

FFYs 2015, 2016, 2017, AND 2018
TRANSPORTATION IMPROVEMENT PROGRAM

Approved by the OahuMPO Policy Committee
August 18, 2014



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Prepared by
OAHU METROPOLITAN PLANNING ORGANIZATION

In Cooperation with
State of Hawaii Department of Transportation
State of Hawaii Department of Business, Economic Development, and Tourism
City and County of Honolulu Department of Transportation Services
City and County of Honolulu Honolulu Authority for Rapid Transportation
City and County of Honolulu Department of Planning & Permitting

TABLE OF CONTENTS

1.0	Abbreviations.....	1
2.0	Introduction.....	3
3.0	Previous TIP (FFYs 2011-2014).....	4
3.1	Revisions to the Previous TIP	4
3.2	Status of Previous TIP Projects	5
4.0	TIP Development Process.....	6
4.1	Early Public Input.....	6
4.2	Development of Financial Estimates.....	6
4.3	Call for Projects.....	6
4.4	Public Outreach on the Draft TIP	6
4.5	Technical Project Evaluations	7
4.6	Project Selection.....	7
4.7	Incorporation of the TIP into the STIP.....	7
4.8	FHWA and FTA Action on the STIP	7
5.0	Revisions to the TIP	9
5.1	Administrative Modifications.....	9
5.2	Amendments.....	9
5.3	Revision Examples	9
6.0	Project Monitoring.....	13
6.1	Semi-Annual Status Reports	13
6.2	Annual Listing of Obligated Projects	13
7.0	Financial Plan.....	14
7.1	Funding Sources.....	14
7.2	Annual Financial Plans for Major Projects	22
7.3	Financial Constraint Tables.....	22
8.0	TIP Projects.....	24

Appendices

Appendix A: Status of Projects Programmed in FFYs 2011-2013 with federal obligation amounts for FFY 2013

Appendix B: Incorporation of MAP-21 Planning Factors

1.0 ABBREVIATIONS

§	Section	Enhance	Transportation Enhancement Program (funding category)
§5307	Urbanized Area Formula Program (funding category)	EQP	Equipment (phase)
§5309 BC	Bus and Bus-Related Facilities (funding category)	FFY	Federal Fiscal Year (October - September)
§5309 FGM	Fixed Guideway Modernization (funding category)	FHWA	Federal Highway Administration
§5309 NS	New Starts (funding category)	FHWA X-fer	FHWA transfer of funds from FTA
§5316	Job Access Reverse Commute Program (JARC) (funding category)	FTA	Federal Transit Administration
§5317	New Freedom Program (funding category)	HDOT	Hawaii Department of Transportation
§5340	Growing States and High Density States Formula Program (funding category)	HRTTP	Honolulu Rail Transportation Project (funding category)
3-C	Continuing, Cooperative, Comprehensive	HP	High Priority Projects Program (funding category)
ADA	Americans with Disabilities Act	HR	House Report
ADVCON	Advance Construction Reimbursement	HSIP	Highway Safety Improvement Program (funding category)
Bridge Off	Bridge Off-System (funding category)	IM	Interstate Maintenance (funding category)
Bridge On/Off	Bridge On/Off-System (funding category)	INSP	Inspection (phase)
CAC	OahuMPO Citizen Advisory Committee	JARC	Job Access and Reverse Commute Program (funding category)
CMAQ	Congestion Mitigation and Air Quality Improvement Program (funding category)	Local Only	Funded with State or City funds (funding category)
CON	Construction (phase)	MAP-21	Moving Ahead for Progress in the 21 st Century
DES	Design (phase)	NF	New Freedom Program (funding category)
Discret	Discretionary Funds (funding category)	NHHP	National Highway Performance Program (funding category)
DTS	City and County of Honolulu Department of Transportation Services	NHS	National Highway System (funding category)
		NTD	National Transit Database
		OahuMPO	Oahu Metropolitan Planning Organization

OPR	Operations (phase)	3-C	Continuing, Cooperative, Comprehensive
ORTP	Oahu Regional Transportation Plan		
PLN	Planning (phase)		
PREROW	Pre-Right-of-Way (phase)		
PROF SVCS	Professional Services		
Rec Trails Prog	Recreational Trails Program (funding category)		
REL	Relocation (phase)		
ROW	Right-of-Way (phase)		
RY	Report Year		
SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity Act – A Legacy for Users		
SmUrb	Small Urban		
SOGR	State of Good Repair Grant		
STIC	Small Transit Intensive Cities		
STIP	Statewide Transportation Improvement Program		
STP Flex	Surface Transportation Program Flexible funds (funding category)		
TAP	Transportation Alternatives Program		
TIGER	Transportation Investment Generating Economic Recovery Grant		
TIGGER	Transit Investments for Greenhouse Gas and Energy Reduction Grant		
TIP	Transportation Improvement Program		
USC	United States Code		
UZA	Urbanized Areas		

2.0 INTRODUCTION

The *FFYs 2015, 2016, 2017, and 2018 Oahu Transportation Improvement Program (TIP)* was prepared in accordance with the requirements of the Moving Ahead for Progress in the 21st Century Act (MAP-21). President Obama signed into law P.L. 112-141, MAP-21, on July 6, 2012. It took effect on October 1, 2012 and funds surface transportation programs at over \$105 billion for federal fiscal years (FFYs) 2013 and 2014. Since 2005, it is the first long-term highway authorization enacted and creates a performance-based surface transportation program. The program focuses on national goals, increases accountability, and improves transparency. MAP-21 “builds on many of the highway, transit, bike, and pedestrian programs and policies established in 1991.”¹

“MAP-21 has a new approach to formula program funding, authorizing a lump sum total instead of individual authorizations for each program. Once each State’s combined total apportionment is calculated, an amount is set aside for the State’s Metropolitan Planning program via a calculation based on the relative size of the State’s FFY 2009 Metropolitan Planning apportionment.”²

The TIP is the adopted list of public transit, highway, bicycle, and pedestrian projects that will receive federal transportation funds in the near future. 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, 2016, 2017, and 2018) and contains two additional years (FFYs 2019 and 2020) for information only. The TIP will be updated at least

¹ “MAP-21, Moving Ahead for Progress in the 21st Century.” U.S. Department of Transportation Federal Highway Administration, 12 September 2013. www.fhwa.dot.gov/map21.

² “Metropolitan Planning.” U.S. Department of Transportation Federal Highway Administration, 12 September 2013. www.fhwa.dot.gov/map21/factsheets/mp.cfm.

every four years, and revised as needed. The TIP, as approved by the Policy Committee and Governor (or her designee), is 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;³
- Regionally-significant projects that require action by the Federal Highway Administration (FHWA) or the Federal Transit Administration (FTA), regardless of whether or not they are funded with federal funds; 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 \$4.4 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.

FFY 2015 projects represent those with the highest implementation priority. The largest State of Hawaii-sponsored project in FFY 2015 is OS17 (Interstate Route H-1, Kapolei Interchange Complex). In FFY 2015, \$26,280,000 in federal funds and \$30,720,000 in local funds are programmed for the project. OC16 (Honolulu Rail Transit Project) is the largest City and County of Honolulu-sponsored project. In FFY 2015, \$342,464,000 in federal funds and \$727,736,000 in local funds are programmed for the project in FFY 2015.

³ 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).

3.0 PREVIOUS TIP (FFYS 2011-2014)

The FFYs 2011-2014 TIP was endorsed by the Policy Committee in July 2010.

3.1 REVISIONS TO THE PREVIOUS TIP

As of April 30, 2014, the FFYs 2011-2014 TIP was revised twenty-eight times as documented in Table 1 below.

