (Route H-201), Lighting Improvements, Halawa to the H-3 Overpass



Project Description:
Upgrade/replace existing freeway lighting on Moanalua Freeway from the Ewa end of the Moanalua Freeway (milepost 0) to the H-3 Freeway overpass (milepost 0.73).

Mile Post/s: MP 0.00 to MP 0.73

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Aiea

Estimated Total Project Cost: $2,700,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

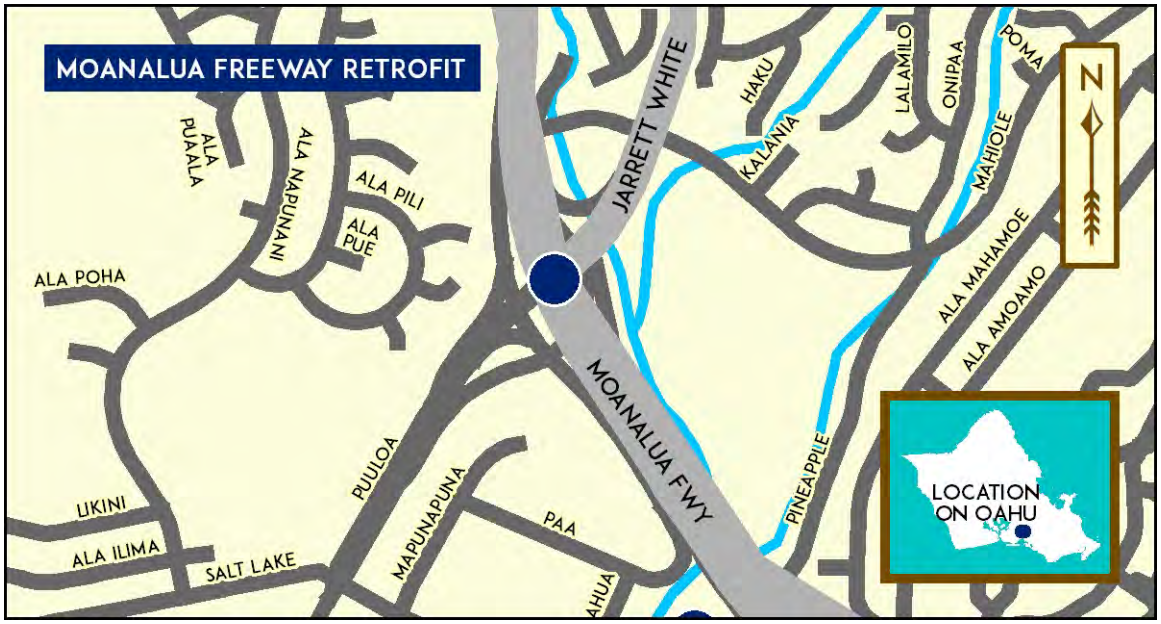
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
CON	0	0	0	0	0	0	0	0	0	2,533	26	2,507	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	2,000	-2,000	0	0	0	NHPP

OS47 Moanalua Freeway (Route H-201) Seismic Retrofit, Puuloa Interchange, Ramp "A" and Separation



Project Description:
Retrofit interchange structure to meet current seismic standards.

Mile Post/s: Moanalua Freeway: MP 2.68 to MP 2.94

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Airport, Moanalua, Aliamanu-Salt Lake-Foster Village

Estimated Total Project Cost: $11,700,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

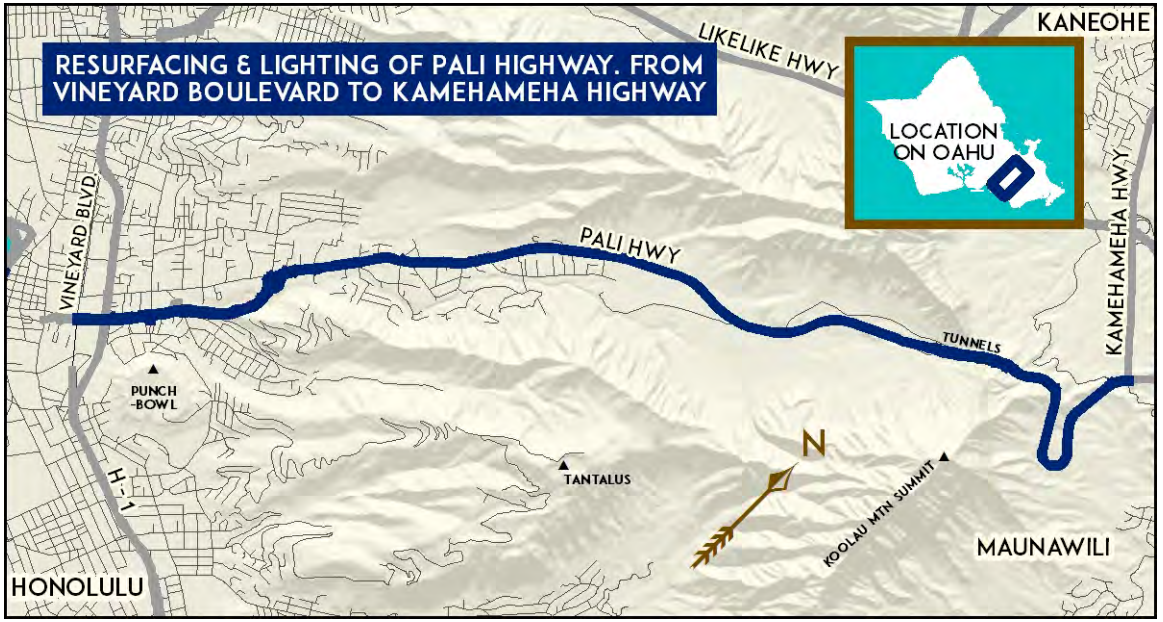
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP

OS62 Pali Highway (Route 61) Resurfacing & Lighting Improvements, Vineyard Boulevard (Route 98) Kamehameha Highway (Route 83)



Project Description:
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.

Mile Post/s:

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Nuuanu-Punchbowl

Estimated Total Project Cost: $85,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
Phase 1: Lighting Vineyard Boulevard to Kamehameha Highway & Resurfacing Waokanaka Street to Kamehameha Highway																			
CON	0	0	0	0	0	0	4,300	3,440	860	0	0	0	0	0	0	0	0	0	HSIP
CON	0	0	0	0	0	0	57,700	8,760	48,940	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	10,200	-10,200	0	21,000	-21,000	0	0	0	NHPP
Phase 2: Resurfacing, Vineyard Boulevard to Waokanaka Street																			
CON	0	0	0	0	0	0	0	0	0	0	0	0	18,000	4,400	13,600	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,000	-10,000	NHPP

OS49 Recreational Trails Program - Oahu

Project Description:
A Federal-aid assistance program to help the State provide and maintain recreational trails for both motorized and non-motorized recreational use.

Mile Post/s: Not applicable

Complete Streets (CS):

Project will implement: Not applicable
Existing Feature/s: Not applicable

Project Website: None

Neighborhood(s): Airport, Moanalua, Aliamanu-Salt Lake-Foster Village

Estimated Total Project Cost: $2,154,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Department of Land and Natural Resources

All values are in thousands of U.S. dollars (x1000)

													FOR INFORMATION ONLY						
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
CON	359	287	72	359	287	72	359	287	72	359	287	72	359	287	72	359	287	72	Rec Trails Prog

OS52 Sand Island Access Road (Route 64), Truck Weigh Station, Kapalama Container Terminal

Project Description:
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 auxilary lanes to accommodate truck vehicles, traffic controls, truck weighing infrastructure and computer hardware/ software, operator kiosk/ office.

Mile Post/s:

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Airport

Estimated Total Project Cost: $9,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

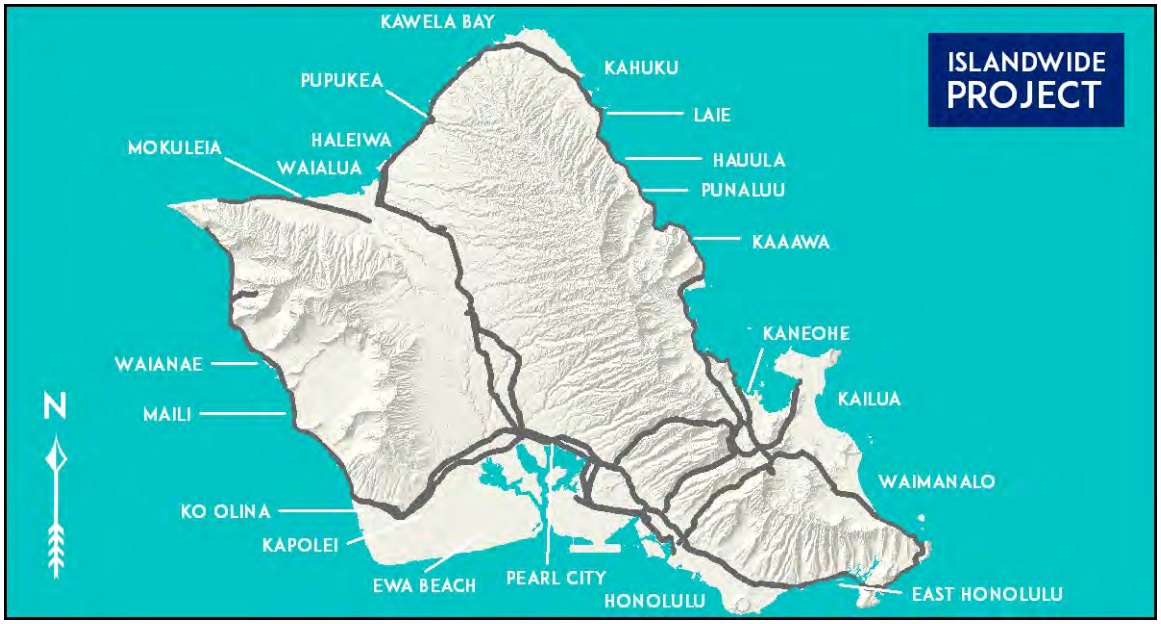
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000).

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Funding Category
DES	0	0	0	135	0	135	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
PREROW	0	0	0	130	0	130	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ROW	0	0	0	0	0	0	0	0	0	3,060	2,448	612	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	5,100	80	5,020	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	4,000	-4,000	0	0	0	NHPP

OS63 Traffic Counting Stations at Various Locations



Project Description:
Construction of traffic counting stations for traffic data gathering and planning purposes. There is a separate phase shown for the rest of the islands in Statewide section of the STIP. This is a part of phase 2 of the Statewide project. The project will collect required Highway Performance Monitoring System (HPMS) data.

Mile Post/s:

Complete Streets (CS):

Project will implement:

Existing Feature/s:

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: $4,500,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

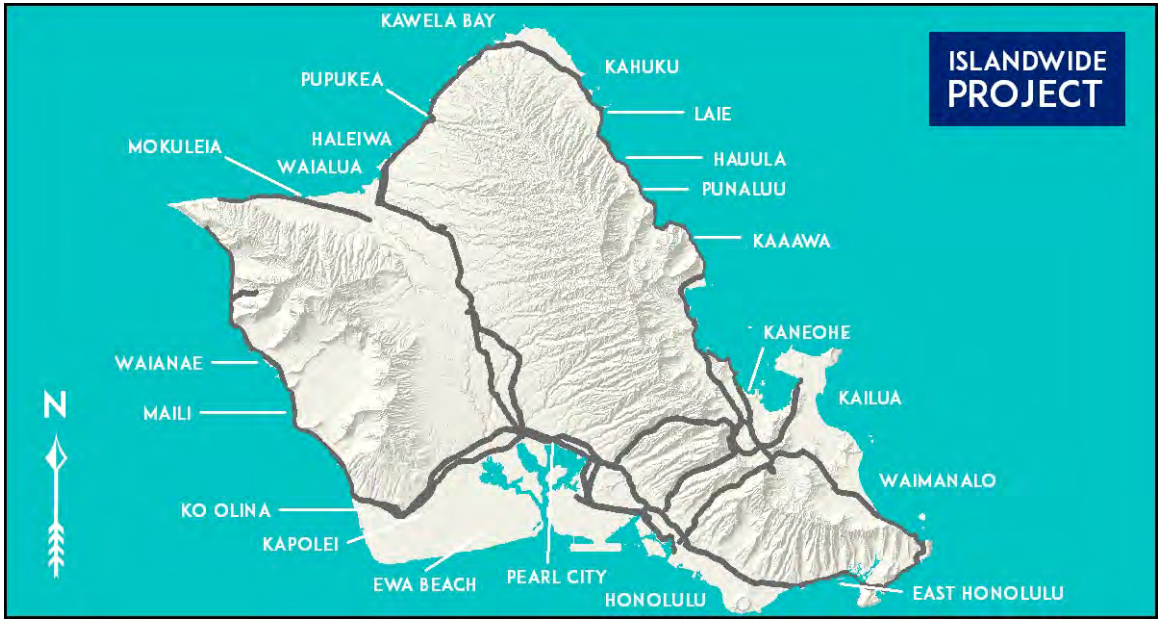
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,575	2,060	515	STP Flex

OS50 Transportation Assistance for Elderly and Disabled



Project Description:
Funds from the program will be utilized for the purchase of buses for seniors and individuals with disabilities.

Mile Post/s: Not applicable

Complete Streets (CS):

Project will implement: Not applicable
Existing Feature/s: Not applicable

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: $7,156,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

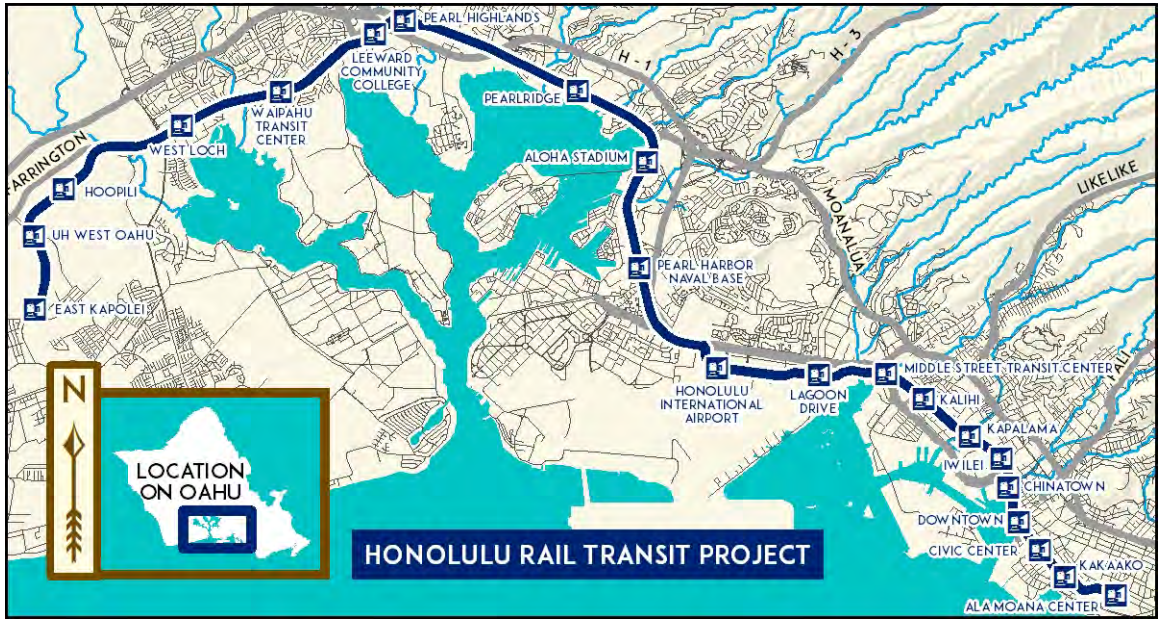
Project Sponsor: State of Hawaii (FTA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

													FOR INFORMATION ONLY						
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
EQP	482	385	97	497	397	100	512	409	103	529	422	107	546	435	111	564	449	115	§5310-Urban

OS68 State Safety Oversight Program



Project Description:
Provide operational resources for the State Safety Oversight Program administered by the (HDOT) Rail Transit Safety Office and will Implement 49 CFR Part 674 State Safety Oversight Final Rule.