TABLE 1

FFYs 2011-2014 TIP REVISIONS	
Revision Number	Description
<i>Pre-approved Administrative Modifications</i>	
1	March 2011: Revised cost estimates to reflect anticipated costs and changed size of revenue rolling stock.
3	May 2011: Advanced funding amounts by one year.
4	May 2011: Added projects, deleted projects, revised scope of work, and increased cost estimates.
8	September 2011: Reclassified funds.
9	January 2012: Deferred projects, reclassified funding categories, revised project title, revised cost estimates, deleted projects, and split project phases.
12	February 2012: Deferred projects and changes size of revenue rolling stock.
13	May 2012: Deferred projects and revised cost estimates to reflect anticipated costs.
15	July 2012: Deferred projects and revised cost estimates.
16	September 2012: Deferred projects.
17	October 2012: Deferred projects and revised cost estimates.
18	January 2013: Advanced project phase, revised cost estimates to reflect anticipated costs, deferred projects, deleted funding for project phases, and added project phases.
21	April 2013: Revised cost estimates to reflect anticipated costs.

FFYs 2011-2014 TIP REVISIONS	
Revision Number	Description
22	May 2013: Added projects, deferred projects, and revised cost estimates to reflect anticipated costs.
24	August 2013: Revised costs to reflect actual costs.
25	September 2013: Deferred a project.
26	February 2014: Removed a project from the illustrative list, deferred projects, and revised cost estimates.

Revision Number	Description
<i>Expedited Administrative Modifications</i>	
5	May 2011: Deferred projects, added project phases, and revised cost estimates to reflect anticipated costs.
10	February 2012: Revised cost estimates, deleted project phases, added a project phase.
14	June 2012: Reprioritized projects, deferred projects, and revised cost estimates. Included project changes that are pre-approved administrative modifications because they contributed to a reduction in the amount of regular formula FHWA funds programmed for Oahu.
19	January 2013: Revised cost estimates to reflect anticipated costs and/or to financially constrain the TIP and deferred projects.
27	February 2014: Deferred projects and revised cost estimates. Included project changes that are pre-approved administrative modifications because they contributed to a reduction in the amount of regular formula FHWA funds programmed for Oahu.

Revision Number	Description
<i>Amendments</i>	
2	May 2011: Deleted projects, deferred projects, and revised cost estimates.
6	May 2011: Added projects, deleted projects, and revised cost estimates to reflect anticipated costs.
7	September 2011: Added a project.

11	February 2012: Revised cost estimates, added projects, and deleted projects.
20	February 2013: Deleted projects, changed the scope of a project, and revised cost estimates to reflect anticipated costs. A couple of projects were included in this revision because it contributed to the reduction in the amount of regular formula FHWA funds.
23	July 2013: Added projects and deleted a project.
28	February 2014: Added projects, deleted projects, and increased the federal portion of one project by more than 50%.

Pre-approved administrative modifications were those that consisted of actions that were pre-approved by the Policy Committee. Expedited administrative modifications consisted of actions that were submitted directly to the Policy Committee for action without prior review by the OahuMPO Technical Advisory Committee or solicitation of public comment. Amendments were those that were significant enough to require public review and comment, Technical Advisory Committee action, as well as Policy Committee action.

3.2 STATUS OF PREVIOUS TIP PROJECTS

The status of the projects programmed in FFYs 2011-2013 of the FFYs 2011-2014 TIP as of September 30, 2013 is found in Appendix A. This information was provided to the Policy Committee and to the public via direct mail and e-mail. It was also posted on the OahuMPO website.

The project status is based on information obtained from the Hawaii Department of Transportation (HDOT), the City and County of Honolulu Department of Transportation Services (DTS), and the Honolulu Authority for Rapid Transportation (HART). OahuMPO does not directly participate in the project obligation and project implementation processes.

4.0 TIP 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.

4.1 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 developed a recommended list of transportation projects for inclusion into the FFYs 2015-2018 TIP and the Freight Task Force were asked to fill out an online survey to rank the ORTP 2035 Mid-range projects. Their recommendations were presented to the Policy Committee for their consideration when selecting projects for the TIP. The Policy Committee requested that the recommendations be forwarded to the City and State implementing agencies.

4.2 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.

4.3 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.

4.4 PUBLIC OUTREACH ON THE DRAFT TIP

4.4.1 Visualization

For visualization purposes, an interactive map of Oahu is available on the OahuMPO website along with individual, interactive maps for each project. You can review information about specific TIP projects on the interactive map of Oahu using a search form that is provided on the “Current Active Projects” website page. Additional interactive project location maps are posted the OahuMPO website that allow the user to “turn off” and “turn on” layers to compare how each proposed project interacts with other plans and programs (e.g., conservation, natural resources, etc.). These maps are directly identifiable by the project number.

4.4.2 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 CAC members and interested parties via email or direct mail. In addition, government agencies are provided draft TIP revisions and forms for comment submittal via email or direct mail.

4.4.3 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.

4.4.4 Responses to Comments Received

All comments received, as well as responses to the comments, are provided to the Policy Committee for their consideration when selecting projects for the final TIP.

4.5 TECHNICAL PROJECT EVALUATIONS

Various technical project evaluations are performed on the draft TIP in order to assist the Policy Committee in selecting projects. These technical evaluations include the following:

- Compliance with MAP-21 planning factors;
- Detailed project evaluations;
- Consistency with the Oahu Regional Transportation Plan;
- Consistency with the Oahu Regional ITS Architecture;
- Title VI and Environmental Justice compliance; and
- Congestion Management Process analyses.

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

4.6 PROJECT SELECTION

After reviewing the results of the agency consultations and the technical analyses, the Technical Advisory Committee makes a recommendation to the Policy Committee regarding endorsement of the TIP. The Policy Committee decides whether or not 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 Committee, the TIP is also sent to the Governor's designee for approval. On June 26, 2003, the Governor of the State of Hawaii designated the HDOT Director as the official responsible for approving the TIP and its amendments.

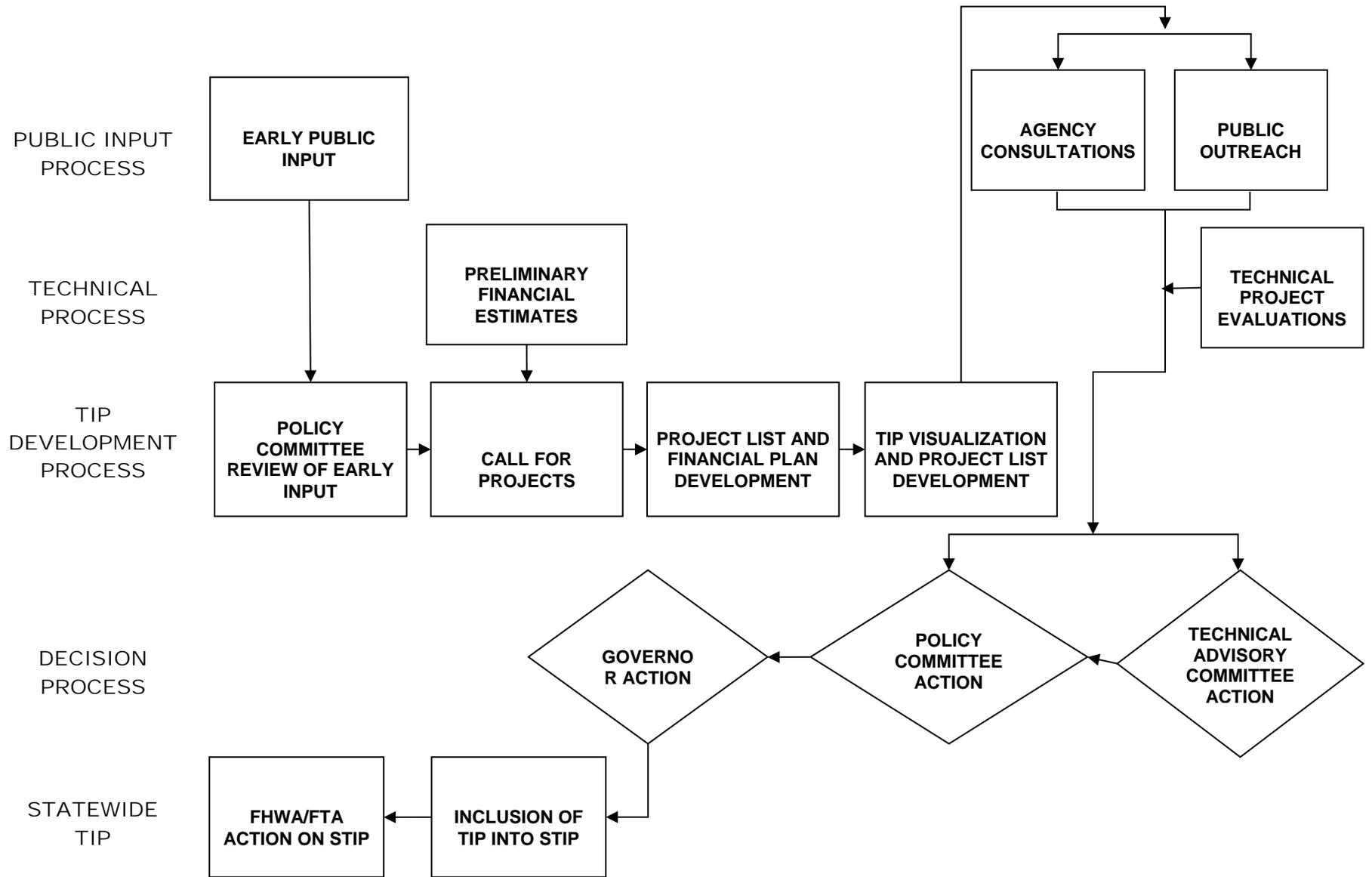
4.7 INCORPORATION OF THE TIP INTO THE STIP

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

4.8 FHWA AND FTA ACTION ON THE STIP

The FHWA and FTA jointly determine whether the STIP is based on a statewide transportation planning process that meets federal requirements.

FIGURE 1: TIP PROCESS



5.0 REVISIONS TO THE TIP

The TIP covers a period of four years and a new TIP will be adopted every four years. The following administrative provisions have been established in order to ensure 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

5.1 ADMINISTRATIVE MODIFICATIONS

Administrative modifications are minor revisions to the TIP. The Policy Committee has identified two types of administrative modifications: pre-approved and expedited. These revisions do not require solicitation of public comment or redemonstration 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.

5.1.1 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

⁴ As defined in 23 CFR 450.104.

Committee has pre-approved certain administrative modifications as long as the following are true:

- 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 Committee is provided with copies of pre-approved administrative modifications.

5.1.2 Expedited Administrative Modifications

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

5.2 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 Committee, and the Governor’s designee for action. Financial constraint is redemonstrated, and the technical project evaluations are reevaluated. Public comments are also solicited based on the strategies and procedures outlined in the *OahuMPO Participation Plan*. The OahuMPO Participation Plan was amended and approved on April 10, 2013 by the Policy Committee.

5.3 REVISION EXAMPLES

Table 2 below provides examples of administrative modifications and amendments.

TABLE 2
Examples of Administrative Modifications and Amendments

Revision	A. Pre-Approved Administrative Modification	B. Expedited Administrative Modification	C. Amendment*
Project	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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: <ol style="list-style-type: none"> 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.

TABLE 2, CONTINUED

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.

TABLE 2, CONTINUED

Revision	A. Pre-Approved Administrative Modification	B. Expedited Administrative Modification	C. Amendment
<p>TABLE 2 FOOTNOTES</p> <p>* Amendments include revisions that are not listed as administrative modifications.</p> <p>** Projects must be “ready-to-go” in the year that they are programmed to be funded. Projects must have cleared previous federal requirements, which include:</p> <ul style="list-style-type: none"> 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. <p>*** 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.</p>			

6.0 PROJECT MONITORING

6.1 SEMI-ANNUAL STATUS REPORTS

The Policy Committee is provided with semi-annual status reports of progress toward TIP project implementation in order to monitor and, if needed, revise the program.

A report prepared in April of each year covers the period from October of the prior year through March of the current year. A report prepared in October of each year covers the period from April through September of the current year. The reports include the projects programmed for the year the reporting period covers. The following information is provided for each project:

- Current cost estimates;
- Status of the project
- Tasks accomplished
- Tasks remaining; and
- Whether the project has been obligated.

6.2 ANNUAL LISTING OF OBLIGATED PROJECTS

Every year, OahuMPO, HDOT, DTS, and HART cooperatively develop a listing of projects for which federal funds were obligated in the preceding year. Investments in pedestrian walkways and bicycle transportation facilities are included in this list. This list is posted on the OahuMPO website and provided to the Policy Committee.

7.0 FINANCIAL PLAN

The primary sources of revenues used to support the surface transportation system for Oahu have been, and will continue to be, the 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. In FFY 2012, HDOT set a flat 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. MAP-21 is the enabling act that governs federal surface transportation spending. It was signed into law by President Barack Obama on July 6, 2012. It funded surface transportation programs for FFY 2013 and FFY 2014. For purposes of defining fiscal constraint for this document, it was assumed that federal surface transportation funding will continue beyond FFY 2014 at or near the same levels established in MAP-21 through either an extension of MAP-21 or a federal new authorization. MAP-21 is a performance-based surface transportation program. It builds on existing highway, transit, bike, and pedestrian programs and policies that were established in 1991.

MAP-21’s approach to distribution of formula funds is based on the amounts of formula funds each State received under SAFETEA-LU. The program has a new approach to core formula program funding, authorizing a lump sum total instead of individual authorizations for each program. “Once each State’s total Federal-aid apportionment is

calculated, amounts are set aside for Metropolitan Planning and the Congestion Mitigation and Air Quality Improvement Program, and the remainder is divided among the rest of the formula programs as follows: National Highway Performance Program (NHPP) (63.7%), STP (29.3%), and Highway Safety Improvement Program (7.0%).

From the State’s STP apportionment, the following sums are to be set aside:

- a. A proportionate share of funds (as described in Section 1133 of MAP-21, 23 U.S.C. 213(a)(1) for the State’s Transportation Alternatives Program (TAP)).
- b. 2 percent for State Planning and Research (SPR). (Section 52005 of MAP-21, 23 U.S.C. 505).
- c. An amount equal to not less than 15 percent of the State’s FFY 2009 Highway Bridge Program Apportionment will be set aside from the funds identified in 23 U.S.C. 133 (d)(1)(B) for Bridges Not on Federal-Aid Highways, “off-system bridges.” (Section 1108(f) of MAP-21).”⁵

For details, see the “Apportionment” fact sheet at www.fhwa.dot.gov/map21.

About \$159-\$163 million in obligation authority is 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. The TIP focuses on transportation programs and projects for the *island of Oahu* only.

In developing the FFYs 2015-2018 TIP, OahuMPO, HDOT, DTS, and HART cooperatively formulated estimates of FHWA funds that

⁵ “MAP-21, Moving Ahead for Progress in the 21st Century.” U.S. Department of Transportation Federal Highway Administration, 19 November 2012. www.fhwa.dot.gov/map21/guidance/guidestp.cfm.

were reasonably expected to be available for projects on the island of Oahu. These estimates were based on historic data. It was estimated that about \$75 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 \$92 million for the island of Oahu.