Mile Post/s: Not applicable

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Islandwide

Estimated Total Project Cost: $1,775,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FTA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

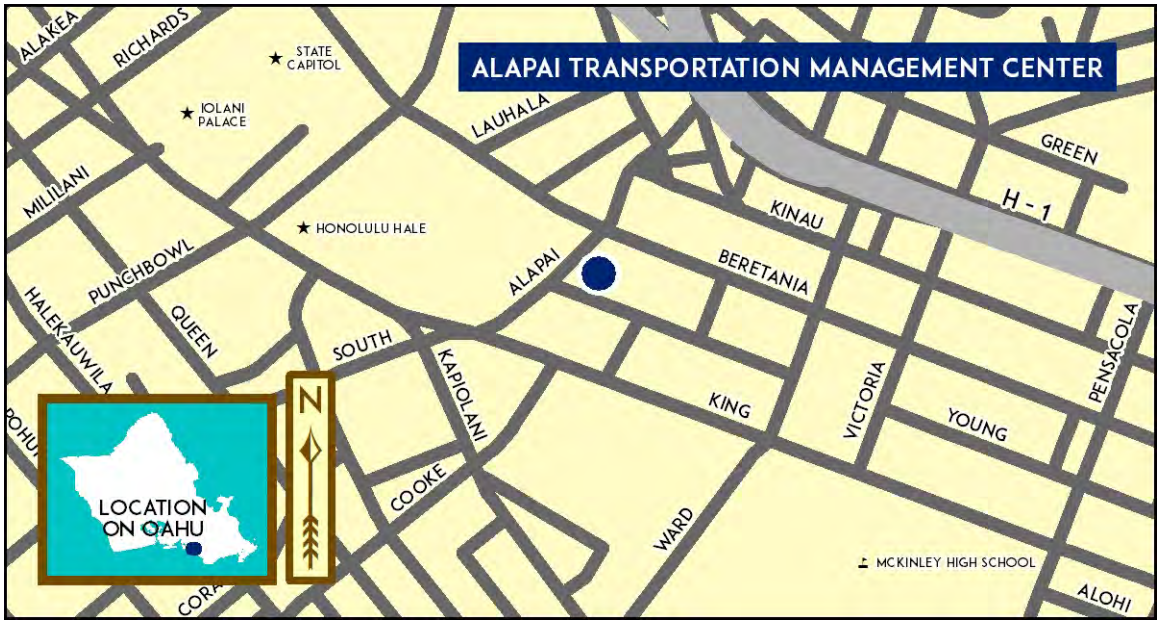
All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
OPR	0	0	0	0	0	0	875	700	175	281	225	56	290	232	58	299	239	60	§5329

6.2.2 Oahu City (OC) Projects

6.2.2.1 FHWA-Funded Oahu City (OC) Projects

OC1 Alapai Transportation Management Center



Project Description:
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.

Mile Post/s: Not applicable

Complete Streets (CS):

Project will implement: Not applicable
Existing Feature/s: Not applicable

Project Website: None

Neighborhood(s): Ala Moana-Kakaako

Estimated Total Project Cost: $97,813,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: City and County of Honolulu (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
City Department of Transportation Services

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
DES	1	0	1	6	1	5	10	0	10	0	0	0	0	0	0	0	0	0	Local Only
CON	23,770	0	23,770	23,373	0	23,373	25	0	25	0	0	0	0	0	0	0	0	0	STP Flex
ADVCON	0	12,674	-12,674	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
ADVCON	0	0	0	0	16,000	-16,000	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
EQP	1	0	1	1,700	0	1,700	200	0	200	250	200	50	0	0	0	0	0	0	Local Only
OPR	0	0	0	0	0	0	0	0	0	500	400	100	0	0	0	0	0	0	STP Flex

OC2 Bikeway Improvements Program

Project Description:
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.

Mile Post/s: MP 6.71 to MP 7.32

Complete Streets (CS):

Project will implement: Pearl Harbor Bike Path Rehabilitation; Bicycle lanes of 5 feet or greater width and shared-use paths of 10 feet or greater width; Kalakaua Avenue Bike study; Bicycle lanes of 5 feet or greater width

Existing Feature/s: Pearl Harbor Bike Path Rehabilitation; Bicycle parking facilities and street furniture; Hamakua Drive Bikeway Improvements; Bicycle lanes of 5 feet or greater width, intersection bicycle boxes; Kalakaua Avenue Bike study; Bicycle lanes of 5 feet or greater width, shared-use paths of 10 feet or greater width, accessible curb ramps, and pedestrian underpasses or overpasses

Project Website:
www.honolulu.gov/bicycle/bicyclefacilities/oahu-bike-plan.html

Neighborhood(s): Islandwide

Estimated Total Project Cost: $6,695,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

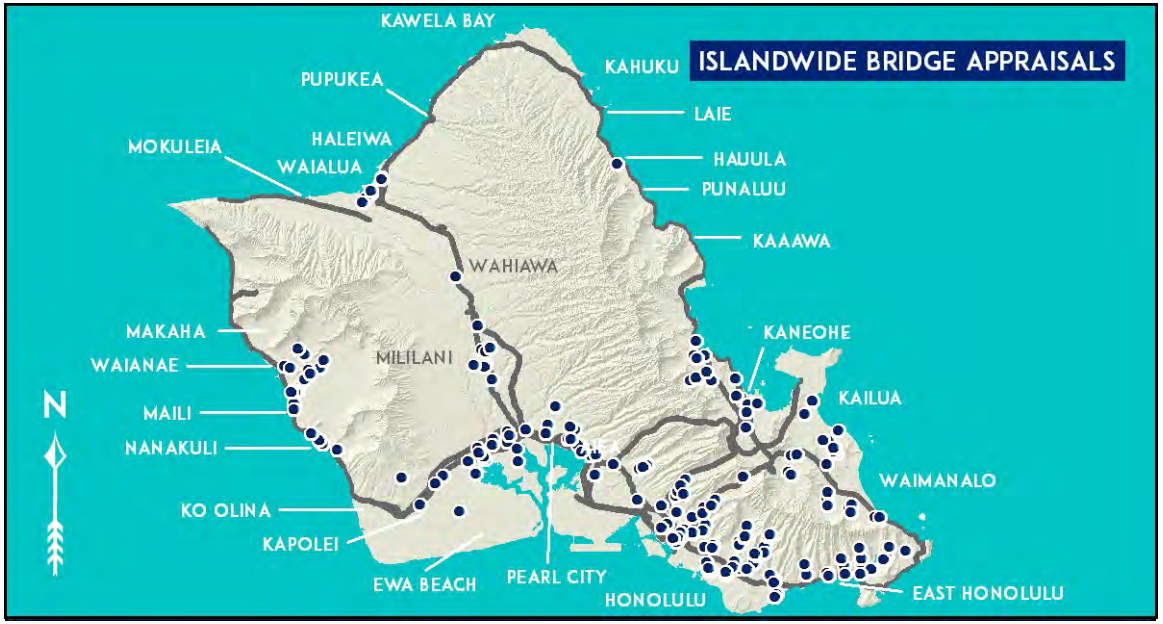
Project Sponsor: City and County of Honolulu (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
City Department of Transportation Services

All values are in thousands of U.S. dollars (x1000).

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
Hamakua Drive (Route 6010)																			
PE2	0	0	0	1	0	1	103	66	37	0	0	0	0	0	0	0	0	0	STP Flex
CON	0	0	0	0	0	0	677	541	136	100	80	20	0	0	0	0	0	0	STP Flex
INSP	0	0	0	0	0	0	157	125	32	50	40	10	0	0	0	0	0	0	STP Flex
Lehua Avenue - Bike Lane & Pedestrian Improvements																			
PE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
TBD - DES 2019																			
PE1	0	0	0	0	0	0	0	0	0	0	0	0	425	300	125	0	0	0	STP Flex
PE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	125	100	25	STP Flex
ROW	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	Local Only
TBD - DES 2020																			
PE1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	425	300	125	STP Flex
ROW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	Local Only

OC3 Bridge Inspection and Appraisal



Project Description:
Inventory, inspect, and appraise City bridges, including underwater inspection, surveys, scour survey/evaluation, and preparation of plans for bridge repairs.

Mile Post/s: Not applicable

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: $5,600,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: City and County of Honolulu (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
City Department of Design and Construction

All values are in thousands of U.S. dollars (x1000)

													FOR INFORMATION ONLY						
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
DES	900	720	180	900	720	180	0	0	0	900	720	180	1,000	800	200	1,000	800	200	Bridge Off
DES	0	0	0	0	0	0	526	0	526	0	0	0	0	0	0	0	0	0	Local Only

OC4 Computerized Traffic Control System

Project Description:
Upgrade and expand fiber optic lines, closed-circuit television (CCTV) cameras, data collection, and signal control in the urban center and outlying areas for connectivity to the Honolulu Traffic Control Center.

Mile Post/s: Not applicable

Complete Streets (CS):

Project will implement: Not applicable
Existing Feature/s: Not applicable

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: $12,508,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

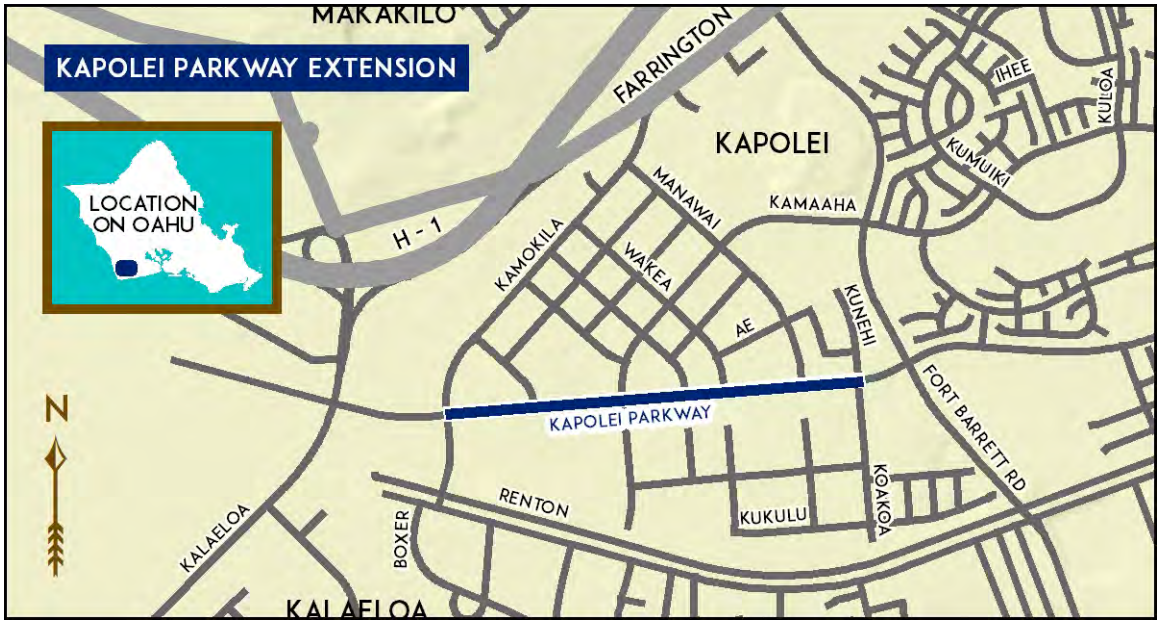
Project Sponsor: City and County of Honolulu (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
City Department of Transportation Services

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
Phase 15: Nanakuli																			
PE1	0	0	0	0	0	0	0	0	0	313	250	63	0	0	0	0	0	0	STP Flex
PE2	0	0	0	0	0	0	0	0	0	0	0	0	250	200	50	0	0	0	STP Flex
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,080		816	STP Flex
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	Local Only
Phase 16: Waianae																			
PE1	0	0	0	0	0	0	0	0	0	0	0	0	250	200	50	0	0	0	STP Flex
PE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	103	82	21	STP Flex
Phase 17: TBD																			
PE1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	245	195	50	STP Flex
PE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	80	20	STP Flex

OC6 Kapolei Parkway (Route 8920) Extension



Project Description:
This project will provide an extension of the existing Kapolei Parkway from Kamokila Boulevard to Fort Barrette Road to bring congestion relief to the ewa region where it is anticipated the majority of residential and employment growth is projected.

Mile Post/s: Pending

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: Bicycle lanes of 5 feet or greater width, paved shoulders, accessible curb ramps, new or wider sidewalks, pedestrian countdown signals, pedestrian signals, such as audible or vibrotactile indicators, planting strips, raised medians or refuge islands, and street trees

Project Website: None

Neighborhood(s): Makakilo-Kapolei-Honokai Hale

Estimated Total Project Cost: $21,589,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: City and County of Honolulu (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
City Department of Transportation Services

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Funding Category
DES	50	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
CON	240	0	240	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex

OC7 Makakilo Drive (Route 8810) Extension

Project Description:
Construct an extension of Makakilo Drive from the Palehua Subdivision to the H-1 Freeway.

Mile Post/s: Pending

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: Bicycle lanes of 5 feet or greater width, paved shoulders, accessible curb ramps, new or wider sidewalks, pedestrian countdown signals, pedestrian signals, such as audible or vibrotactile indicators, planting strips, raised medians or refuge islands, and street trees

Project Website: None

Neighborhood(s): Makakilo-Kapolei-Honokai Hale

Estimated Total Project Cost: $46,400,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

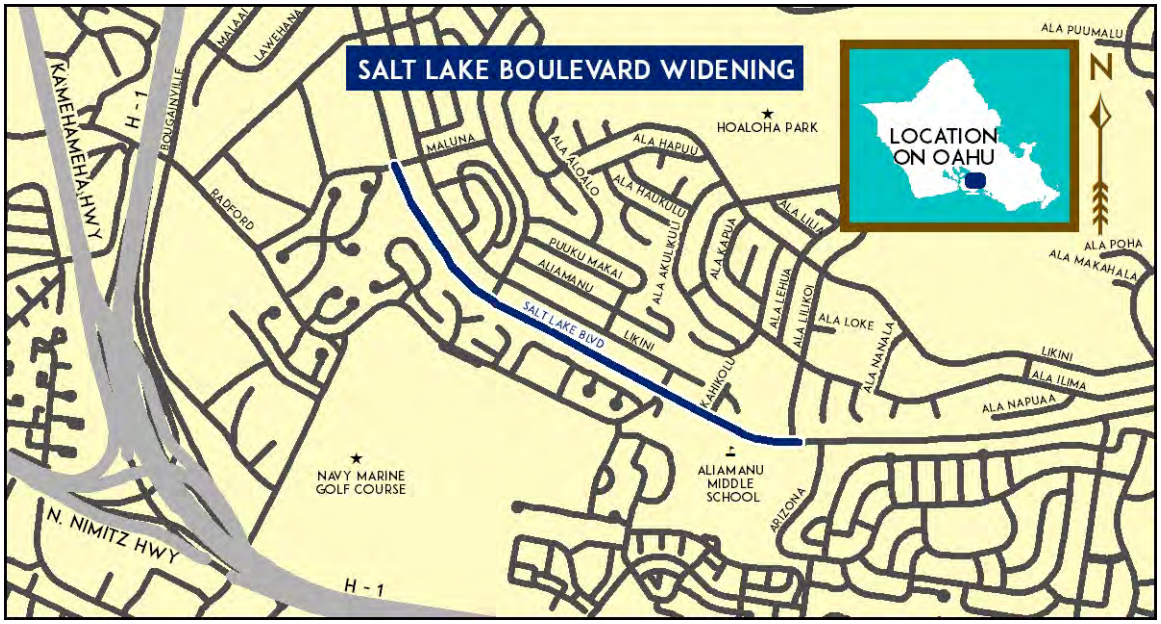
Project Sponsor: City and County of Honolulu (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
City Department of Transportation Services

All values are in thousands of U.S. dollars (x1000).

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
PE2	0	0	0	0	0	0	1,500	0	1,500	1,570	0	1,570	0	0	0	0	0	0	Local Only
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex

OC23 Salt Lake Boulevard Widening



Project Description:
To widen the Salt Lake Boulevard to a multi-lane roadway within the existing 100' right-of-way between Maluna and Ala Lilikoi

Mile Post/s:

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Aliamanu-Salt Lake-Foster Village

Estimated Total Project Cost: $87,280,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

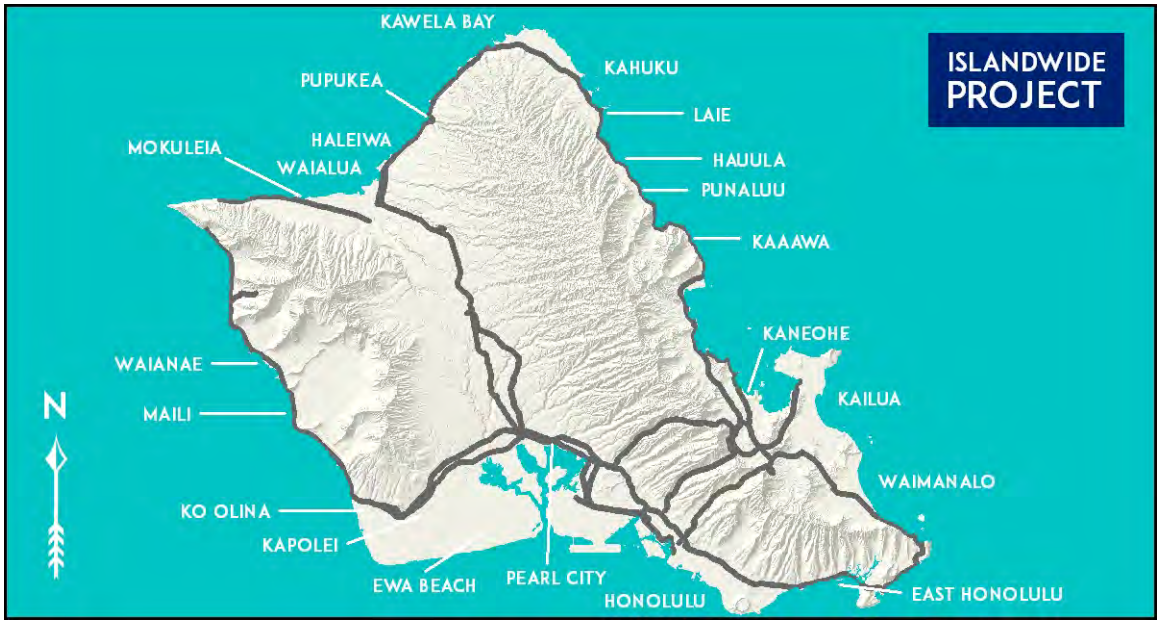
Project Sponsor: City and County of Honolulu (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
City Department of Design and Construction

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	
PE1	0	0	0	0	0	0	0	0	0	10	0	10	0	0	0	0	0	0	Local Only
PE2	0	0	0	0	0	0	0	0	0	500	0	500	10	0	10	0	0	0	Local Only
ROW	0	0	0	0	0	0	0	0	0	0	0	0	100	0	100	0	0	0	Local Only
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34,365	2,865	31,500	Local Only
INSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,000	0	9,000	STP Flex

OC8 Traffic Improvements at Various Locations



Project Description:
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.

Mile Post/s: Not applicable

Complete Streets (CS):

Project will implement: Kalapawai Triangle: Street trees, Village park-Paved shoulders, accessible curb ramps, and pedestrian countdown signals

Existing Feature/s: Kalapawai Triangle: New or wider sidewalks, planting strips, raised medians or refuge islands, roundabouts or mini-circles, and traffic calming features; Village Park: Shared-use paths of 10 feet or greater width, curb extension, new or wider sidewalks, pedestrian signals, such as audible or vibrotactile indicators, planting strips, raised medians or refuge islands, street trees, roundabouts; or mini-circles, and traffic calming features, Palolo Traffic Calming: Curb extension, accessible curb ramps, new or wider sidewalks, pedestrian countdown signals, pedestrian signals, such as audible or vibrotactile indicators, planting strips, raised medians or refuge islands, street trees, roundabouts or mini-circles, and traffic calming features

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: $9,244,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: City and County of Honolulu (FHWA Funded)

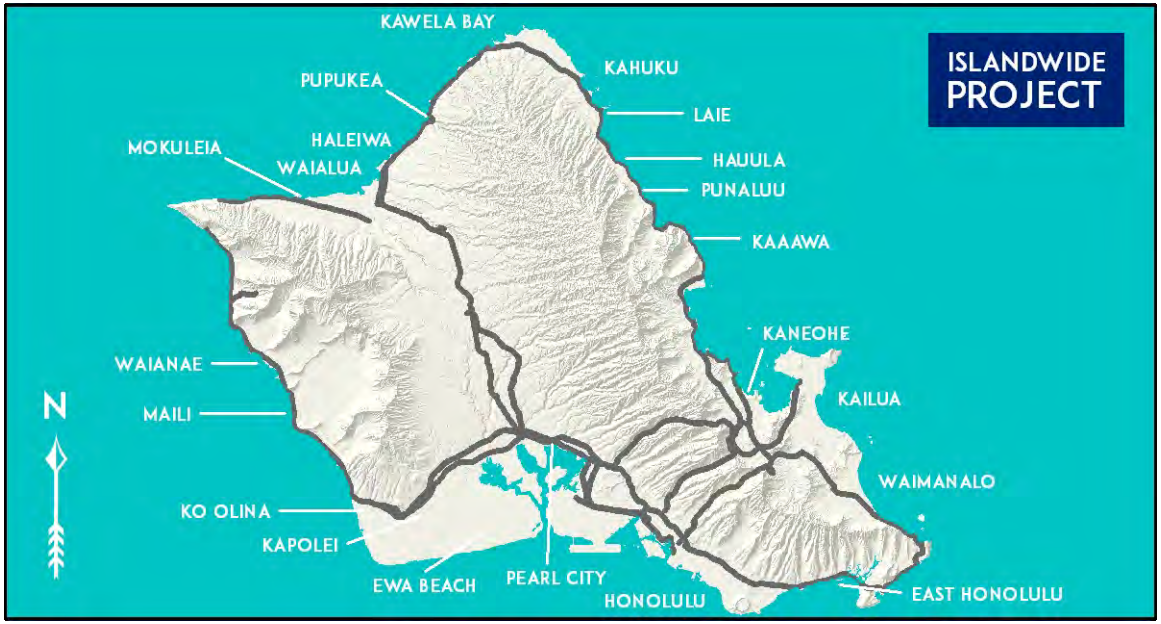
Agency Responsible for Carrying Out Project/Phase:
City Department of Transportation Services

OC8 Traffic Improvements at Various Locations

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
Phase 1 - Village Park/Kupuna Loop																			
DES	450	360	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
CON	0	0	0	0	0	0	0	0	0	2,185	1,750	435	0	0	0	0	0	0	STP Flex
INSP	0	0	0	0	0	0	0	0	0	250	200	50	0	0	0	0	0	0	STP Flex
Phase 2 - Kalaheo Avenue/Kailua Road																			
ROW	0	0	0	0	0	0	0	0	0	0	0	0	106	85	21	0	0	0	STP Flex
CON	0	0	0	0	0	0	0	0	0	0	0	0	1,590	1,272	318	0	0	0	STP Flex
INSP	0	0	0	0	0	0	0	0	0	0	0	0	265	212	53	0	0	0	STP Flex
Phase 3 - Liliha Street Design - Complete Streets																			
PE1	0	0	0	0	0	0	350	0	350	0	0	0	0	0	0	0	0	0	Local Only
PE2	0	0	0	0	0	0	0	0	0	250	0	250	0	0	0	0	0	0	Local Only
CON	0	0	0	0	0	0	0	0	0	0	0	0	1,625	0	1,625	0	0	0	Local Only
INSP	0	0	0	0	0	0	0	0	0	0	0	0	130	0	130	0	0	0	Local Only
Phase 4 - University Avenue Design - Complete Streets																			
PE1	0	0	0	0	0	0	0	0	0	425	0	425	0	0	0	0	0	0	Local Only
PE2	0	0	0	0	0	0	0	0	0	0	0	0	125	0	125	0	0	0	Local Only
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,178	0	1,178	Local Only
INSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
Phase 5 - Mahoe and Waipahu Streets																			
PE1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
PE2	0	0	0	0	0	0	0	0	0	300	0	300	0	0	0	0	0	0	Local Only
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
INSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
Phase 6 - TBD - DES 2020																			
PE1	0	0	0	0	0	0	0	0	0	0	0	0	125	100	25	0	0	0	STP Flex
PE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	425	300	125	STP Flex
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
INSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex

OC9 Traffic Signal Optimization



Project Description:
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.

Mile Post/s: Not applicable

Complete Streets (CS):

Project will implement: Not applicable
Existing Feature/s: Not applicable

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: $803,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

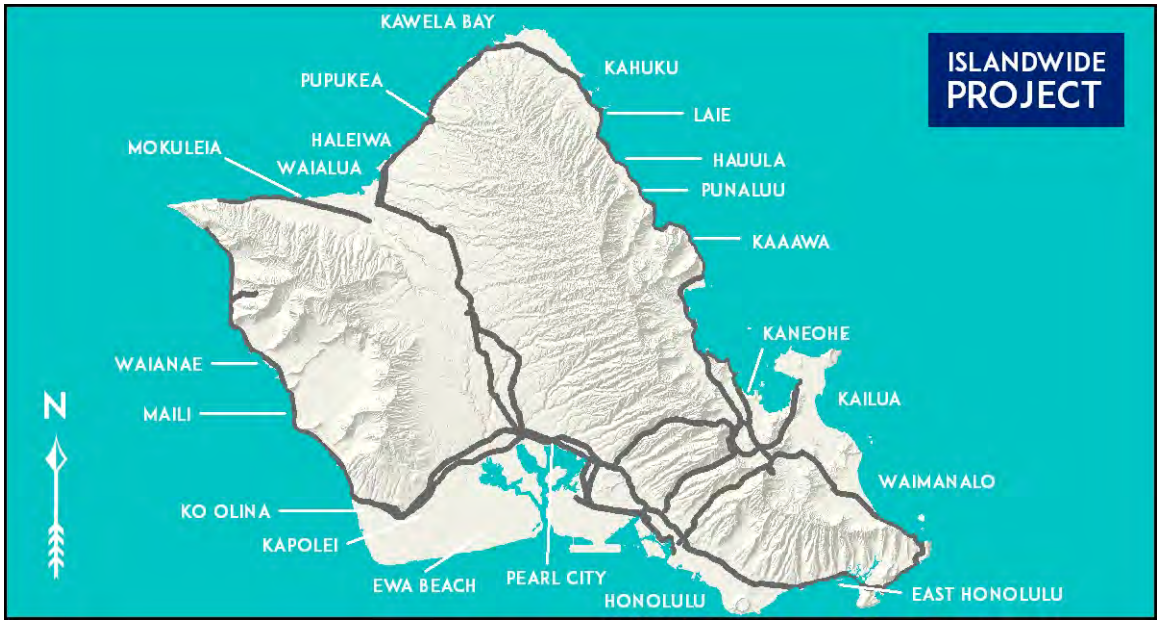
Project Sponsor: City and County of Honolulu (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
Phase 6: Kapolei, Ewa, and Makakilo areas																			
PE1	0	0	0	0	0	0	0	0	0	0	0	0	390	312	78	0	0	0	STP Flex
PE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	260	208	52	STP Flex
Phase 7 (TBD)																			
PE1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	Local Only
PE2	0	0	0	0	0	0	0	0	0	100	0	100	0	0	0	0	0	0	Local Only
Phase 8 (TBD)																			
PE1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	Local Only
PE2	0	0	0	0	0	0	0	0	0	0	0	0	100	0	100	0	0	0	Local Only

OC10 Traffic Signals at Various Locations



Project Description:
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. Phase 20 includes upgrades to the existing time-of-day coordinated traffic signal systems to the new generation of Adaptive Traffic Control Technology (ATCT) operations along an estimated 20 routes.

Mile Post/s: Not applicable

Complete Streets (CS):

Project will implement: Not applicable
Existing Feature/s: Not applicable

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: $23,515,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

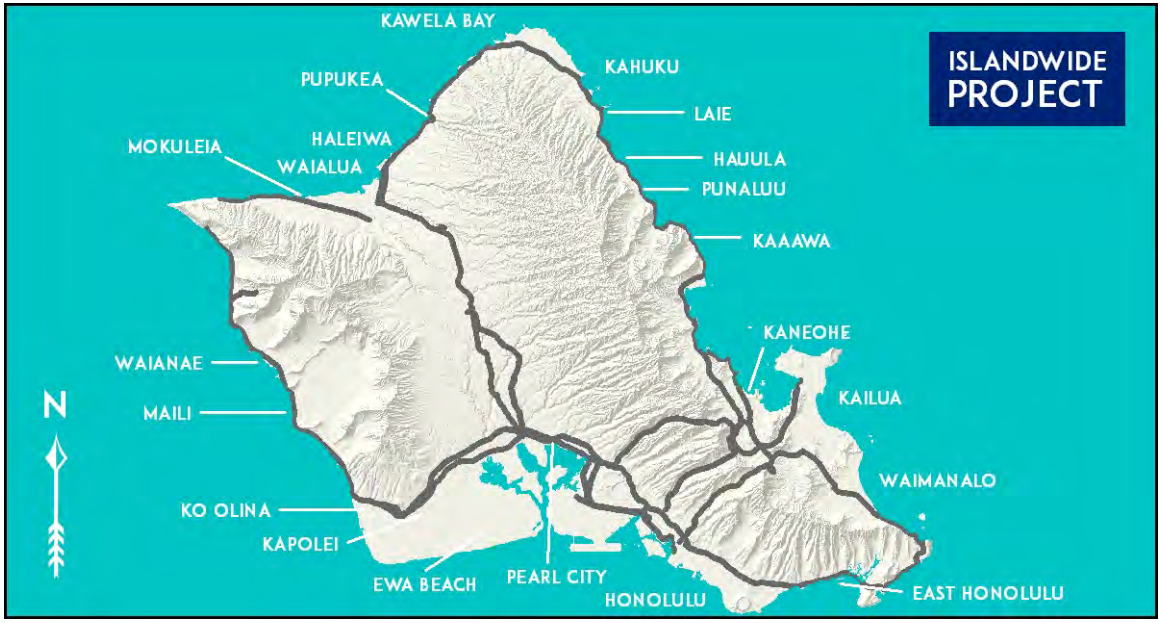
Project Sponsor: City and County of Honolulu (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
City Department of Transportation Services

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
Phase 15 - South King Street/Kealamakai Street, Prospect Street/Prospect Place (Flashing beacon with signs), Makaloa Street/Sheridan Street, Prospect Street, California Avenue/Wahiawa District Park																			
CON	3,496	2,800	696	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
EQP	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
Phase 16 - Kapiolani Boulevard/Kaimuki Avenue, King Street/Ward Avenue, Salt Lake Boulevard/Radford Drive, Ulune Street/Service Road, Farrington Highway/Nanaikeola Street, Nehoa Street/Mott-Smith Drive, Ala Ilima Street/Ala Lilikoi Street, Kamehameha High																			
CON	0	0	0	0	0	0	3,515	2,812	703	0	0	0	0	0	0	0	0	0	STP Flex
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
Phase 17 - Kuulei Road/Aulike Street, Kamehameha Highway/Haiku Road, King Street/Church Lane, Ahua Street/Kilihau Street, Kuala Street/Acacia Road, King Street/Pensacola Street, Kamehameha Highway/Pahia Road																			
CON	0	0	0	0	0	0	0	0	0	3,872	3,092	780	0	0	0	0	0	0	STP Flex
EQP	0	0	0	0	0	0	5	0	5	4	0	4	0	0	0	0	0	0	Local Only
Phase 18 - Renton Road/Pahika Street, Kapiolani at Pumehana Street (Rapid Flashing Beacons), School Street/Houghtailing Street, Kapiolani Boulevard/Atkinson Drive, Kapiolani Boulevard/Kalakaua Avenue, Moanalua Road/Hoomalu Street																			
DES	438	350	88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
CON	0	0	0	0	0	0	0	0	0	0	0	0	2,882	2,305	577	0	0	0	STP Flex
EQP	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	0	0	0	Local Only
Phase 19 - Waialae Avenue at 16th Avenue, Moanalua Road at Ualo Street																			
PE1	0	0	0	274	219	55	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
PE2	0	0	0	0	0	0	0	0	0	188	150	38	0	0	0	0	0	0	STP Flex
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,205	3,364	841	STP Flex
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	Local Only
Phase 20 - King St/Punahou St, Makuahine/Hala Dr, Hawaii Kai/Kalalea, Kamehameha Hwy/Waikalua Rd, Ward Ave/Lunalilo, Kapahulu Interconnect																			
PE1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
PE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
Phase 21 - Mehaula Pkwy/Ainamakua Dr (audio Ped), Kapiolani/Ward, Kapiolani/McCully																			
PE1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
PE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex

OC25 Transportation Alternatives Program at Various Locations



Project Description:
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. HART projects may be flexed from FHWA to FTA.