FHWA funding sources include:

- Congestion Mitigation Air Quality Improvement Program;
- Highway Safety Improvement Program;
- Metropolitan Planning Programs;
- National Highway Performance Program;
- Surface Transportation Program; and,
- Transportation Alternatives (TA) Program

Each of the funding sources is described below.

Congestion Mitigation and 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.

MAP-21's approach to apportioning CMAQ funds is to apportion highway formula funds based on the amount each state received in FFY 2012 under SAFETEA-LU. Once each State's total highway apportionment is determined, the portion of that total which constitutes each such State's CMAQ apportionment is calculated based upon each State's share of total FFY 2009 CMAQ apportionments.

The State of Hawaii may transfer up to 50 percent of any highway apportionment, including CMAQ funds, to another apportioned program. This program is subject to a two percent set-aside to carry out "transportation alternatives" projects under 23 USC 213 just like other apportioned highway program funds. These projects are replacements to transportation enhancement projects. The Federal share for CMAQ projects is 80 percent.

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, including non-State-owned public roads. Funds may be used for projects on any public road or publicly owned bicycle and pedestrian pathway or trail. It requires a strategic, data-driven approach to improving safety that focuses on performance. A highway safety improvement project is any strategy, activity, or project on a public road that is consistent with the data-driven State Strategic Highway Safety Plan (SHSP) and corrects or improves a hazardous road location or feature or addresses a highway safety problem.

HSIP is funded by contract authority from the Highway Account of the Highway Trust Fund. Funds are subject to the overall Federal-aid obligation limitation.

Metropolitan Planning Program

The Federal Surface Transportation Assistance Act of 1973 required the formation of a metropolitan planning organization (MPO) for any urbanized area with a population greater than 50,000.

This mandate was based on the need to ensure that existing and future expenditures for transportation projects and programs were based on a comprehensive, cooperative, and continuing (3-C) planning process. Federal funding for transportation projects and programs are channeled through this planning process.

MPO's are required to establish and use a performance-based approach to transportation decision-making and development of transportation plans. The MPO must establish performance targets that address the MAP-21 surface transportation performance measures. Performance measures and targets must be coordinated with the State to ensure consistency. MPO performance targets shall also be coordinated with public transportation providers, to ensure consistency. MPOs are also required to integrate into the metropolitan transportation planning process other performance-based transportation plans or processes. The MPO will establish performance targets not later than 180 days after the date that the relevant State or public transportation provider establishes performance targets. Finally, within 3 years of enactment of MAP-21, the structure of all MPOs will be required to include officials of public agencies that administer or operate public transportation systems.

The Metropolitan Planning Program oversight is a joint responsibility between FHWA and FTA. It is funded by contract authority from the Highway Account of the Highway Trust Fund. Funds are subject to the overall Federal-aid obligation limitation.

The set-asides are from the State's Metropolitan Planning apportionment, a proportionate share of funds for the State's Transportation Alternatives Program is to be set aside.

National Highway Performance Program

The National Highway Performance Program (NHPP) was created under MAP-21. It provides funding to maintain and improve roadways designated as part of the National Highway System (NHS). The program consolidates a number of SAFETEA-LU programs. The NHPP provides support for the condition and performance of the NHS. It also supports the construction of new facilities on the NHS. The program ensures that investments of Federal-aid funds in highway construction support the achievement of performance targets established in a State's asset management plan for the NHS.

“A State may transfer up to 50 percent of the amount apportioned for the fiscal year to any other 23 U.S.C. 104(b) apportionment for the State. However, under 23 U.S.C. 119(f)(1), the State must obligate and set aside a certain amount of NHPP funds for certain purposes if: 1) the State's Interstate System condition falls below the established minimum threshold, or 2) a certain percentage of the State's NHS bridge deck area is located on structurally deficient bridges. In these situations, the States may not transfer amounts that would cause the State to fall below the minimum obligation and set aside requirements. Also, transfer of NHPP funds cannot be used to offset the transfer of funds from STP to NHPP required when a State's Interstate System condition falls below the minimum threshold, as per provision 23 U.S.C. 119(f)(1)(A)(2).”⁶

From the State's NHPP apportionment, the following sums are to be set aside:

- A proportionate share of funds for the State's Transportation Alternatives (TA) program, and 2% for State Planning and Research (SPR). [§52005; 23 USC 505]

Surface Transportation Program (STP) Flexible (STP Flex)

The Surface Transportation Program provides flexible funding that may be used for projects to preserve and improve the conditions and performance on any Federal-aid highway, including the NHS, bridge projects on any public road, transit capital projects, and public bus terminals and facilities.

STP is funded from the Highway Account of the Highway Trust Fund. Fifty-percent of each state's STP funding is sub-allocated to

⁶ “National Highway Performance Program (NHPP) Implementation Guidance” U.S. Department of Transportation Federal Highway Administration, 19 November 2012.
www.fhwa.dot.gov/map21/guidance/guidenhpp.cfm.

specific areas based on population; the remaining 50% can fund projects anywhere in the state (regardless of population).

“From the State’s STP apportionment, the following sums are to be set aside:

- A proportionate share of funds for the State’s Transportation Alternatives (TA) program
- 2% for State Planning and Research (SPR). [§52005; 23 USC 505]
- For off-system bridges, an amount not less than 15% of the State’s FFY 2009 Highway Bridge Program apportionment (may not be taken from amounts suballocated based on population).

The set-aside for Transportation Enhancements is eliminated.”⁷

Transportation Alternatives Program

The Transportation Alternatives Program (TAP) consolidates funding from several FHWA’s former programs, including Transportation Enhancements, Recreational Trails, and Safe Routes to School programs.

Under MAP-21 provisions, the appropriated FFY 2013 TAP funding available for Oahu is \$1,582,534. Sub-allocated TAP funds for Oahu totals \$921,708: (1) Urbanized Areas with a population greater than 200,000 are eligible for \$776,000; (2) Urban Areas with populations of 5,001 to 200,000, are eligible for \$137,000; and (3) Rural areas with populations of 5,000 or less are eligible for \$7,936. There are also funds available in the amount of \$1,315,000 that can go to “any area” of the State. TAP funds will have its own program and process for identifying and justifying its eligible prioritized projects.

⁷ “Surface Transportation Program (STP)” U.S. Department of Transportation Federal Highway Administration, September 12, 2013. www.fhwa.dot.gov/map21/factsheets/stp.cfm

Assumptions Regarding The Highway Trust Fund

The Highway Trust Fund receives revenues, primarily from the national sales tax on gasoline, and expends funds through the programs shown in this section. Currently, and for some time, the rate of expenditure from the trust fund has exceeded the rate at which revenue has been flowing into the trust fund.

“Under Congressional Budget Office’s (CBO) baseline projections, the highway and transit accounts of the Highway Trust Fund will have insufficient revenues to meet obligations starting in fiscal year 2015. Under current law, the Highway Trust Fund cannot incur negative balances and has no authority to borrow additional funds. However, following the rules in the Deficit Control Act of 1985, CBO’s baseline for highway spending incorporates the assumption that obligations incurred by the Highway Trust Fund will be paid in full.”⁸

“Revenues generated by excise taxes and credited to the Highway Trust Fund are expected to increase from about \$38 billion in 2013 to about \$41 billion in 2023, an average increase of less than one percent per year. Those projections reflect the assumption that taxes dedicated to the Highway Trust Fund will be extended beyond their 2016 expiration date (an assumption incorporated in CBO’s baseline projections).”⁹

For purposes of this document, it was assumed that expenditures from the Highway Trust Fund will continue at or near the obligation authority limits established by MAP-21. If that should change, this

⁸ “Projections of Highway Trust Fund Accounts Baseline by Fiscal Years, in Billions of Dollars” CBO, February 4, 2013.

http://www.cbo.gov/sites/default/files/cbofiles/attachments/44434-HighwayTrustFund_Testimony.pdf.