Mile Post/s:

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: http://www.oahumpo.org/resources/publications-and-reports/transportation-alternatives-program-oahu/

Neighborhood(s): Various Locations

Estimated Total Project Cost: $7,889,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: City and County of Honolulu (FHWA Funded)

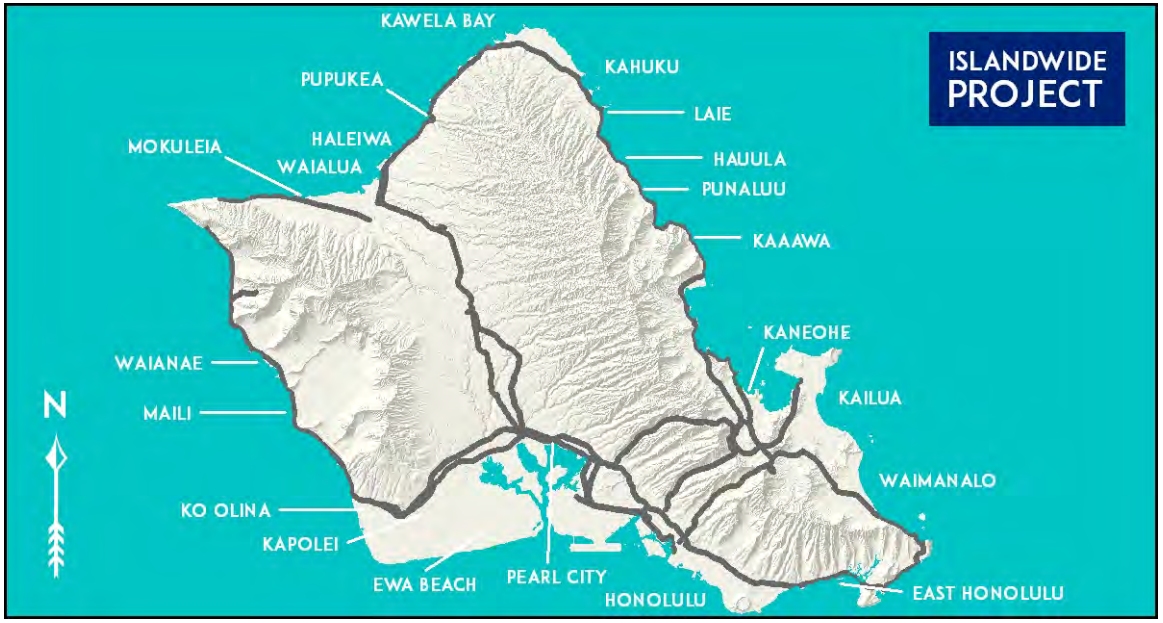
Agency Responsible for Carrying Out Project/Phase:
City Department of Transportation Services/HART

OC25 Transportation Alternatives Program at Various Locations

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
1 - HART Secure Bike Storage Units (FHWA to FTA Flex Funds: Estimated Total Project Cost - $500,000)																			
CON	0	0	0	500	400	100	0	0	0	0	0	0	0	0	0	0	0	0	TAP-U
2 - HART Middle Loch Connector (FHWA to FTA Flex Funds: Estimated Total Project Cost - $500,000)																			
CON	0	0	0	500	400	100	0	0	0	0	0	0	0	0	0	0	0	0	TAP-U
3 - Ala Wai Bridge Project (Estimated Total Project Cost - $6,000,000)																			
PE1	0	0	0	0	0	0	0	0	0	500	400	100	0	0	0	0	0	0	TAP-U
PE2	0	0	0	0	0	0	0	0	0	0	0	0				0	0	0	TAP-U
4 - Bikeshare Equipment for Honolulu System Expansion (Estimated Total Project Cost - $5,723,000)																			
EQP	0	0	0	0	0	0	3,811	3,049	762	0	0	0	0	0	0	0	0	0	TAP-U
5 - East Kapolei Rail Station Multi-modal Access Improvements (Estimated Total Project Cost - $8,400,000)																			
PE1	0	0	0	0	0	0	600	0	600	0	0	0	0	0	0	0	0	0	TAP-U
PE2	0	0	0	0	0	0	0	0	0	1,000	800	200	0	0	0	0	0	0	TAP-U
6 - TBD (Estimated Total Project Cost - $4,389,000)																			
PE2	0	0	0	0	0	0	0	0	0	0	0	0	3,389	2,711	678	1,000	800	200	TAP-U

OC26 Transportation Alternative Program (State)



Project Description:
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 State TAP Project Evaluation and Ranking process. HART projects may be flexed from FHWA to FTA.

Mile Post/s: Not applicable

Complete Streets (CS):

Project will implement: Not applicable

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Islandwide

Estimated Total Project Cost: $2,300,000

(May include project costs outside of the 4-year TIP and 2 informational years.)

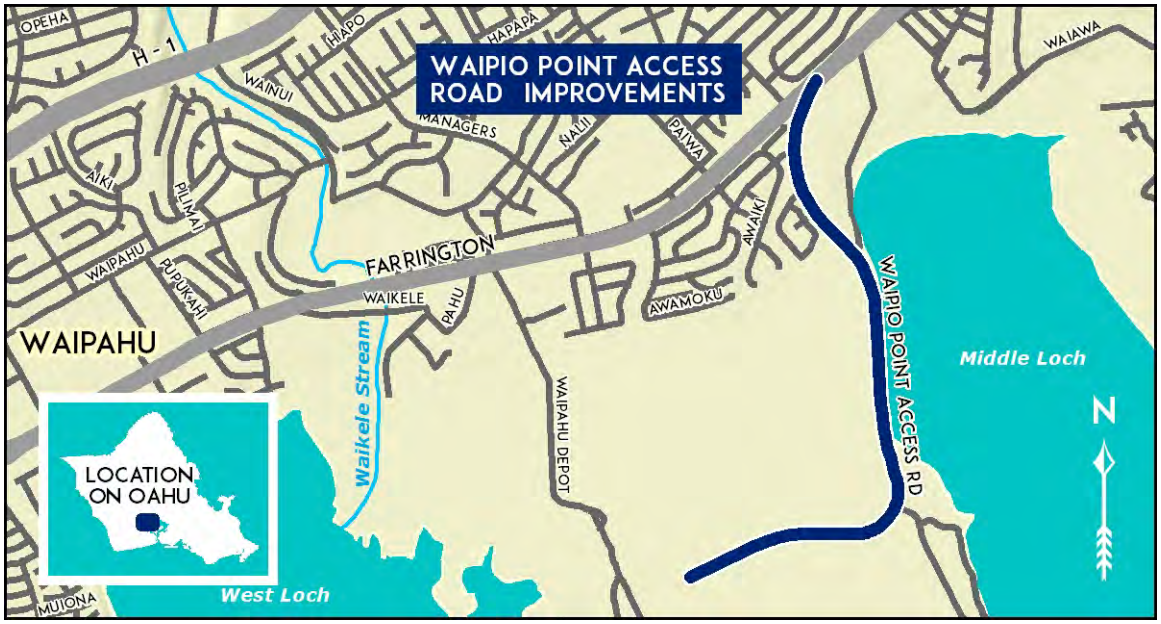
Project Sponsor: City and County of Honolulu (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
City Department of Transportation Services/HART

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
Phase 1 - HART Chinatown Bike Facility (FHWA to FTA Flex Funds)																			
PE2/CON	0	0	0	250	200	50	0	0	0	0	0	0	0	0	0	0	0	0	TAP
Phase 3 - Haleiwa Road Multi-Use Path																			
PE1	0	0	0	225	172	53	0	0	0	0	0	0	0	0	0	0	0	0	TAP
Phase 4 - Purchase of Bike Share Stations and Bikes																			
EQP	0	0	0	1,254	999	255	0	0	0	0	0	0	0	0	0	0	0	0	TAP
Phase 5 - Transit Oriented Development Wayfinding Master Plan																			
PE1	0	0	0	170	128	42	0	0	0	0	0	0	0	0	0	0	0	0	TAP

OC11 Waipio Point Access Road (Route 7139) Improvements



Project Description:
Construct various improvements to Waipio Point Access Road, including drainage, parking, roadway, and pedestrian/bike improvements. Improve traffic on a two-lane collector road between the entrance to Waipio Soccer Park and the Oahu Railway and Land Company (OR&L) bicycle/pedestrian path. Project improvements would fulfill Grant of Easement (GOE) requirements that were conditions imposed upon the City as part of the access needs for the Waipio Soccer Park complex development.

Mile Post/s: Not applicable

Complete Streets (CS):

Project will implement: Bicycle lanes of 5 feet or greater width and shared-use paths of 10 feet or greater width

Existing Feature/s: Paved shoulders and shared-use paths of 10 feet or greater width

Project Website: None

Neighborhood(s): Waipahu

Estimated Total Project Cost: $3,753,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: City and County of Honolulu (FHWA Funded)

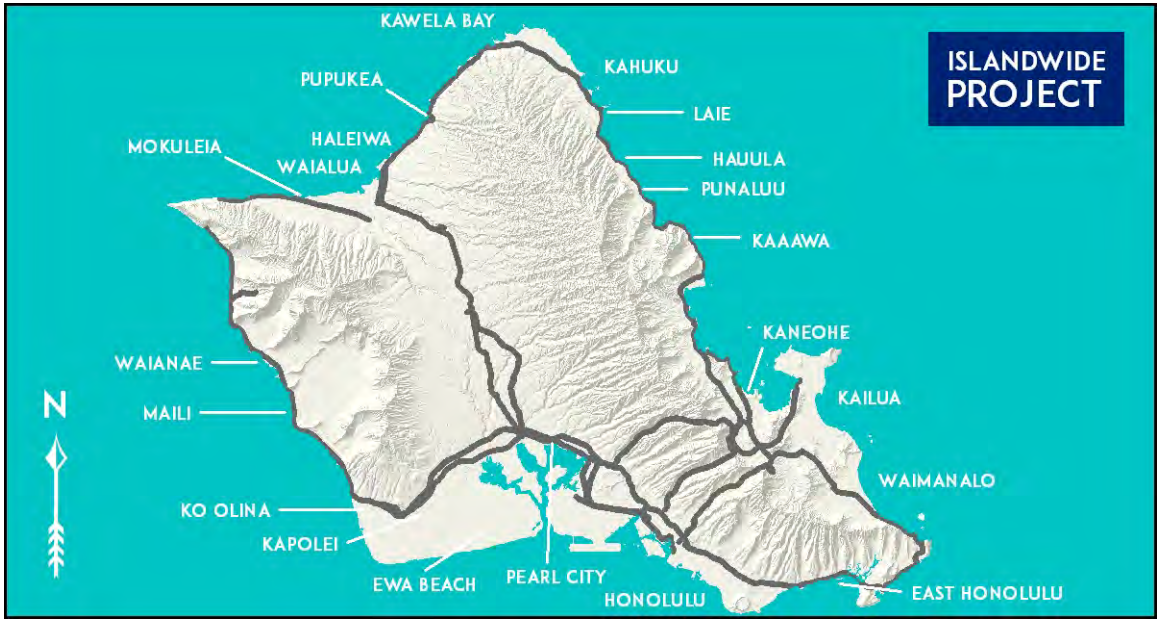
Agency Responsible for Carrying Out Project/Phase:
City Department of Transportation Services

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Funding Category
CON	158	96	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex

6.2.2.2 FTA-Funded Oahu City (OC) Projects

OC12 Agency-Provided Trips



Project Description:
Establish selected human service agencies as transportation providers serving their own clients who currently ride TheHandi-Van, and provide operating funds for the service. The result of this service by agencies would reduce overall operating costs while improving service quality for riders of both the agency services and those riding TheHandi-Van.

Mile Post/s: Not applicable

Complete Streets (CS):

Project will implement: Not applicable
Existing Feature/s: Not applicable

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: $11,899,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: City and County of Honolulu (FTA Funded)

Agency Responsible for Carrying Out Project/Phase:
City Department of Transportation Services

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Funding Category
OPR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340
OPR	334	167	167	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340(2014
OPR	0	0	0	209	104	105	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340(2015
OPR	512	249	263	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5310 (2013)
OPR	0	0	0	722	307	415	0	0	0	0	0	0	0	0	0	0	0	0	§5310 (2014)
OPR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5310-Urban
OPR	733	0	733	1,087	0	1,087	2,259	0	2,259	3,100	0	3,100	3,223	0	3,223	3,352	0	3,352	Local Only

OC13 Bus and Handi-Van Acquisition Program

Project Description:
Purchase replacement transit buses and Handi-Van vehicles.

By FFY:
2015: 17-40' buses + 19-60' buses + 19 small vans + 6 <30' buses
2016: 30 <30' vehicles + 0-35' buses + 15-40' buses + 10-60' buses.
2018: 60 < 35' buses + 10-40' buses + 10-60' buses.

Mile Post/s: Not applicable

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: http://www.thebus.org and http://www.honolulu.gov/dts

Neighborhood(s): Various Locations

Estimated Total Project Cost: $153,918,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

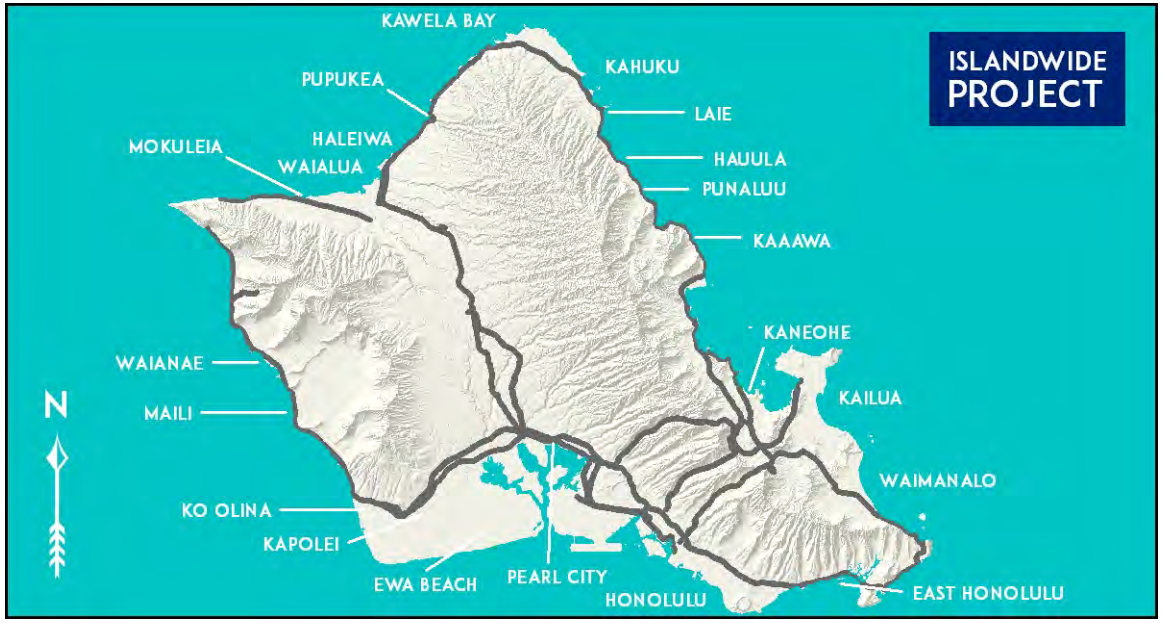
Project Sponsor: City and County of Honolulu (FTA Funded)

Agency Responsible for Carrying Out Project/Phase:
City Department of Transportation Services

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
~~INSP~~	~~0~~	~~0~~	~~0~~	~~48~~	~~38~~	~~10~~	~~10~~	~~0~~	~~10~~	~~49~~	~~39~~	~~10~~	~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~§5307/§5340(2015)~~
2015: 17-40' buses + 19-60' buses + 19 small vans + 6 <30' buses																			
EQP	15,086	11,461	3,625	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340(2014)
EQP	2,403	1,923	480	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5309(2012)
EQP	2,673	2,158	515	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5337 SOGR
EQP	8,636	6,909	1,727	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5339
2016: 3 icles + 0 s + 15-40' buses + 10-60' buses																			
EQP	0	0	0	3,688	2,519	1,169	0	0	0	0	0	0	0	0	0	0	0	0	§5307
EQP	0	0	0	13,018	10,414	2,604	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340(2015)
EQP	0	0	0	1,410	1,133	277	0	0	0	0	0	0	0	0	0	0	0	0	§5339
EQP	0	0	0	4,453	3,562	891	0	0	0	0	0	0	0	0	0	0	0	0	§5339(2014)
2017: 60 <30' buses + 10-40' buses + 10-60' buses																			
EQP	0	0	0	0	0	0	1,927	0	1,927	0	0	0	0	0	0	0	0	0	§5307/§5340
EQP	0	0	0	0	0	0	853	618	235	0	0	0	0	0	0	0	0	0	§5310-Urban
EQP	0	0	0	0	0	0	975	0	975	0	0	0	0	0	0	0	0	0	§5337 SOGR
EQP	0	0	0	0	0	0	1,501	0	1,501	0	0	0	0	0	0	0	0	0	§5339
2018: 60< 30' buses + 10-40' buses + 10-60' buses																			
EQP	0	0	0	0	0	0	0	0	0	14,823	11,858	2,965	0	0	0	0	0	0	§5307/§5340
EQP	0	0	0	0	0	0	0	0	0	801	641	160	0	0	0	0	0	0	§5310-Urban
EQP	0	0	0	0	0	0	0	0	0	4,550	3,640	910	0	0	0	0	0	0	§5337 SOGR
EQP	0	0	0	0	0	0	0	0	0	4,022	3,218	804	0	0	0	0	0	0	§5339(2016)
2019 (TBD)																			
EQP	0	0	0	0	0	0	0	0	0	0	0	0	20,825	18,594	2,231	0	0	0	§5307/§5340
EQP	0	0	0	0	0	0	0	0	0	0	0	0	1,533	1,226	307	0	0	0	§5337 SOGR
EQP	0	0	0	0	0	0	0	0	0	0	0	0	10,728	8,300	2,428	0	0	0	§5339(2016)
2020 (TBD)																			
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20,825	2,231	18,594	§5307/§5340
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,564	1,251	313	§5337 SOGR
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,480	2,496	984	§5339(2016)

OC14 Bus Stop ADA Access and Site Improvements



Project Description:
Modify bus stops to comply with the Americans with Disabilities Act (ADA). Improve the mobility independence for transit users of all ages and abilities, pedestrian access, and the number of ADA accessible bus stops.