⁹ “Testimony Status of the Highway Trust Fund” Cawley, Kim P. Chief of the Natural and Physical Resources Cost Estimates Unit, July 23, 2013.

http://www.cbo.gov/sites/default/files/cbofiles/attachments/44434-HighwayTrustFund_Testimony.pdf.

document will need to be revised to reflect the resulting lower federal funding levels, and the reprioritization of those funds that would likely occur.

7.1.2 FTA Program

For financial constraint purposes, DTS' FTA formula apportionment is approximately \$35 million annually. This annual share is also for the Kailua-Kaneohe UZA. The apportionment of \$5310 funds is approximately \$306,000 annually. The nationwide funding level is assumed to grow at an annual rate of 2%.

The FTA apportionment tables are outlined at the website, http://www.fta.dot.gov/12853_14875.html.

FTA funds include:

- §5307 Urbanized Area Formula funds;
- §5309 Fixed-Guideway Capital Investment Grants;
- §5310 Enhance Mobility of Seniors and Individuals Disabilities;
- §5311 Rural Area Formula Grant;
- §5324 Public Transportation Emergency Relief
- §5337 State of Good Repair, and,
- §5339 Bus and Bus Facilities Formula Grant

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

Urbanized Area Formula Program, 49 U.S.C. §5307 (Section 5307) and Growing States and High-Density States Formula Program, 49 U.S.C. §5340 (Section 5340)/ MAP-21 Sections 20007, 20026

This program provides grants to Urbanized Areas (UZA) for public transportation capital, planning, job access and reverse commute projects (JARC), as well as operating expenses in certain circumstances. To be eligible for JARC funds, a project has to be for the development or maintenance of projects that are designed to transfer low-income and welfare recipients to and from work and employment-related activities. Under JARC, the projects can be a JARC project or a reverse commute project. Under MAP-21, whether it's a job access project or a reverse commute project, it has to be designed to meet the needs of the lower income population to commute to work or other employment-related activities.

A new project is defined as a project that was not operational on October 1, 2012. These funds constitute a core investment in the enhancement and revitalization of public transportation systems in the nation's urbanized areas, which depend on public transportation to improve mobility and reduce congestion. The funds are no longer eligible to be transferred to federal highways for highway purposes. The period of availability has been extended from four years to six years.

Section §5307 Urbanized area formula program includes a low-income factor in the §5307 formula, as well as the §5311 formula. Another important change is that there is an increase in the amount under the small transit intensive cities here in the §5307 formula. So, the apportionment notice establishes that the 2010 Census changes have been incorporated in the 2013 allocations. The 2010 Census data showed that there are more urbanized areas, and, overall, more land area that are now considered part of an urbanized area.

The TIP serves as the official programming document for §5307. It's important to understand what the program or project requirements are under MAP-21 so that candidate projects or program can meet those requirements.

The State of Hawaii (State) is the designated recipient of funds of small UZA funds. The City and County of Honolulu (City) will do the call for projects; and the State will send the concurrence letter prior to Policy Committee approval. The City will decide how much of the JARC funds will come from this program.

FTA Capital Investment Program, 49 U.S.C. §5309/MAP-21 Section 20008 – Fixed Guideway Capital Investment Grants (“New Starts”)

Fixed Guideway Capital Investment Grants is a discretionary program that will fund new and expanded rail, bus rapid transit, and ferry systems that improve transportation options in key corridors. Under MAP-21, this program defines a new category of eligible projects, known as core capacity projects. These projects must expand capacity by at least 10% in existing fixed-guideway transit corridors that are already at or above capacity today, or are expected to be at or above capacity within five years. This program will also streamline aspects of the New Starts process to increase efficiency and reduce the time required to meet critical milestones.

Under MAP-21, this program will no longer fund fixed-guideway modernization and bus and bus facilities projects. Sections 5337 and 5339 will now fund these types of projects. It also modifies New Starts and Small Starts project approvals by consolidating phases and permitting streamlined review in certain circumstances.

Urbanized Area Formula Program, 49 U.S.C. §5310 - Enhanced Mobility of Seniors and Individuals with Disabilities) Program/ MAP-21 Section 20009

Section 5310 was developed to enhance mobility for seniors and persons with disabilities. This program provides funds for activities

that serve the special needs population that depend on transit services that go beyond traditional public transportation services and Americans with Disabilities Act (ADA) complementary paratransit service.

Under MAP-21, this program consolidates the New Freedom Program and the Disabled Program. Also, operating assistance is now available under this program.

This program is authorized at approximately \$255 million a year and it consolidates the eligibility of the old §5310 program with the New Freedom program. Previously under SAFETEA-LU, funds are apportioned to urbanized areas over 200,000 to a designated recipient and funds are apportioned to the State for those urbanized areas under 200,000 in population and for non-urbanized areas. A shift in how this program is operated means large urbanized areas will need a designated recipient to receive the fund and the process has also been detailed on FTA's website under MAP-21 (www.fta.dot.gov/map21).

Under FTA §5310 program, capital and operating projects are eligible and there is a floor of 55% that has to be spent on traditional §5310 projects, but New Freedom type projects are eligible for funding under the program. In the §5310 program, the acquisition of service has been defined as capital. In order to receive a grant under this program, a designated recipient must have a State or program management plan that lays out how they will take care of subrecipients and other requirements under the program. The designated recipient is responsible for the process of allocating the funds and managing subrecipients. The designated recipient is chosen in coordination with the Governor, MPO, and local transit providers, through an official designation that comes from the Governor of the State.

The State of Hawaii will administer this program with a memorandum of understanding (MOU) with the City & County of

Honolulu. HDOT will be the direct recipient of the §5310 program funds. HDOT's program fund share will be 55% and the City's program fund share will be 45%. However, the City will apply to FTA directly for their funds. FTA will then check with HDOT for concurrence of projects proposed. Once HDOT gives concurrence, FTA will work directly with the City to execute grants. Once this is done, HDOT will not have oversight of City's funding share.

FTA Formula Grants Program, 49 U.S.C. §5311/MAP-21 Section 20010- Rural Formula Program

This program was previously known as "Non-urbanized" formula grants. Under MAP-21, it has significantly grown with \$599.5 million and \$607.8 million authorized in FFYs 2013 and 2014. This program maintains the existing structure, providing funding to states for public transportation in rural areas, with most funding apportioned based on land area and population in rural areas. However, other factors are considered when apportioning formula funds. This includes revenue-vehicle miles and low-income individuals in rural areas. The low-income population factor is included in order to account for the increased eligibility for JARC projects.

This FTA grant program provides funding for public transit in non-urbanized areas with a population less than 50,000 as determined by the Bureau of the Census. The goal of this program is to enhance the availability of public transit in rural areas. The State of Hawaii will continue to be the designated recipient of Section 5311 program funds.

FTA State of Good Repair Formula Grants, 49 U.S.C. §5337/MAP-21 Section 20027 – State of Good Repair Grants

The State of Good Repair program is a new formula-based, stand-alone initiative written into law. It is dedicated to repairing and upgrading the nation's rail transit systems and high-intensity motor bus systems that use high-occupancy vehicle lanes, including bus rapid transit (BRT). These funds reflect a commitment to ensuring

that public transit operates safely, efficiently, reliably, and sustainably so that communities can offer balanced transportation choices that help to improve mobility, reduce congestion, and encourage economic development. Under MAP-21, there are several updates including: (1) this program replaces the Fixed Guideway Rail Modernization Formula Program with the State of Good Repair Formula Grants Program; (2) high-occupancy vehicle (HOV) lanes are no longer part of the definition for fixed-guideway systems.; (3) projects are limited to replacement and rehabilitation or capital projects required to maintain public transportation systems in a state of good repair; and (4) projects must be included in a Transit Asset Management plan.