This project incorprates the scope of three previously individual projects: OC14, Bus Stop ADA Access Improvements: OC15, Bus Stop Site Improvements; and OC22, Pedestrian Transit Connections.

Mile Post/s: Not applicable

Complete Streets (CS):

Project will implement: Not applicable
Existing Feature/s: Not applicable

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: $4,187,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

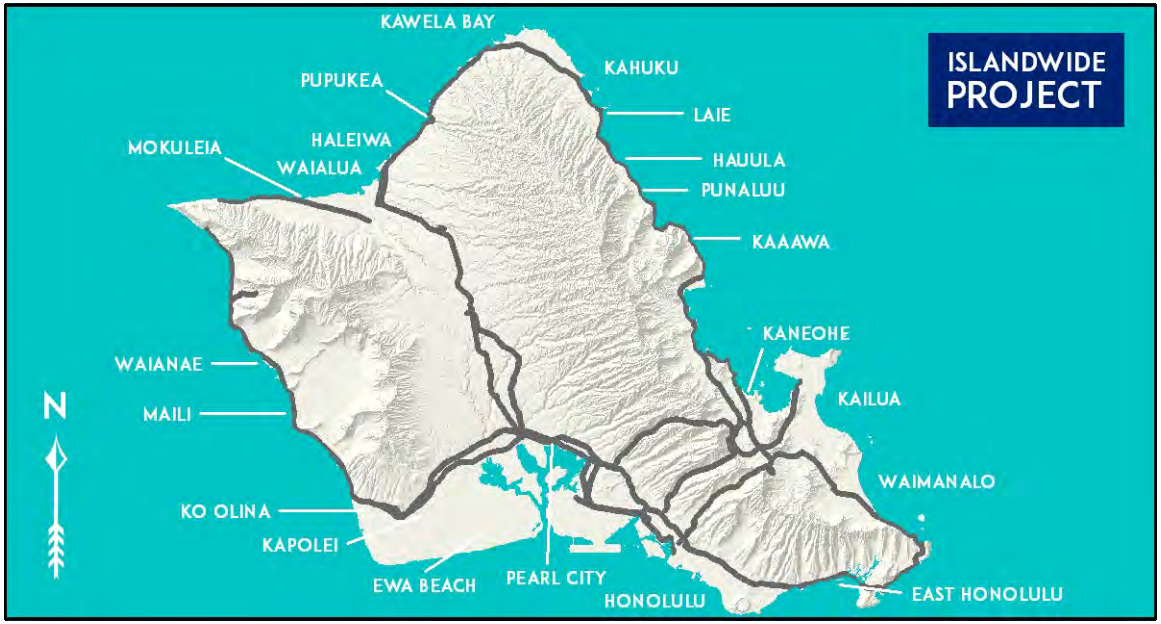
Project Sponsor: City and County of Honolulu (FTA Funded)

Agency Responsible for Carrying Out Project/Phase:
City Department of Transportation Services

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
PLN	1	0	1	5	0	5	5	0	5	5	0	5	1	0	1	1	0	1	Local Only
DES	270	0	270	365	0	365	365	0	365	365	0	365	270	0	270	270	0	270	Local Only
ROW	5	0	5	20	0	20	0	0	0	0	0	0	5	0	5	5	0	5	Local Only
CON	621	300	321	495	145	350	100	0	100	640	290	350	321	0	321	321	0	321	§5307/§5340
EQP	0	0	0	5	0	5	5	0	5	5	0	5	0	0	0	0	0	0	Local Only
REL	1	0	1	5	0	5	20	0	20	5	0	5	1	0	1	1	0	1	Local Only
INSP	0	0	0	0	0	0	0	0	0	20	0	20	0	0	0	0	0	0	Local Only

OC15 Bus Stop Site Improvements



Project Description:
This is an ongoing program to improve bus stops, bus shelters, benches, and other improvements at various locations. Site improvements will include walkway improvements, if needed at the bus stop.

Mile Post/s: Not applicable

Complete Streets (CS):

Project will implement: Not applicable
Existing Feature/s: Not applicable

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: $0
(May include project costs outside of the 4-year TIP and 2 informational years.)

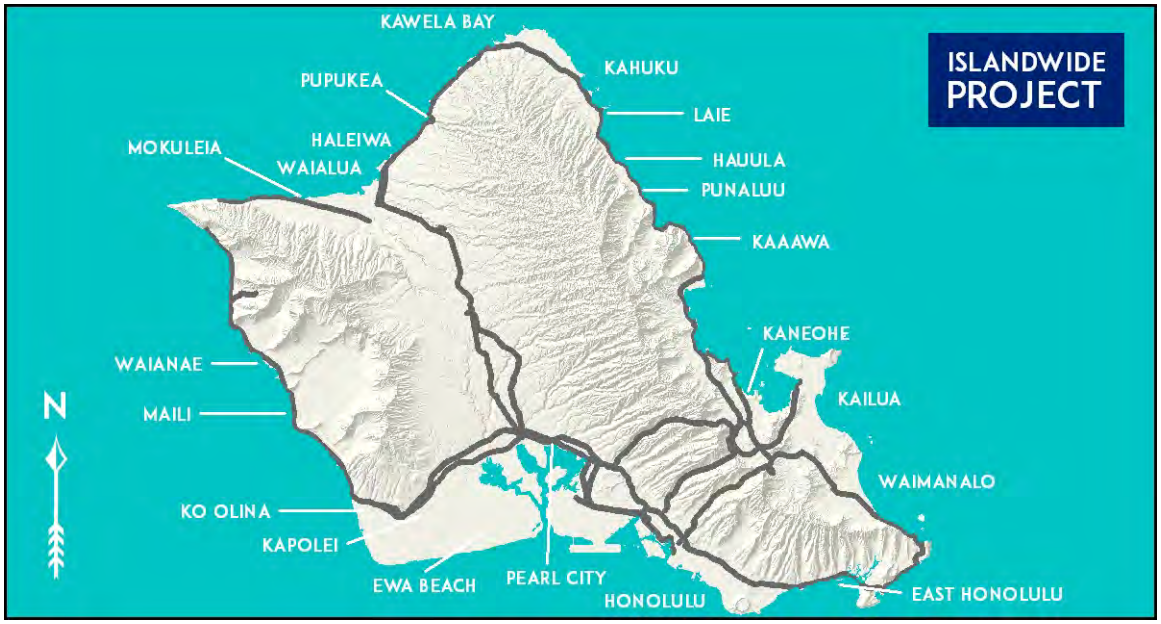
Project Sponsor: City and County of Honolulu (FTA Funded)

Agency Responsible for Carrying Out Project/Phase:
City Department of Transportation Services

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			Funding
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Category
PLN	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
DES	90	0	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
ROW	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
CON	1,735	1,330	405	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340
EQP	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only

OC24 Capital Training



Project Description:
Public Transit Division staff attendance at training workshops offered by the National Transit Institute.

Mile Post/s:

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: $150,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

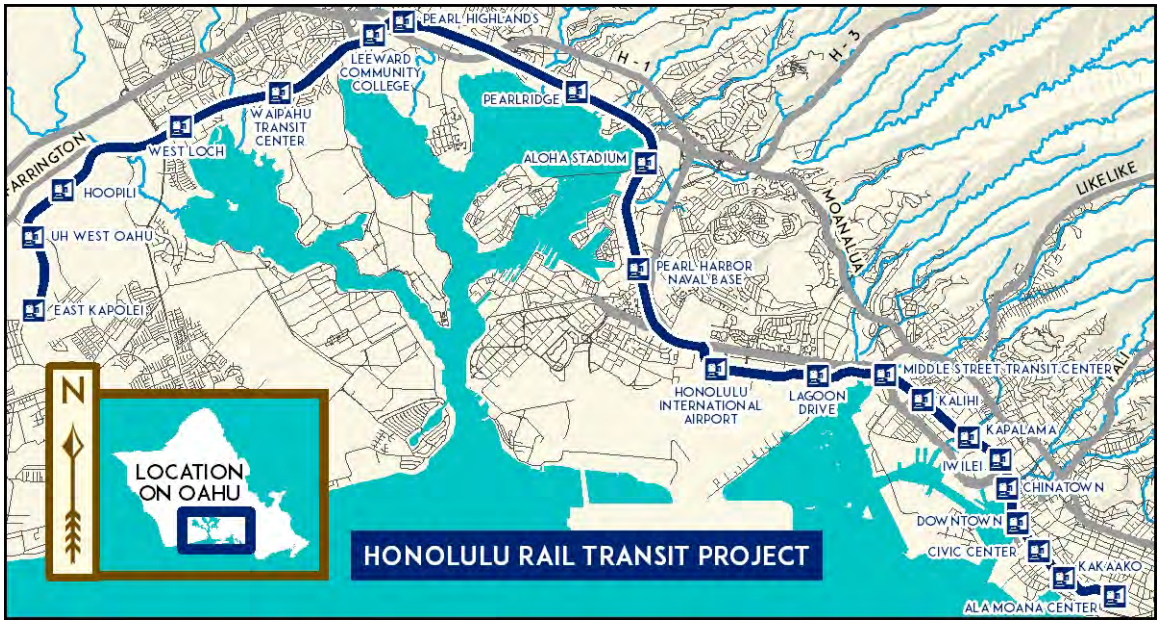
Project Sponsor: City and County of Honolulu (FTA Funded)

Agency Responsible for Carrying Out Project/Phase:
City Department of Transportation Services

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Funding Category
OPR	25	20	5	25	20	5	25	20	5	26	21	5	26	21	5	27	22	5	§5307/§5340

OC16 Honolulu Rail Transit Project



Project Description:
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.

Total estimate project cost (in year of expenditure dollars) is $5,163,693,000 (including finance charges): Planning = $25,027,000; Land Acquisition = $222,188,000; DES = $564,660,000; CON = $4,143,317,000; EQP = $208,501,000. The estimated total project cost reflects escalation calculated by FTA's Project Management Oversight Consultant. The estimated local share of total estimated costs (excluding unallocated contingency) is approximately $3,357,789,262 in year of expenditure dollars.

Mile Post/s: Not applicable

Complete Streets (CS):

Project will implement: Not applicable

Existing Feature/s: Not applicable

Project Website: http://www.honolulutransit.org

Neighborhood(s): Makakilo-Kapolei-Honokai Hale, Ewa, Waipahu, Pearl City

Estimated Total Project Cost: $5,163,693,000

(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: City and County of Honolulu (FTA Funded)

Agency Responsible for Carrying Out Project/Phase:
Honolulu Authority for Rapid Transportation

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
§5309 New Starts																			
HRTP	0	0	0	0	0	0	0	0	0	2,480,034	744,010	1,736,024	0	0	0	0	0	0	§ 5309 NS
FHWA to FTA Flex Funds: HDOT Highway Improvements (OS 64)																			
HRTP	0	0	0	0	0	0	18,827	18,000	827	18,750	15,000	3,750	0	0	0	0	0	0	§5307/§5340
FHWA to FTA Flex Funds: Transportation Alternatives Program (OC25 and OC26)																			
HRTP	0	0	0	0	0	0	0	0	0	1,250	1,000	250	0	0	0	0	0	0	§5307/§5340

OC17 Local Shuttle Service

Project Description:
This project will maintain shuttle services provided at Kalaeloa homeless shelter sites to address transportation needs of low-income persons working in the Kapolei and Makakilo areas. The mid-day and evening route will operate between the Kalaeloa shelter sites and the Kapolei Transit Center. Sufficient funds exist in the current project to operate until FFY 2018.

Mile Post/s: Not applicable

Complete Streets (CS):

Project will implement: Not applicable
Existing Feature/s: Not applicable

Project Website: None

Neighborhood(s): Makakilo-Kapolei-Honokai Hale

Estimated Total Project Cost: $1,319,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

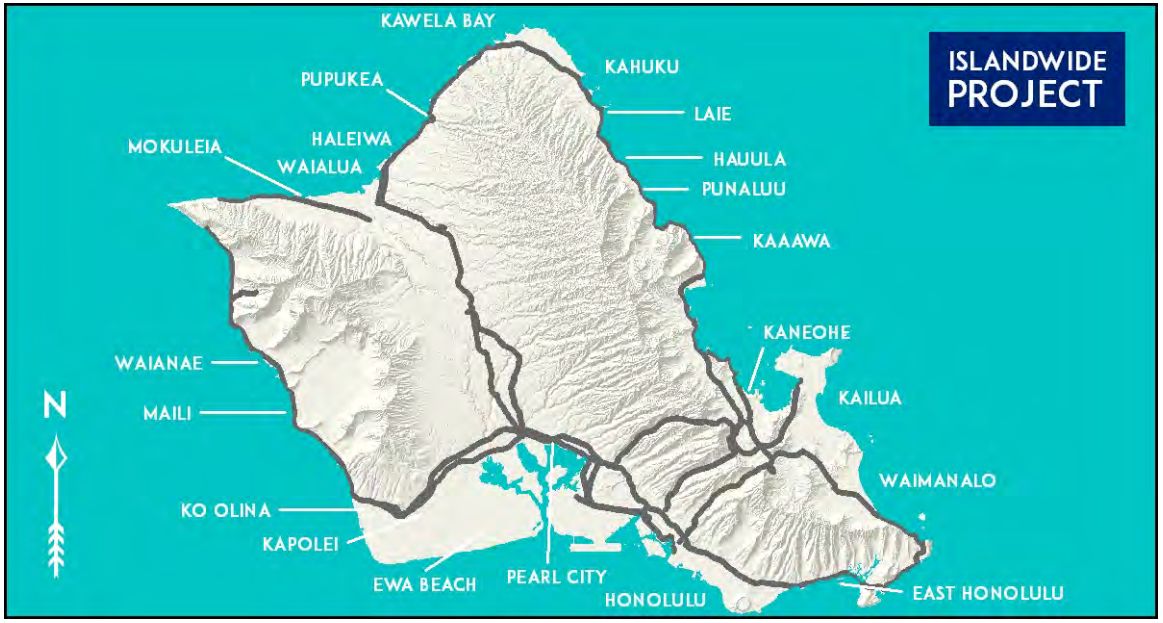
Project Sponsor: City and County of Honolulu (FTA Funded)

Agency Responsible for Carrying Out Project/Phase:
City Department of Transportation Services

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Funding Category
OPR	204	102	102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340(2014)
OPR	0	0	0	204	102	102	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340(2015)
OPR	0	0	0	0	0	0	260	0	260	270	0	270	280	0	280	291	0	291	Local Only

OC19 Mobility Management



Project Description:
Improve access to transportation for people with disabilities, seniors, and people with low incomes by coordinating transit and human service transportation.

Mile Post/s: Not applicable

Complete Streets (CS):

Project will implement: Not applicable
Existing Feature/s: Not applicable

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: $2,553,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

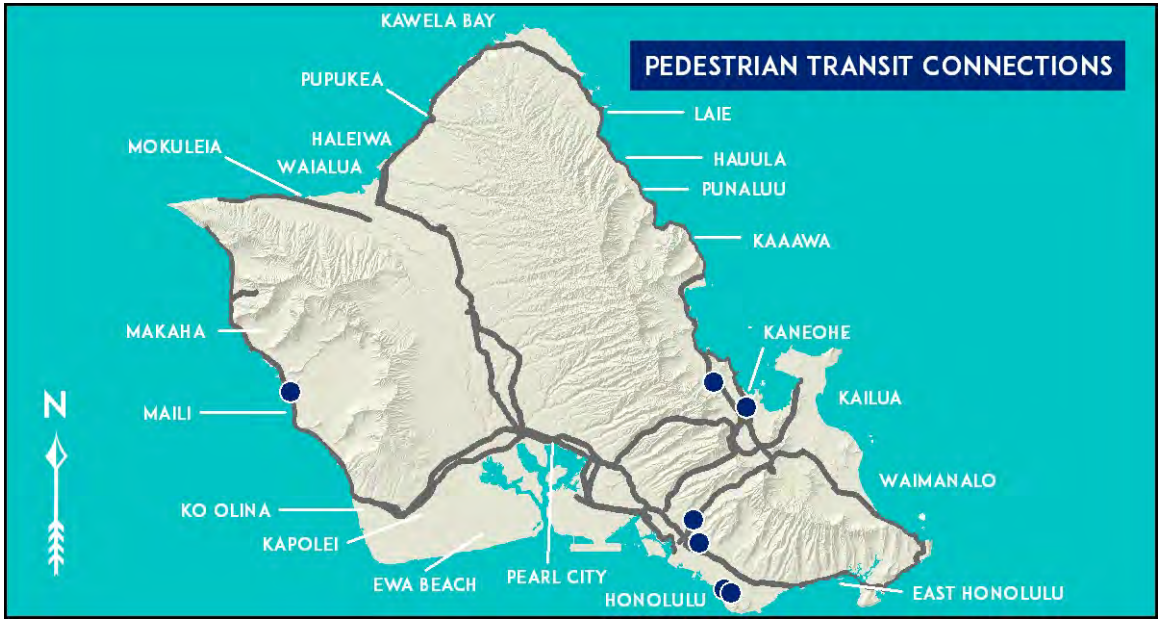
Project Sponsor: City and County of Honolulu (FTA Funded)

Agency Responsible for Carrying Out Project/Phase:
City Department of Transportation Services

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Funding Category
OPR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340
OPR	257	197	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340(2014
OPR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340(2015
OPR	92	76	16	0	0	0	0	0	0	0	0	0	458	0	458	476	0	476	§5310 (2013)
OPR	0	0	0	407	325	82	0	0	0	0	0	0	0	0	0	0	0	0	§5310 (2014)
OPR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5310-Urban

OC22 Pedestrian Transit Connections



Project Description:
Plan, design, construct, inspect, and provide equipment for pedestrian and bicycle safety and access improvements near bus stops and transit centers.

Mile Post/s:

Complete Streets (CS):

Project will implement: The sidewalks and paths will be designed to comply with ADA requirements. Some of these sidewalks will be used by bicyclists.

Existing Feature/s: The work mainly includes concrete and asphatic concrete paving.

Project Website: None

Neighborhood(s): Islandwide

Estimated Total Project Cost: $0
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: City and County of Honolulu (FTA Funded)

Agency Responsible for Carrying Out Project/Phase:
City Department of Transportation Services

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Funding Category
PLN	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
DES	250	0	250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
CON	1,120	1,100	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340(2014)
EQP	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
INSP	10	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only

OC20 Preventive Maintenance

Project Description:
Preventive maintenance of FTA-funded rolling stock (buses and Handi-Vans) includes parts, labor, and other related expenses.

Mile Post/s:

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: http://www.vanpoolhawaii.com

Neighborhood(s): Various Locations

Estimated Total Project Cost: $287,082,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: City and County of Honolulu (FTA Funded)

Agency Responsible for Carrying Out Project/Phase:
City Department of Transportation Services

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
OPR	32,927	17,265	15,662	41,638	21,833	19,805	0	0	0	86,000	58,000	28,000	31,250	25,000	6,250	31,250	25,000	6,250	§5307/§5340
OPR	4,304	2,257	2,047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340(2013
OPR	4,407	2,311	2,096	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340(2014

OC21 Transit Safety and Security Projects

SITES TO BE DETERMINED

Project Description:
Capital improvement projects at various locations will provide safety and security in transit vehicles: at future and existing bus stops and transit centers, park-and-ride lots, and bus maintenance facilties.

Mile Post/s: Not applicable

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: $2,023,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

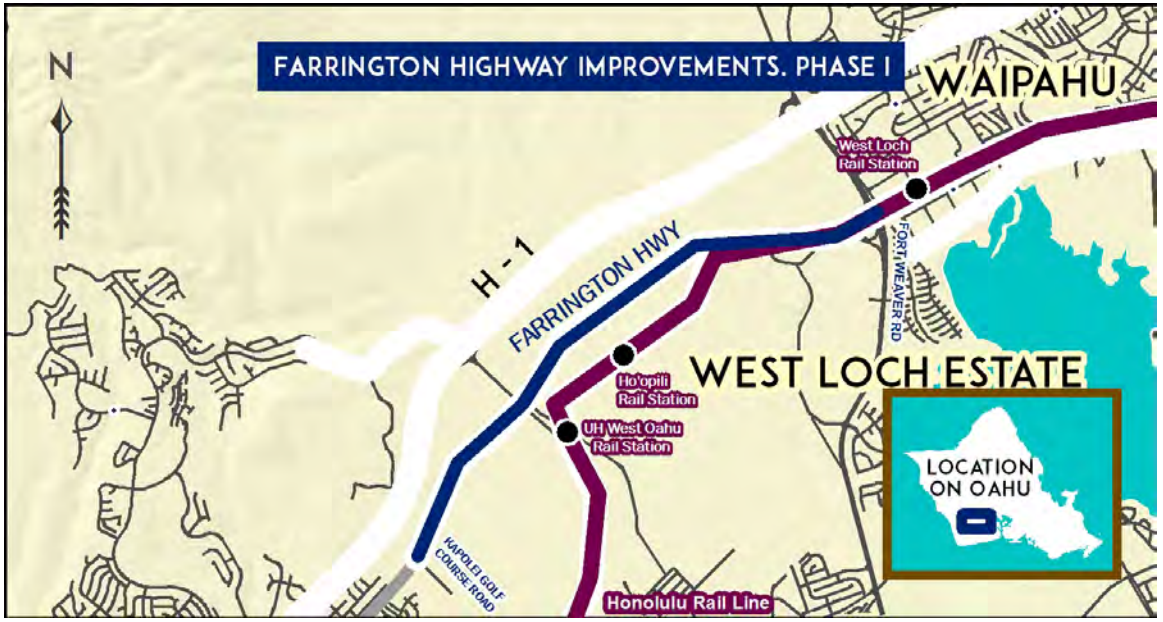
Project Sponsor: City and County of Honolulu (FTA Funded)

Agency Responsible for Carrying Out Project/Phase:
City Department of Transportation Services

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
PLN	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	0	0	0	Local Only
DES	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	0	0	0	Local Only
CON	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	0	0	0	Local Only
EQP	413	330	83	356	296	60	75	0	75	680	604	76	389	311	78	396	317	79	§5307/§5340

OC27 Farrington Highway (Routes 7100 and 9107) Improvements



Project Description:
Construct improvements to enhance sub-regional roadway connectivity and mobility, increase capacity and accommodate multimodal transportation options, from Kapolei Golf Course Road to west of Fort Weaver Road. The project might be constructed in phases.

Mile Post/s:

Complete Streets (CS):

Project will implement: No information available. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Ewa, Waipahu

Estimated Total Project Cost: $142,050,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: City and County of Honolulu (Locally Funded)

Agency Responsible for Carrying Out Project/Phase:
City Department of Design and Construction

All values are in thousands of U.S. dollars (x1000)

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
PE1	0	0	0	0	0	0	10	0	10	90	0	90	50	0	50	0	0	0	Local Only
PE2	0	0	0	0	0	0	990	0	990	10	0	10	4,000	0	4,000	1,000	0	1,000	Local Only
ROW	0	0	0	0	0	0	0	0	0	900	0	900	0	0	0	15,000	0	15,000	Local Only
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only

6.3 FUNDING SUMMARY

	FFYS 2015-2018 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)												ILLUSTRATIVE YEARS FOR INFORMATION ONLY					
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020		
	TOTAL	FEDERAL	LOCAL	TOTAL	FEDERAL	LOCAL	TOTAL	FEDERAL	LOCAL	TOTAL	FEDERAL	LOCAL	TOTAL	FEDERAL	LOCAL	TOTAL	FEDERAL	LOCAL
FHWA - FUNDED PROJECTS																		
Oahu State (OS)																		
As of Revision 20	158,769	89,719	69,050	100,095	68,760	31,335	283,796	90,884	192,912	144,891	82,512	62,379	175,889	162,448	13,441	148,785	134,530	14,255
Revision 21 Changes	0	0	0	0	0	0	(2,500)	0	(2,500)	(26,847)	(2,466)	(24,381)	(11,002)	(19,334)	8,332	(8,355)	(17,164)	8,809
Total as of Revision 21	158,769	89,719	69,050	100,095	68,760	31,335	281,296	90,884	190,412	118,044	80,046	37,998	164,887	143,114	21,773	140,430	117,366	23,064
Oahu City (OC)																		
As of Revision 20	29,508	17,000	12,508	29,153	19,239	9,914	11,479	6,593	4,886	51,930	18,254	33,676	52,658	19,497	33,161	13,152	9,493	3,659
Revision 21 Changes	0	0	0	0	0	0	1,000	0	1,000	(37,662)	(10,172)	(27,490)	(35,840)	(11,000)	(24,840)	59,365	2,865	56,500
Total as of Revision 21	29,508	17,000	12,508	29,153	19,239	9,914	12,479	6,593	5,886	14,268	8,082	6,186	16,818	8,497	8,321	72,517	12,358	60,159
TOTAL FHWA	188,277	106,719	81,558	129,248	87,999	41,249	293,775	97,477	196,298	132,312	88,128	44,184	181,705	151,611	30,094	212,947	129,724	83,223

	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020		
	TOTAL	FEDERAL	LOCAL	TOTAL	FEDERAL	LOCAL	TOTAL	FEDERAL	LOCAL	TOTAL	FEDERAL	LOCAL	TOTAL	FEDERAL	LOCAL	TOTAL	FEDERAL	LOCAL
FTA - FUNDED PROJECTS																		
Oahu State (OS)																		
As of Revision 20	482	385	97	497	397	100	1,387	1,109	278	810	647	163	836	667	169	863	688	175
Revision 21 Changes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total as of Revision 21	482	385	97	497	397	100	1,387	1,109	278	810	647	163	836	667	169	863	688	175
Oahu City (OC)																		
As of Revision 20	77,125	48,155	28,970	68,163	40,798	27,365	27,210	18,638	8,572	2,615,098	838,321	1,776,777	69,313	53,452	15,861	62,259	31,317	30,942
Revision 21 Changes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total as of Revision 21	77,125	48,155	28,970	68,163	40,798	27,365	27,210	18,638	8,572	2,615,098	838,321	1,776,777	69,313	53,452	15,861	62,259	31,317	30,942
TOTAL FTA	77,607	48,540	29,067	68,660	41,195	27,465	28,597	19,747	8,850	2,615,908	838,968	1,776,940	70,149	54,119	16,030	63,122	32,005	31,117

All values are in thousands of U.S. dollars (x1000).

6.4 FHWA REGULAR FORMULA FUNDS PROGRAMMED

	TRANSPORTATION IMPROVEMENT PROGRAM				FOR INFORMATION ONLY	
	FFY 2015	FFY 2016	FFY 2017	FFY 2018	FFY 2019	FFY 2020
Oahu State (OS)						
National Highway Performance Program	85,132	61,313	59,857	63,003	130,239	114,883
Earmark High Priority	0	0	0	0	2,200	0
Highway Safety Improvement Program	0	4,160	3,440	1,656	3,000	136
Interstate Maintenance Discretionary	4,300	0	2,300	0	0	0
Recreational Trails Program	287	287	287	287	287	287
Surface Transportation Program - Flexible	0	3,000	23,000	15,000	0	2,060
Re-Purposed Earmarks	0	0	2,000	0	0	0
Transportation Enhancement	0	0	0	100	7,388	0
Locally Funded	0	0	0	0	0	0
State - FHWA Total	**89,719**	**68,760**	**90,884**	**80,046**	**143,114**	**117,366**
Oahu City (OC)						
Bridge Off-System	720	720	0	720	800	800
Surface Transportation Program - Flexible	16,280	16,220	3,544	6,162	4,986	10,758
Transportation Alternatives Program - Urban	0	800	3,049	1,200	2,711	800
Transportation Alternatives Program	0	1,499	0	0	0	0
Locally Funded	0	0	0	0	0	0
City - FHWA Total	**17,000**	**19,239**	**6,593**	**8,082**	**8,497**	**12,358**
FHWA TOTAL	**106,719**	**87,999**	**97,477**	**88,128**	**151,611**	**129,724**

All values are in thousands of U.S. dollars (x1000).

7 FINANCIAL PLANNING

The primary sources of revenue underlying the surface transportation system for Oahu have been, and will continue to be our federal, state, and local governments. Federal funds are provided through the FHWA and the FTA. The FFYs 2015-2018 TIP is financially-constrained; that is, there is a reasonable expectation that projects can be implemented using committed, available, or reasonably available federal and local funding.

An inflation factor was used in the financial assumptions to reflect "year of expenditure" dollars. As of 2017, HDOT sets a compounded inflation rate of 2% for all STIP projects. Therefore, agencies were requested to apply a 2% inflation factor to all project estimates.

7.1 FUNDING SOURCES

7.1.1 FHWA Program

The FHWA funds are appropriated annually by Congress. The Fixing America's Surface Transportation (FAST) Act is the authorization bill that governs federal surface transportation spending. It was signed into law by President Barack Obama on December 4, 2015.

The previous authorization bill for federal surface transportation spending was the Moving Ahead for Progress in the 21st Century (MAP-21) Act. President Barack Obama signed it on July 6, 2012. MAP-21 reformed aspects of the prior authorization bill, SAFETEA-LU. Map-21 consolidated bicycle and pedestrian transportation projects into one program for Transportation Alternatives (TAP).

Prior to Map-21, SAFETEA-LU had been signed into law by President George W. Bush on August 10, 2005, and extended through 2010 by the Continuing Appropriations Resolution, 2010 (Public Law 111-68), as amended.

Currently, FAST has established about $170-$190 million in obligation authority, estimated to be available for the entire *State of Hawaii* each fiscal year. Detailed information on the revenues estimated to be available for the State of Hawaii is available in HDOT's FFYs 2015-2018 STIP. OahuMPO's TIP focuses on transportation programs and projects for the *island of Oahu* only.

In developing the FFYs 2015-2018 TIP, OahuMPO, HDOT, and DTS cooperatively formulated estimates of FHWA funds that were reasonably expected to be available for projects on the island of Oahu. Statewide funding distribution estimates were developed based on a combination of historic data, vehicle miles travelled (VMT) and public

needs. It was estimated that about $78 million would be available annually for projects sponsored by the State of Hawaii, and about $17 million would be available for projects sponsored by the City and County of Honolulu, for a total of about $95 million for the island of Oahu.

Under FAST Act, HDOT may transfer apportionments from one program to another (with associated repercussions). For example, HDOT may transfer up to 50% of its National Highway System apportionment to the Statewide Transportation Program apportionment. Therefore, the total amount of FHWA funds programmed is key. However, although this provides more immediate flexibility, transferring from one fund type to another reduces the ability to follow through with the intent of the fund and temporarily eliminates the possibility of applying for certain discretionary funds.

FHWA funding sources include:

- Congestion Mitigation Air Quality Improvement Program;
- Discretionary;
- Highway Safety Improvement Program;
- National Highway Performance Program;
- Recreational Trails Program;
- Surface Transportation Program (flexible);
- Transportation Alternatives; and
- Transportation Enhancement Program (residual).

Each of the funding sources is described below.

Congestion Mitigation & Air Quality Improvement Program

The Congestion Mitigation and Air Quality (CMAQ) Improvement Program provides funding for transportation projects or programs that will contribute to attainment or maintenance of the national ambient air quality standards for ozone, carbon monoxide, and particulate matter. Because Oahu is an air quality attainment area, CMAQ funds provide a flexible funding source for transportation projects. The FAST Act emphasizes diesel engine retrofits and alternative fuel infrastructure.

Discretionary

Discretionary funds are additional funds (not formula funds) that the federal government may decide to award to the region. Examples include Corridor Planning, Ferry Boats, System Preservation funding; Public Lands Highways funding; and congressional allocations.

Highway Safety Improvement Program

The purpose of the Highway Safety Improvement Program (HSIP) is to reduce traffic fatalities and serious injuries on all public roads. Projects must be consistent with the State's Safety Highway Safety Program, and must be identified on

the basis of crash experience, potential, rate, and/or other data-driven means.[3]

National Highway Performance Program

The National Highway Performance Program (NHPP) allows for the realization of varied functions including but not limited to support for its maintenance and performance, construction of new facilities, prevention of infrastructure-failure, and performance measure-based, asset management planning by individual state governments.

Residual sources of funding within NHPP include the National Highway System (NHS), which provided funding for improvements to rural and urban roads that are part of the NHS, including the Interstate System and designated connections to major intermodal terminals, because these roads are important to the nation's economy, defense, and mobility.

Another residual funding source is the Interstate Maintenance Program, which provided funding for resurfacing, restoring, rehabilitating, and reconstructing routes on the Interstate System.