The City and County of Honolulu will be the designated recipient for this FTA grant funds.

FTA Bus and Bus Facilities, 49 U.S.C. §5339/MAP-21 Section 20029 – Bus and Bus Facilities

Section 5339 provides capital funding to replace, rehabilitate, and purchase buses, vans, and related equipment and to construct bus-related facilities.

The State of Hawaii is the designated recipient of these funds. There are no direct recipients other than the designated recipient. Small UZA §5339 funds for Kailua/Kaneohe will be administered with HDOT as the FTA grantee.

Each state will be receiving \$1.25 million. Funds are available for three years after the fiscal year in which the amount is apportioned. Remaining formula funds are based upon population, vehicle revenue miles, and passenger miles. The Federal share is 80% with a required 20% local match.

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. “The Surface Transportation Program (STP) provides flexible funding that may be used by states and localities for projects to preserve and improve the conditions and performance on any Federal-aid highway, bridge and tunnel projects on any public road, pedestrian and bicycle infrastructure, and transit capital projects, including intercity bus terminals.”¹⁰

7.1.4 Advance Construction

Some of the projects in the TIP are sometimes programmed using this innovative financing technique. Advance construction is a technique which allows a state to initiate a project using non-federal funds while preserving eligibility for future federal-aid funds. Eligibility means that FHWA has determined that the project technically qualifies for federal-aid. 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.

¹⁰ “Surface Transportation Program (STP)” U.S. Department of Transportation Federal Highway Administration, September 12, 2013. www.fhwa.dot.gov/map21/factsheets/stp.cfm

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.

City and County of Honolulu Funds

Where local funding is identified in the FFYs 2015-2018 TIP for the City projects, the 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 2015 capital budget ordinance are valid from July 1, 2014 until June 30, 2016 (Federal Fiscal Year 2016, quarter 2).

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 2009 operating budget paid for preventive maintenance costs, and the Federal reimbursement was applied for and received in FFY 2009.

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.

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 USC 106(h)); or
- Projects with an estimated total project cost between \$100 million and \$500 million (Major Projects Other - 23 USC 106(i)).

Under MAP-21, the requirements for a project management plan for major projects have not changed. (23 U.S.C. §106(h)(2)) However, there are some changes to the major project requirement. For instance, a major project financial plan must now be assessed on the appropriateness of a public-private partnership to deliver the major projects. (23 U.S.C. § 106(h)(3)(D), MAP-21 § 1503(a)(4)(B)) Also, a major project financial plan may include the allowance of a phasing plan in the event there are insufficient revenues to complete the entire major project. (23 U.S.C. § 106(h)(3)(C), MAP-21 § 1503(a)(4)(B)) These changes apply to both major projects and other projects with an estimated total cost of \$100 million or more.

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 website:

- <http://www.fhwa.dot.gov/map21/guidance/guidemajorproj.cfm>

7.3 FINANCIAL CONSTRAINT TABLES

The tables following the project information sheets 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 financial constraint tables following the project information sheets. 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.

7.3.2 FTA Financial Constraint

The FTA program is financially constrained, as demonstrated by the financial constraint tables following the project information sheets.

8.0 TIP PROJECTS

The TIP project listing below is in alphabetical order and is grouped by project sponsor and federal funding. A TIP project identification number is also identified for each project. A project number preceded by an "O" which represents that the project is located on Oahu, followed by an "S" for State-sponsored project or a "C" for City-sponsored project.

PROJECT NUMBER	PROJECT NAME <i>(Sorted by Project Name)</i>	TOTAL AMOUNT PROGRAMMED						ESTIMATED TOTAL PROJECT COST* (x \$1000)	FUNDING CATEGORY
		FFY 2015 (x \$1000)	FFY 2016 (x \$1000)	FFY 2017 (x \$1000)	FFY 2018 (x \$1000)	<i>(For information only)</i> FFY 2019 (x \$1000) FFY 2020 (x \$1000)			
FHWA - Funded Projects									
<u>State of Hawaii - Sponsored Projects</u>									
OS1	Bridge and Pavement Improvement Program, Oahu	36,400	36,400	36,400	36,400	36,400	36,400	237,800	Local Only
OS2	Farrington Highway (Route 93), Bridge Rehabilitation, Ulehawa Stream Bridge	0	0	585	0	8,405	0	10,500	NHPP
OS3	Farrington Highway (Route 93), Bridge Replacement, Maipalaoa Bridge	13,500	0	0	0	0	0	16,560	NHPP
OS4	Farrington Highway (Route 93), Bridge Replacement, Makaha Bridges #3 & #3A	17,650	0	0	0	0	0	20,200	NHPP
OS5	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78)	8,980	0	10,000	0	10,000	0	61,500	NHPP
OS9	Freeway Service Patrol	3,500	3,500	3,500	3,500	3,500	3,500	21,000	NHPP

* Estimated total project cost may extend beyond the four years of the TIP.

PROJECT NUMBER	PROJECT NAME <i>(Sorted by Project Name)</i>	TOTAL AMOUNT PROGRAMMED						ESTIMATED TOTAL PROJECT COST* (x \$1000)	FUNDING CATEGORY
		FFY 2015 (x \$1000)	FFY 2016 (x \$1000)	FFY 2017 (x \$1000)	FFY 2018 (x \$1000)	<u>(For information only)</u> FFY 2019 (x \$1000) FFY 2020 (x \$1000)			
FHWA - Funded Projects									
<u>State of Hawaii - Sponsored Projects</u>									
OS10	Guardrail and Shoulder Improvements, Various Locations	2,435	0	3,060	250	0	3,000	6,600	HSIP
OS20	Interstate Route H-1 Safety Improvements, Beginning of H-1 (Palailai Interchange) to Waiawa Overpass	0	4,000	0	0	0	0	4,500	HSIP
OS13	Interstate Route H-1, Bridge Rehabilitation, Kapalama Canal, Halona Street Bridge	0	5,400	0	0	0	0	6,200	NHPP
OS14	Interstate Route H-1, Guardrail and Shoulder Improvements, Kapiolani Interchange to Ainakoa Avenue	0	6,370	0	0	0	0	7,000	NHPP
OS15	Interstate Route H-1, Guardrail and Shoulder Improvements, Middle Street (Route 7415) to Punchbowl Street (Route 7516)	0	5,520	0	0	0	0	5,900	NHPP
OS16	Interstate Route H-1, Highway Lighting Improvements, Kaimakani Overpass to Middle Street, Phase 1	0	7,140	0	0	0	0	15,000	NHPP
OS17	Interstate Route H-1, Kapolei Interchange Complex	57,000	571	0	238	0	0	90,000	IM Discret, NHPP

* Estimated total project cost may extend beyond the four years of the TIP.

PROJECT NUMBER	PROJECT NAME (Sorted by Project Name)	TOTAL AMOUNT PROGRAMMED						ESTIMATED TOTAL PROJECT COST* (x \$1000)	FUNDING CATEGORY
		FFY 2015 (x \$1000)	FFY 2016 (x \$1000)	FFY 2017 (x \$1000)	FFY 2018 (x \$1000)	(For information only) FFY 2019 (x \$1000) FFY 2020 (x \$1000)			
FHWA - Funded Projects									
State of Hawaii - Sponsored Projects									
OS18	Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 2	0	0	0	0	24,673	0	100,000	NHPP
OS19	Interstate Route H-1, PM Contraflow, Westbound, Waiawa Interchange Improvements, Phase I	0	0	0	0	0	19,000	167,000	NHPP
OS21	Interstate Route H-1, Waiawa Interchange, Westbound, Waipahu Off-Ramp Improvements	0	0	0	0	3,642	0	23,600	NHPP
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	NHPP
OS12	Interstate Routes H-1, H-2, and H-201 Destination Sign Upgrade/Replacement	0	3,258	0	0	6,000	0	12,700	NHPP
OS11	ITS Operation and Maintenance	285	285	285	285	285	285	1,700	NHPP
OS23	Kalaniana'ole Highway (Route 72) Bicycle Improvements, Waimanalo Beach Park to Kainoa Beach Park	0	2,750	0	0	0	0	3,200	Earmark HP, Enhance

* Estimated total project cost may extend beyond the four years of the TIP.

PROJECT NUMBER	PROJECT NAME <i>(Sorted by Project Name)</i>	TOTAL AMOUNT PROGRAMMED						ESTIMATED TOTAL PROJECT COST* (x \$1000)	FUNDING CATEGORY
		FFY 2015 (x \$1000)	FFY 2016 (x \$1000)	FFY 2017 (x \$1000)	FFY 2018 (x \$1000)	<u>(For information only)</u> FFY 2019 (x \$1000) FFY 2020 (x \$1000)			
FHWA - Funded Projects									
State of Hawaii - Sponsored Projects									
OS24	Kalaniana'ole Highway (Route 72), Bridge Replacement, Inoaole Stream Bridge, Waimanalo	0	9,550	0	0	0	0	11,500	NHPP
OS25	Kalaniana'ole Highway (Route 72), Improvements, Olomana Golf Course to Waimanalo Beach Park, Phase I, Olomana Golf Course to Poalima Street	0	0	0	0	0	0	45,000	NHPP
OS26	Kalaniana'ole Highway (Route 72), Improvements, Olomana Golf Course to Waimanalo Beach Park, Phase II, Poalima Street to Aloiloi Street	918	0	0	0	0	13,300	45,000	NHPP
OS27	Kamehameha Highway (Route 83), Bridge Rehabilitation, Makaua Stream Bridge	275	0	6,000	0	0	0	7,400	NHPP
OS28	Kamehameha Highway (Route 83), Bridge Replacement, Kaipapau Stream Bridge	0	16,580	0	0	0	0	21,600	NHPP
OS29	Kamehameha Highway (Route 83), Bridge Replacement, Kaluanui Stream Bridge	612	0	0	0	9,200	0	11,000	NHPP

* Estimated total project cost may extend beyond the four years of the TIP.

PROJECT NUMBER	PROJECT NAME <i>(Sorted by Project Name)</i>	TOTAL AMOUNT PROGRAMMED						ESTIMATED TOTAL PROJECT COST* (x \$1000)	FUNDING CATEGORY
		FFY 2015 (x \$1000)	FFY 2016 (x \$1000)	FFY 2017 (x \$1000)	FFY 2018 (x \$1000)	<u>(For information only)</u> FFY 2019 (x \$1000) FFY 2020 (x \$1000)			
FHWA - Funded Projects									
State of Hawaii - Sponsored Projects									
OS30	Kamehameha Highway (Route 83), Bridge Replacement, Kawela Stream Bridge	0	9,735	0	0	0	0	10,700	NHPP
OS31	Kamehameha Highway (Route 83), Bridge Replacement, Laieloa Stream Bridge	0	9,183	0	0	0	0	10,300	NHPP
OS32	Kamehameha Highway (Route 83), Bridge Replacement, South Kahana Stream Bridge	984	0	26,000	0	0	0	28,300	NHPP
OS34	Kamehameha Highway (Route 83), Bridge Replacement, Waiahole Stream Bridge	0	110	562	11,708	0	0	13,300	NHPP
OS35	Kamehameha Highway (Route 83), Bridge Replacement, Waikane Stream Bridge	0	0	0	0	8,925	0	10,200	NHPP
OS36	Kamehameha Highway (Route 83), Bridge Replacement, Waipilopilo Stream Bridge	0	8,900	0	0	0	0	10,300	NHPP
OS37	Kamehameha Highway (Route 83), Rockfall Protection, Waimea Bay	470	0	0	10,080	0	8,000	19,800	NHPP

* Estimated total project cost may extend beyond the four years of the TIP.

PROJECT NUMBER	PROJECT NAME <i>(Sorted by Project Name)</i>	TOTAL AMOUNT PROGRAMMED						ESTIMATED TOTAL PROJECT COST* (x \$1000)	FUNDING CATEGORY
		FFY 2015 (x \$1000)	FFY 2016 (x \$1000)	FFY 2017 (x \$1000)	FFY 2018 (x \$1000)	<u>(For information only)</u> FFY 2019 (x \$1000) FFY 2020 (x \$1000)			
FHWA - Funded Projects									
State of Hawaii - Sponsored Projects									
OS51	Kamehameha Highway (Route 83), Safety Improvements Kahekili Highway (Route 83) to Vicinity of Waikane Valley Road	1,600	0	0	0	0	0	3,000	HSIP
OS38	Kamehameha Highway (Route 83), Shoreline Protection, Vicinity of Hauula	0	0	0	0	0	5,700	6,600	NHPP
OS39	Kamehameha Highway (Route 83), Shoreline Protection, Vicinity of Kaaawa	0	10,200	0	0	0	0	11,400	NHPP
OS40	Kamehameha Highway (Route 83), Shoreline Protection, Vicinity of Punaluu	0	0	0	7,350	0	0	7,900	NHPP
OS41	Kamehameha Highway (Route 83), Wetland Enhancement, Vicinity of Ukoa Pond	0	0	0	6,500	0	0	7,700	NHPP
OS33	Kamehameha Highway (Route 99), Bridge Replacement, Upper Poamoho Stream Bridge	104	1,148	0	18,000	0	0	22,100	Earmark HP, NHPP
OS42	Kualakai Parkway (Route 8930) Extension	0	0	17,700	0	0	0	20,000	STP Flex

* Estimated total project cost may extend beyond the four years of the TIP.

PROJECT NUMBER	PROJECT NAME <i>(Sorted by Project Name)</i>	TOTAL AMOUNT PROGRAMMED						ESTIMATED TOTAL PROJECT COST* (x \$1000)	FUNDING CATEGORY
		FFY 2015 (x \$1000)	FFY 2016 (x \$1000)	FFY 2017 (x \$1000)	FFY 2018 (x \$1000)	<u>(For information only)</u> FFY 2019 (x \$1000) FFY 2020 (x \$1000)			
FHWA - Funded Projects									
State of Hawaii - Sponsored Projects									
OS43	Leeward Bikeway, Phase II, Hawaiian Railway Society Train Station to Lualualei Naval Road	0	106	0	3,000	0	3,900	19,000	Enhance
OS44	Moanalua Freeway (Route 78) and Interstate Route H-2, Guardrail and Shoulder Improvements	0	6,120	0	0	0	0	6,720	NHPP
OS48	Moanalua Freeway (Route H-201) Seismic Retrofit, Puuloa Separation	0	0	6,580	0	0	0	7,200	NHPP
OS45	Moanalua Freeway (Route H-201), Highway Lighting Improvements, Halawa Heights Off-Ramp to the Middle Street Overpass	6,000	0	0	0	0	0	6,300	NHPP
OS46	Moanalua Freeway (Route H-201), Highway Lighting Improvements, Halawa to the H-3 Freeway Overpass	0	2,435	0	0	0	0	2,700	NHPP
OS47	Moanalua Freeway (Route H-201), Seismic Retrofit, Puuloa Interchange, Ramp "A"	0	0	4,030	0	0	0	4,500	NHPP
OS49	Recreational Trails Program-Oahu	359	359	359	359	359	359	2,154	Rec Trails Prog

* Estimated total project cost may extend beyond the four years of the TIP.