Lastly, the Highway Bridge Program provided funding to improve the condition of highway bridges through replacement, rehabilitation, and systematic preventive maintenance. Bridge On-System funds were those for use on the Federal-aid highway system. Bridge Off-System funds were those for use not on the Federal-aid highway system.

Recreational Trails Program

The Recreational Trails Program (RTP) provides funds to develop and maintain recreational trails and trail-related facilities for both non-motorized and motorized recreational trail uses. Nationwide, federal transportation funds benefit recreation uses such as hiking, bicycling, in-line skating, equestrian use, cross-country skiing, snowmobiling, off-road motorcycling, all-terrain vehicle riding, four-wheel driving, or using other off-road motorized vehicles.

Surface Transportation Program

The Surface Transportation Program (STP) provides flexible funding that may be used for projects on any Federal-aid highway, including the NHPP, bridge projects on any public road, transit capital projects, and public bus terminals and facilities.

Transportation Alternatives

Transportation Alternatives (TA) is funded by set-aside Surface Transportation Block Grants. These include pedestrian and bicycle facilities, recreational trails, safe routes to school projects, historic preservation, vegetation management, and certain environmental mitigation.

[3] 23 U.S.C. 148(c)(2)(B)

Transportation Enhancement Program

The Transportation Enhancement (TE) Program funded activities or projects are those that add community or environmental value to any active or completed transportation project, and are over and above what is requried for normal environmental mitigation for transportation improvements. Funding ceased in 2013, but residual funds exist for some states if said funds were remained within their period of eligibility.

7.1.2 FTA Program

For financial constraint purposes, FTA formula apportionments, as estimated for FFYs 2015 and 2016 https://www.transit.dot.gov/), were used. For FFYs 2017 to 2018, the nationwide funding level is assumed to grow at an annual rate of 2.1%, consistent with the Congressional Budget Office forecast of the Highway Trust Fund revenues.

FTA funds include:

- §5307 Urbanized Area Formula;
- §5309 Fixed Guideway Modernization;
- §5309 New Starts;
- §5310 Enhanced Mobility;
- §5329 State Safety Oversight Program;
- §5337 State of Good Repair;
- §5339 Bus and Bus Facilities; and
- §5340 Growing States and High-Density States.

The following sections describe the various funding sources for FTA programs.

Urbanized Area Formula Program, 49 U.S.C. §5307

Section 5307 may be used for federal capital, operating, and planning assistance for transit in Urbanized Areas (UZAs), although operating assistance is generally not an eligible expense for UZAs with populations of 200,000 or more. A UZA is an area with a population of 50,000 or more that has been defined and designated as such in the most recent decennial census by the U.S. Census Bureau.

The City and County of Honolulu (City) is the designated recipient of funds apportioned to the Kailua-Kaneohe and Honolulu UZAs. The funds are apportioned based on legislative formulas, with different formulas applying to UZAs with populations less than 200,000 and UZAs with populations of 200,000 or more. The Kailua-Kaneohe UZA apportionment formula is based on population and population density statistics from the most recent decennial census. The Honolulu UZA apportionment formula is based on a combination of population and population density statistics, and validated mileage and transit service data in FTA's National Transit Database (NTD).

One percent of funds appropriated for Section 5307 is set aside for Small Transit Intensive Cities (STIC). FTA apportions these funds to UZAs under 200,000 in population that operate at a level of service equal to or

above the industry average level of service for all UZAs with a population of at least 200,000, but not more than 999,999, in one or more of six performance categories. FTA also apportions funds to urbanized areas under Section 5340 Growing States and High-Density States formula factors based on State population forecasts for 15 years beyond the most recent Census. Based on language in the SAFETEA-LU conference report, FTA consolidates the Section 5307, STIC, and Section 5340 amounts and identifies a single apportionment amount for each UZA. Section 5307 funds are available during the year of apportionment plus an additional three years, for a total of four years. The allocation of STIC will increase in FY 2019.

Section 5307 funds are programmed for transit vehicles and facilities, and preventive maintenance. FTA allows all maintenance costs as reported to the NTD to be eligible for capital assistance under "preventive maintenance."

Capital Investment Program, 49 U.S.C. §5309 – Fixed Guideway Modernization

Fixed Guideway Modernization (FGM) funds are apportioned by a statutory tiered formula to fixed guideway systems at least seven years old. In the City's case, the term "fixed guideway system" refers to facilities on which bus service operates on exclusive or controlled rights-of-way (e.g., Hotel Street), and high-occupancy vehicle lanes. Like the Section 5307 funds, NTD data is used to apportion FGM funds; the funds are available during the year of apportionment plus an additional three years, for a total of four years. Transit vehicles are the only programmed use for these funds.

Capital Investment Program, 49 U.S.C. §5309 – New Starts

New Starts funds are discretionary and are usually allocated by Congress. The New Starts program provides funds for construction of new fixed guideway systems or extensions to existing fixed guideway systems. Eligible purposes are light rail, rapid rail (heavy rail), commuter rail, monorail, automated fixed guideway system (such as a "people mover"), or a busway/high-occupancy vehicle facility, Bus Rapid Transit that is fixed guideway, or an extension of any of these.

The financial plan identifies three types of New Starts funds:

- Pre-FFY 2005 allocation that was extended until expended by the Conference Report on House Report 418, Consolidated Appropriations Act, 2005 (H.R. 108-792). These funds can be used for replacement, rehabilitation, and purchase of buses and related equipment and construction of bus-related facilities. The programmed use of these funds is to purchase transit vehicles.
- Post-FFY 2005 allocation for new fixed guideway systems or extensions to existing fixed guideway systems. These funds are programmed for the Honolulu Rail Transit Project.

The Post-FFY 2005 allocation was available during the year of allocation plus two additional years, for a total of three years dependent on availability of local matching funds.

Capital Investment Program, 49 U.S.C. §5310 – Enhanced Mobility of Seniors and Individuals with Disabilities

The TIP identifies specific types of transit-human services transportation projects that are statutorily-required, coordinated and public.

Enhanced Mobility is a pilot program which allows states and localities furnishing transit services to be direct recipients of program funds. To qualify, transportation services must link seniors and individuals with disabilities with non-emergency medical services.

State Safety Oversight Program, 49 U.S.C. §5329

The State Safety Oversight Program provides monies for the safety compliance of federally-funded public transit projects, and facilitates safety improvements for said projects. This program ensures compliance by separating Safety Oversight from the rail agencies that are being reviewed.

State of Good Repair Program, 49 U.S.C. §5337

The State of Good Repair (SOGR) funds exist to upkeep bus and rail transit systems. State of Good Repair currently funds maintenance of the Bus and Handi-van on Oahu. The FAST Act increased available SOGR funds.

Bus & Bus-Related Facilities, 49 U.S.C. §5339

Funds for Bus and Bus-Related Facilities (Bus Capital) funds are discretionary and are allocated for specific uses. Transit vehicles and facilities are programmed with these funds.

The TIP identifies specific types of transit-human services transportation projects that are statutorily-required, coordinated and public.

Growing States and High-Density States Formula, 49 U.S.C. §5340

Growing States and High--Density States Formula funding was established by SAFETEA-LU to supplement Urban Area Formula, pursuant to certain thresholds established by the FTA.

7.1.3 "Flexible" Funds

The Federal Highway and Transit Laws authorize certain funds to be "flexible." For example, FHWA Surface Transportation Program funds can be transferred from FHWA to FTA for use in transit projects, while FTA Urbanized Area Formula funds may be available for highway projects to the extent that OahuMPO is able to certify that:

7.1.4 Advance Construction

Advanced construction is a technique that allows a state to initiate a project using non-federal funds in the absence of sufficient Federal-aid obligation authority for the Federal match of funding[4]. This heightened eligibility means that FHWA has greatened the ability of transportation agencies to undertake concurrent projects. After an advance construction project is authorized, the State may convert the project to regular federal-aid funding, provided federal funds are made available for the project.

7.1.5 Local Funds

State of Hawaii Funds

The State of Hawaii imposes taxes, fees, and charges relating to the operation and use of motor vehicles on the public highways of the State. These funds are deposited into the State Highway Fund, established under Section 248-8 Hawaii Revised Statutes. Monies deposited in the State Highway Fund are used for acquisition, planning, design, construction, repair, and maintenance of the State Highway System.

The current taxes, fees, and charges deposited into the State Highway Fund consist of:

- Highway fuel taxes;
- Vehicle registration and licensing fees;
- Vehicle weight tax;
- Motor vehicle rental and tour vehicle surcharge taxes.

Other miscellaneous sources of revenue include interest earnings on monies previously credited to the State Highway Fund, vehicle weight tax penalties, certain rental income from State Highway System properties, passenger motor vehicle inspection charges, overweight permits, sales of surplus lands, commercial license fees, and other miscellaneous revenues.

Every other year, the Governor submits to the State Legislature the Administration's biennium budget. The Legislature reviews the biennium budget in detail and authorizes all or a portion of the biennium budget and the individual capital improvement projects.

Authorization of the operating and capital improvement budgets by the Legislature, as part of the biennium budget, includes the appropriation of monies from designated sources. These appropriations authorize the funding for the local match for the State's federal-aid projects in the TIP.

[4] 23 U.S.C. 115

City and County of Honolulu Funds

Where local funding is identified in the FFYs 2015-2018 TIP for City projects, City funds from existing revenue sources are programmed. The City exercises independent authority under the Hawaii State Constitution to assess, levy, and collect real property taxes. The Hawaii Revised Statutes authorizes the City to fix the fees and charges for all public services not otherwise provided for by the State and to issue general obligation bonds to finance its public improvement projects.

Under its Revised Charter, the City enacts balanced operating and capital budgets annually. The City operates on a 12-month fiscal year that begins on July 1st and ends on June 30th of the succeeding year. Appropriations authorized in the executive capital budget ordinance or any supplementary appropriation is valid for the fiscal year for which appropriation is made and twelve months thereafter; e.g., funds appropriated by the FFY 2017 capital budget ordinance are valid from July 1, 2016 until June 30, 2018 (Federal Fiscal Year 2017, quarter 3).

The City's bus preventive maintenance costs are funded by the City's annual operating budget. The Federal share of preventive maintenance costs are programmed on a reimbursable basis; i.e., funds appropriated for the City's FFY 2017 operating budget paid for preventive maintenance costs, and the Federal reimbursement was applied for and received in FFY 2017.

While it is anticipated that local funding will be available at the levels programmed in this document, enactment of the City's annual budget ordinances are still required.

Honolulu Authority for Rapid Transportation Funds

The Honolulu Authority for Rapid Transportation (HART) is a semi-autonomous public agency that is building the Honolulu Rail Transit Project. The local share of project costs is currently funded through a dedicated ½-percent surcharge on the-State General Excise and Use Tax (GET) and a 1 percent surcharge on the Transient Accommodation Tax (TAX) until 2030.

7.2 ANNUAL FINANCIAL PLANS FOR MAJOR PROJECTS

Title 23 United States Code Section 106 requires recipients of Federal financial assistance for projects to develop an annual Financial Plan for those projects that fall into either of the following two tiers:

- Projects with an estimated total project cost of $500 million or more (Major Projects: 23 U.S.C. 106(h)); or
- Projects with an estimated total project cost between $100 million and $500 million (Major Projects Other - 23 USC 106(i)).

At the FHWA Hawaii Division Administrator's discretion, projects within the State of Hawaii that fall in the range of

$90-$100 million may also be required to prepare a Financial Plan.

Projects meeting these thresholds shall have Financial Plans and Annual Updates prepared by the Project Owner. The Project Owner can determine the effective date of the Annual Update submission. It could be on the anniversary of the initial financial plan or coincide with the State's fiscal year.

The FHWA Hawaii Division may provide assistance in developing Financial Plans and obtaining a Financial Plan template for Major Projects. For more information about Major Project requirements and Major Project financial plans, see the following FHWA websites:

- http://www.fhwa.dot.gov/programadmin/mega/; and
- http://www.fhwa.dot.gov/programadmin/mega/fplans.cfm.

7.3 FINANCIAL CONSTRAINT TABLES

The tables demonstrate the financial constraint of each of the funding sources for each fiscal year.

7.3.1 FHWA Financial Constraint

The FHWA program is financially constrained, as demonstrated in the following financial constraint tables. As discussed earlier, the amount of FHWA funds estimated to be available for projects on Oahu is determined through a cooperative agreement between OahuMPO, HDOT, and DTS. Information on the revenues estimated to be available for the entire State of Hawaii is available in the HDOT's FFYs 2015-2018 STIP.

FHWA Financial Constraint – FFY 2015

FFY 2015	Federal Funds Available for Oahu (x$1000)	Local Funds (x$1000)	Total Sources (x$1000)	Total Funds Programmed (x$1000)	Funds Balance (x$1000)
Bridge Off-System	720	180	900	900	-
Earmark High Priority	-	-	-	-	-
Transportation Enhancement	-	-	-	-	-
Highway Safety Improvement Program	-	-	-	-	-
Interstate Maintenance Discretionary	4,300	500	4,800	4,800	-
Locally Funded	-	36,400	36,400	36,400	-
National Highway Performance Program	85,132	32,078	117,210	117,210	-
Recreational Trails Program	287	72	359	359	-
Re-Purposed Earmarks	-	-	-	-	-
STP Flexible, CMAQ, TE	16,280	12,328	28,608	28,608	-
STP Enhancement /Transportation Alternatives Program	-	-	-	-	-
De-Obligations	46,886	-	46,886	-	46,886
LESS Off-STIP Obligations	(30,404)	-	(30,404)	-	(30,404)
Total	**123,201**	**81,558**	**204,759**	**188,277**	**16,482**

FHWA Financial Constraint – FFY 2016

FFY 2016	Federal Funds Available for Oahu (x$1000)	Local Funds (x$1000)	Total Sources (x$1000)	Total Funds Programmed (x$1000)	Funds Balance (x$1000)
Bridge Off-System	720	180	900	900	-
Earmark High Priority	-	-	-	-	-
Transportation Enhancement	-	-	-	-	-
Highway Safety Improvement Program	4,160	772	4,932	4,932	-
Interstate Maintenance Discretionary	-	-	-	-	-
Locally Funded	-	27,300	27,300	27,300	-
National Highway Performance Program	61,313	2,441	63,754	63,754	-
Recreational Trails Program	287	72	359	359	-
Re-Purposed Earmarks	-	-	-	-	-
STP Flexible, CMAQ, TE	19,220	9,884	29,104	29,104	-
STP Enhancement /Transportation Alternatives Program	2,299	600	2,899	2,899	-
De-Obligations	14,800	-	14,800	-	14,800
LESS Off-STIP Obligations	(12,781)	-	(12,781)	-	(12,781)
FFY 2015 Balance	16,482	-	16,482	-	16,482
Total	**106,500**	**41,249**	**147,749**	**129,248**	**18,501**

FHWA Financial Constraint – FFY 2017

FFY 2017	Federal Funds Available for Oahu (x$1000)	Local Funds (x$1000)	Total Sources (x$1000)	Total Funds Programmed (x$1000)	Funds Balance (x$1000)
Bridge Off-System	-	526	526	526	-
Earmark High Priority	-	-	-	-	-
Transportation Enhancement	-	-	-	-	-
Highway Safety Improvement Program	3,440	860	4,300	4,300	-
Interstate Maintenance Discretionary	2,300	1,862	4,162	4,162	-
Locally Funded	-	35,100	35,100	35,100	-
National Highway Performance Program	59,857	148,268	208,125	208,125	-
Recreational Trails Program	287	72	359	359	-
Re-Purposed Earmarks	2,000	500	2,500	2,500	-
STP Flexible, CMAQ, TE	26,544	7,748	34,292	34,292	-
STP Enhancement /Transportation Alternatives Program	3,049	1,362	4,411	4,411	-
De-Obligations	13,200	-	13,200	-	13,200
LESS Off-STIP Obligations	(5,917)	-	(5,917)	-	(5,917)
FFY 2016 Balance	18,501	-	18,501	-	18,501
Total	**123,261**	**196,298**	**319,559**	**293,775**	**25,784**

FHWA Financial Constraint – FFY 2018

FFY 2018	Federal Funds Available for Oahu (x$1000)	Local Funds (x$1000)	Total Sources (x$1000)	Total Funds Programmed (x$1000)	Funds Balance (x$1000)
Bridge Off-System	720	180	900	900	-
Earmark High Priority	-	-	-	-	-
Transportation Enhancement	-		-	-	-
Highway Safety Improvement Program	1,656	340	1,996	1,996	-
Interstate Maintenance Discretionary		-	-	-	-
Locally Funded		32,500	32,500	32,500	-
National Highway Performance Program	63,003	(7,924)	55,079	55,079	-
Recreational Trails Program	287	72	359	359	-
Re-Purposed Earmarks	-	-	-	-	-
STP Flexible, CMAQ, TE	21,162	9,456	30,618	30,618	-
STP Enhancement /Transportation Alternatives Program	1,300	9,560	10,860	10,860	-
De-Obligations	12,600	-	12,600	-	12,600
LESS Off-STIP Obligations	-	-	-	-	-
FFY 2017 Balance	25,784	-	25,784	-	25,784
Total	**126,512**	**44,184**	**170,696**	**132,312**	**38,384**

APPENDIX A

CURRENT PLANNING FACTORS AS STATED IN THE CODE OF FEDERAL REGULATIONS (CFR)

From 23 CFR §450.306(b)

The metropolitan transportation planning process shall be continuous, cooperative, and comprehensive, and provide for consideration and implementation of projects, strategies, and services that will address the following factors:

(1) Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency;

(2) Increase the safety of the transportation system for motorized and non-motorized users;

(3) Increase the security of the transportation system for motorized and non-motorized users;

(4) Increase accessibility and mobility of people and freight;

(5) Protect and enhance the environment, promote energy conservation, improve the quality of life, and promote consistency between transportation improvements and State and local planned growth and economic development patterns;

(6) Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight;

(7) Promote efficient system management and operation;

(8) Emphasize the preservation of the existing transportation system;

(9) Improve the resiliency and reliability of the transportation system and reduce or mitigate stormwater impacts of surface transportation; and

(10) Enhance travel and tourism.

ACCESSED DECEMBER 16, 2016

APPENDIX B

INTERGOVERNMENTAL REVIEW & PUBLIC COMMENT

FOR THE DRAFT FFYS 2015-2018 TRANSPORTATION IMPROVEMENT PROGRAM (TIP) - REVISION 21

The intergovernmental review and public comment period for the Draft FFY 2015-2018 Transportation Improvement Program Revision 21 began on January 25, 2018 and concluded on February 7, 2018. The Draft Revision 21 document was mailed and emailed to one hundred agencies and organizations for their review.

SUBJECT	SUMMARY OF COMMENT	RESPONSE
OC27	University of Hawaiʻi West Oʻahu: The project appears to be incorrectly represented in Revision 21. It erroneously describes a project from the OR&L Right of Way to the Waipiʻo Soccer Park. The project map is also missing the Oahu inset.	OahuMPO has worked with the Department of Transportation Services to remedy the errors in the latest draft of Revision 21.
OC27	University of Hawaiʻi West Oʻahu: UH West Oʻahu supports the proposed Farrington Highway improvements at 4 lanes with protected pedestrian and bicycle improvements that allow for the safe and comfortable circulation and network connectivity along Farrington Highway. 6 lanes should not be warranted with the availability and access to rail transit in this segment. Furthermore, the added lanes may likely compromise the street section design and the needed width for appropriate pedestrian and bicycle path widths and shade trees.	Department of Design and Construction (DDC): The Farrington Highway Improvements project is in its planning stage. The final accepted proposed roadway section and required right-of-way will be based on the approved Traffic Impact Assessment Report and Environmental Assessment.
OC27	Department of Design and Construction (DDC): The project and title and description should be, "Farringtion Highway (Routes 7100 and Routes 9107) Improvements".	OahuMPO has remedied the errors in the latest draft of Revision 21.
OC27	Department of Design and Construction (DDC): The project description should read, "Construct improvements to enhance sub-regional roadway connectivity and mobility, increase capacity and accommodate multi-modal transportation options, from Kapolei Golf Course Road to west of Fort Weaver Road. The project might be constructed in phases."	OahuMPO has remedied the errors in the latest draft of Revision 21.

APPENDIX B

INTERGOVERNMENTAL REVIEW & PUBLIC COMMENT

FOR THE DRAFT FFYS 2015-2018 TRANSPORTATION IMPROVEMENT PROGRAM (TIP) - REVISION 21

The intergovernmental review and public comment period for the Draft FFY 2015-2018 Transportation Improvement Program Revision 21 began on January 25, 2018 and concluded on February 7, 2018. The Draft Revision 21 document was mailed and emailed to one hundred agencies and organizations for their review.

SUBJECT	SUMMARY OF COMMENT	RESPONSE
OS63	Andrea Anixt: I think it is bad timing to request to defer and delete traffic counting stations construction. Oahu needs traffic data gathering for planning purposes, probably the most of all the islands. Is there a list of the various locations affected by this? With a projected 9.5 million visitors in 2018 to the state, and Hawaii's low ranking on national lists of highway performance levels, good new data could merit our state more federal infrastructure dollars to help remedy this problem.	Hawaii Department of Transportation (HDOT): According to the approved (November 2, 2017) Flash Report that HWY-PH processed, construction funds for OS63 were deferred in the STIP (Oahu TIP) from 2017 (with AC in 2018) to FFY 2020 due to delays in negotiating with the selected consultant, and changes in scope (to prevent installing stations that would be removed or destroyed due to other upcoming roadway projects). These issues have delayed the NTP for PE1/PE2 (NTP for PE1 was only given in January 2017. PE1 is anticipated to be completed in August 2018) and have extended the time required to complete PE1/PE2. The new construction RTA is February 2020, therefore the need for the deferral.

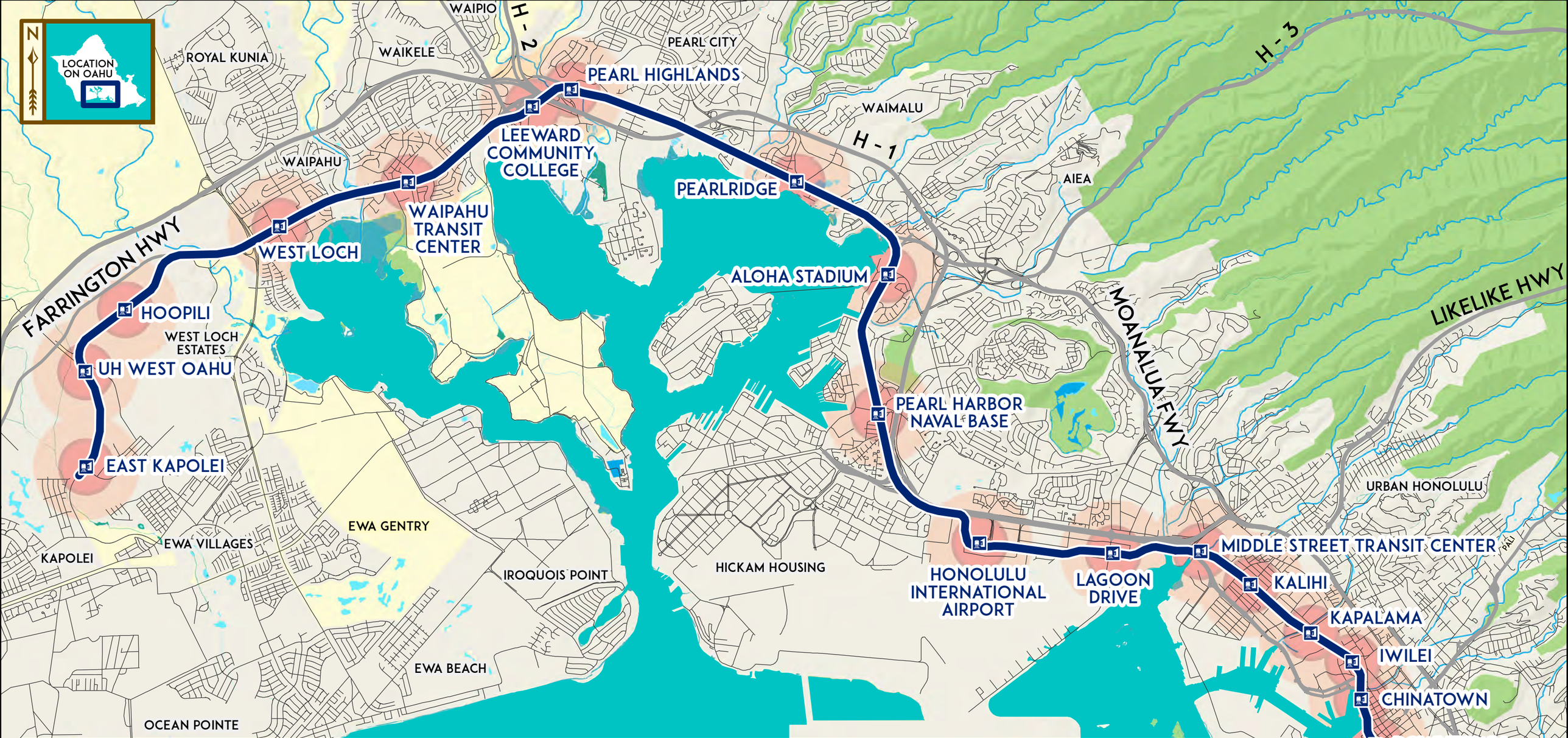
THE FOLLOWING AGENCIES RESPONDED WITH NO COMMENT

- ◊ Oceanic Time Warner Cable
- ◊ Department of Education - Transportation Branch
- ◊ US Fish and Wildlife
- ◊ Department of Planning and Permitting
- ◊ Department of Parks and Recreation
- ◊ Honolulu Board of Water Supply
- ◊ Department of Budget and Fiscal Services
- ◊ Hawaii Community Development Authority
- ◊ Department of Hawaiian Home Lands

APPENDIX C

REGIONAL TRANSPORTATION ATLAS

Page	Title	Corresponding Project Numbers
C.1.	Honolulu Authority for Rapid Transportation (HART): Rail and Context	OC16 and OS68
C.2.	Na Ala Hele Trails on Oahu	OS49



HONOLULU AUTHORITY FOR RAPID TRANSPORTATION (HART): HONOLULU RAIL AND CONTEXT

LEGEND

0 1 2 4 6 8 MILES

RAIL AND TRANSIT-ORIENTED DEVELOPMENT (TOD) SYMBOLS

- GUIDEWAY
- TRANSIT STATIONS
- TOD NEAR STATION (0.25 MI.)
- TOD NEAR STATION (0.50 MI.)

GEOGRAPHIC CONTEXT

- AIEA CENSUS DESIGNATED PLACES (CDP)
- ARTERIAL ROADS
- STATE ROUTES (HIGHWAYS)
- OCEAN
- STREAMS

LAND USE DISTRICTING PER STATE OF HAWAII

- ZONED AGRICULTURAL
- ZONED CONSERVATION
- ZONED RURAL
- ZONED URBAN

WETLANDS SYMBOLOGY

- ESTUARINE AND MARINE WETLAND
- FRESHWATER EMERGENT WETLAND
- FRESHWATER FORESTED/SHRUB WETLAND
- FRESHWATER POND
- LAKE

OahuMPO

THIS MAP HAS A SCALE OF 1 TO 55,000. THIS IS INTENDED FOR ILLUSTRATIVE PURPOSES ONLY; ALL LOCATIONS ARE APPROXIMATE (2017).

NA ALA HELE TRAILS ON OAHU

LEGEND

0 1 2 4 6 MILES

- TRAILS
- OFF-ROAD VEHICLE AREAS
- AIEA CENSUS DESIGNATED PLACES (CDP)
- STATE ROUTES (HIGHWAYS)
- ARTERIAL ROADS
- STREAMS

WATER-BODIES & WETLANDS

- OCEAN
- ESTUARINE AND MARINE
- FRESHWATER EMERGENT
- FRESHWATER FORESTED/SHRUB
- FRESHWATER POND
- LAKE

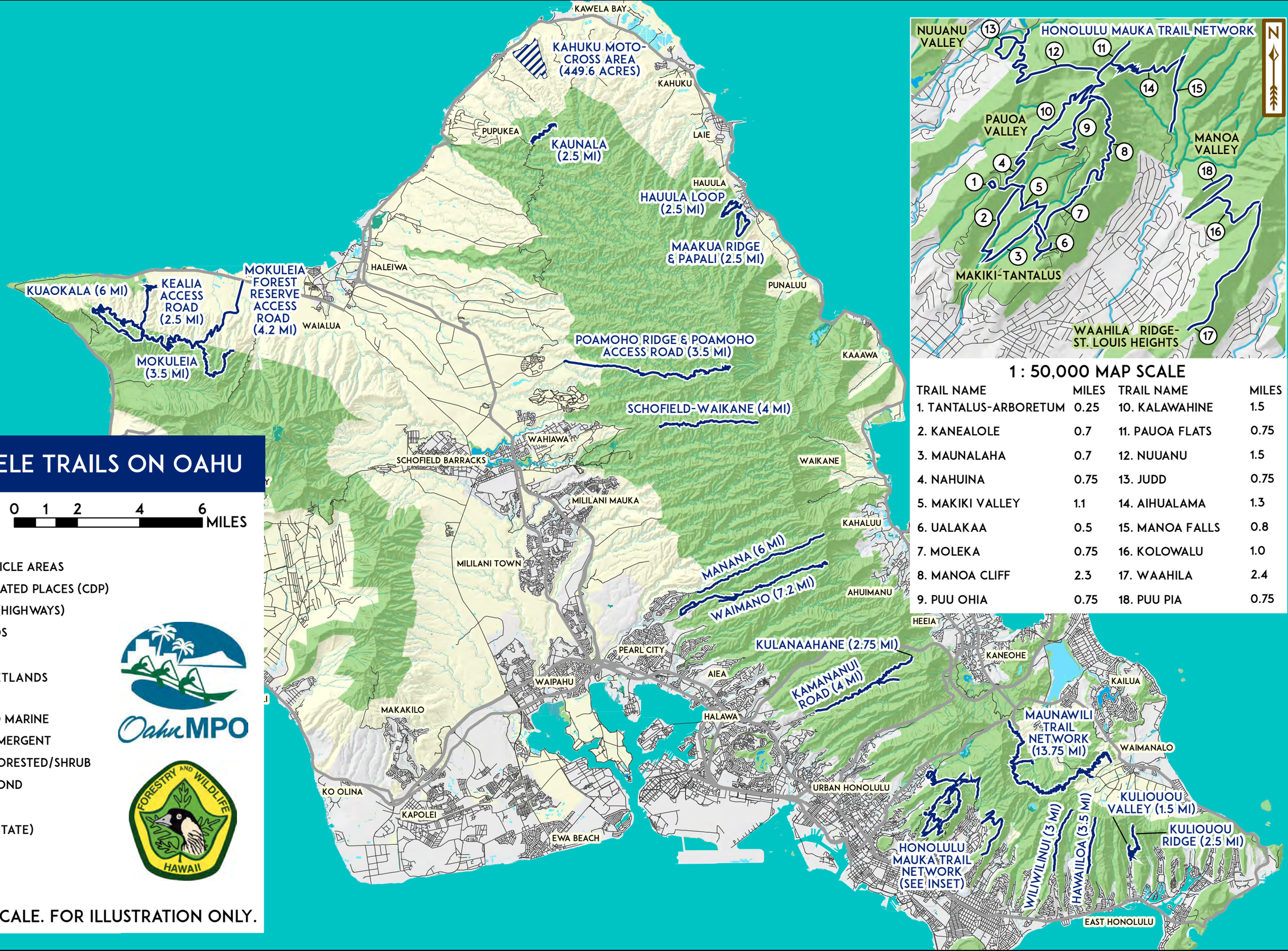
LAND USE ZONING (STATE)

- AGRICULTURAL
- CONSERVATION
- URBAN

1 : 175,000 MAP SCALE. FOR ILLUSTRATION ONLY.

OahuMPO

FORESTRY AND WILDLIFE HAWAII



1 : 50,000 MAP SCALE

TRAIL NAME	MILES	TRAIL NAME	MILES
1. TANTALUS-ARBORETUM	0.25	10. KALAWAHINE	1.5
2. KANEALOLE	0.7	11. PAUOA FLATS	0.75
3. MAUNALAHA	0.7	12. NUUANU	1.5
4. NAHUINA	0.75	13. JUDD	0.75
5. MAKIKI VALLEY	1.1	14. AIHUALAMA	1.3
6. UALAKAA	0.5	15. MANOA FALLS	0.8
7. MOLEKA	0.75	16. KOLOWALU	1.0
8. MANOA CLIFF	2.3	17. WAAHILA	2.4
9. PUU OHIA	0.75	18. PUU PIA	0.75

This report was funded in part through grants from the Federal Highway Administration and Federal Transit Administration, U.S. Department of Transportation. The views and opinions of the agency expressed herein do not necessarily state or reflect those of the U.S. Department of Transportation.

The City and County of Honolulu is using the OahuMPO TIP public involvement process, as outlined in the Federal Highway Administration/Federal Transit Administration metropolitan transportation planning regulations (23 CFR 450/49 CFR 613), to satisfy the public hearing requirements for the Federal Transit Administration's Urbanized Area Formula Program (49 U.S.C. Section 5307) program-of-projects.