PROJECT NUMBER	PROJECT NAME <i>(Sorted by Project Name)</i>	TOTAL AMOUNT PROGRAMMED						ESTIMATED TOTAL PROJECT COST*	FUNDING CATEGORY
		FFY 2015 (x \$1000)	FFY 2016 (x \$1000)	FFY 2017 (x \$1000)	FFY 2018 (x \$1000)	<u>(For information only)</u> FFY 2019 (x \$1000) FFY 2020 (x \$1000)			
FHWA - Funded Projects									
<u>State of Hawaii - Sponsored Projects</u>									
OS52	Sand Island Access Road (Route 64), Truck Weigh Station, Kapalama Container Terminal	260	0	5,000	0	0	0	6,000	NHPP
State of Hawaii - FHWA Total		151,332	150,700	120,061	97,670	117,629	93,444	1,195,954	

* Estimated total project cost may extend beyond the four years of the TIP.

PROJECT NUMBER	PROJECT NAME <i>(Sorted by Project Name)</i>	TOTAL AMOUNT PROGRAMMED						ESTIMATED TOTAL PROJECT COST* (x \$1000)	FUNDING CATEGORY
		FFY 2015 (x \$1000)	FFY 2016 (x \$1000)	FFY 2017 (x \$1000)	FFY 2018 (x \$1000)	(For information only) FFY 2019 (x \$1000) FFY 2020 (x \$1000)			
FHWA - Funded Projects									
<u>City and County of Honolulu - Sponsored Projects</u>									
OC1	Alapai Transportation Management Center	22,972	24,909	235	0	0	0	95,102	Local Only, STP Flex
OC2	Bikeway Improvements	800	2,250	2,761	2,761	2,761	2,761	14,094	Local Only, STP Flex
OC3	Bridge Inspection and Appraisal	900	900	900	900	1,000	1,000	5,600	Bridge Off
OC4	Computerized Traffic Control System	0	0	350	4,351	4,351	4,351	13,403	Local Only, STP Flex
OC5	Farrington Highway (Routes 7110 and 9107) Improvements, Phase 1	0	0	20,000	20,000	20,000	20,000	100,000	STP Flex
OC6	Kapolei Parkway Extension (Route 8920)	1,250	0	0	0	0	0	21,589	Local Only, STP Flex
OC7	Makakilo Drive (Route 8810) Extension	0	3,000	0	0	20,000	20,000	46,000	STP Flex
OC8	Traffic Improvements at Various Locations	650	2,360	2,630	2,630	2,630	2,130	13,030	Local Only, STP Flex
OC9	Traffic Signal Optimization	0	0	601	101	101	0	803	Local Only, STP Flex
OC10	Traffic Signals at Various Locations	3,939	3,992	4,192	4,192	4,192	4,193	24,700	Local Only, STP Flex

* Estimated total project cost may extend beyond the four years of the TIP.

PROJECT NUMBER	PROJECT NAME <i>(Sorted by Project Name)</i>	TOTAL AMOUNT PROGRAMMED						ESTIMATED TOTAL PROJECT COST* (x \$1000)	FUNDING CATEGORY
		FFY 2015 (x \$1000)	FFY 2016 (x \$1000)	FFY 2017 (x \$1000)	FFY 2018 (x \$1000)	<u>(For information only)</u> FFY 2019 (x \$1000) FFY 2020 (x \$1000)			
FHWA - Funded Projects									
<u>City and County of Honolulu - Sponsored Projects</u>									
OC11	Waipio Point Access Road Improvements (Route 7139)	158	0	0	0	0	0	3,753	STP Flex
City and County of Honolulu - FHWA Total		30,669	37,411	31,669	34,935	55,035	54,435	338,074	
FHWA TOTAL		182,001	188,111	151,730	132,605	172,664	147,879	1,534,028	

* Estimated total project cost may extend beyond the four years of the TIP.

PROJECT NUMBER	PROJECT NAME <i>(Sorted by Project Name)</i>	TOTAL AMOUNT PROGRAMMED						ESTIMATED TOTAL PROJECT COST*	FUNDING CATEGORY
		FFY 2015 (x \$1000)	FFY 2016 (x \$1000)	FFY 2017 (x \$1000)	FFY 2018 (x \$1000)	<u>(For information only)</u> FFY 2019 (x \$1000) FFY 2020 (x \$1000)			
FTA - Funded Projects									
<u>State of Hawaii - Sponsored Projects</u>									
OS50	Transportation Assistance for Elderly and Disabled	1,102	1,137	1,172	1,209	1,248	1,288	7,156	\$5310-Urban
State of Hawaii - FTA Total		1,102	1,137	1,172	1,209	1,248	1,288	7,156	

* Estimated total project cost may extend beyond the four years of the TIP.

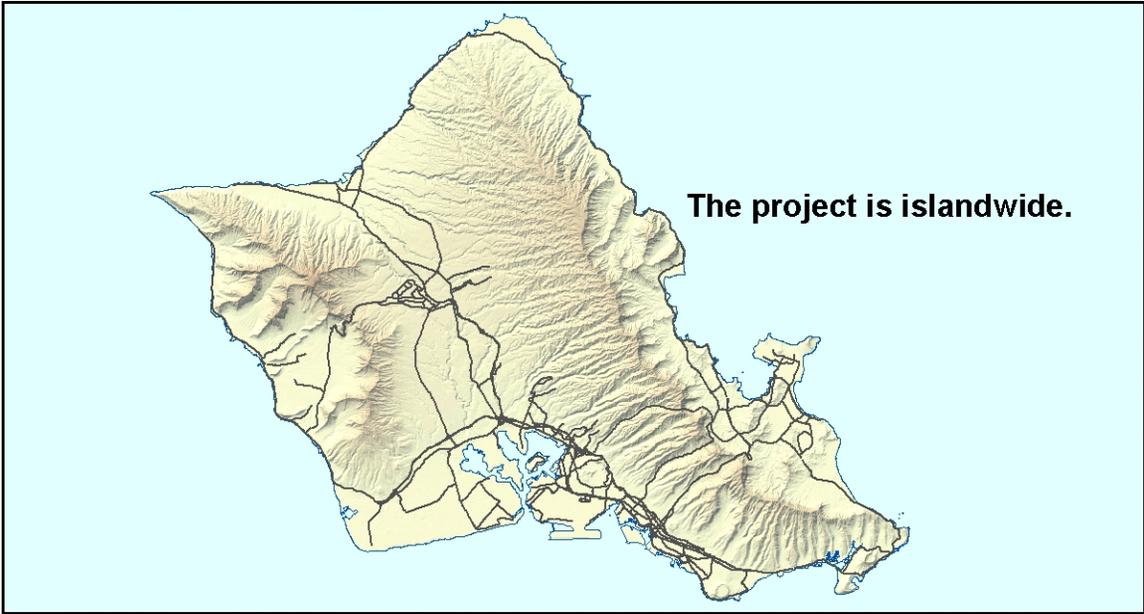
PROJECT NUMBER	PROJECT NAME <i>(Sorted by Project Name)</i>	TOTAL AMOUNT PROGRAMMED						ESTIMATED TOTAL PROJECT COST* (x \$1000)	FUNDING CATEGORY
		FFY 2015 (x \$1000)	FFY 2016 (x \$1000)	FFY 2017 (x \$1000)	FFY 2018 (x \$1000)	<u>(For information only)</u> FFY 2019 (x \$1000) FFY 2020 (x \$1000)			
FTA - Funded Projects									
<u>City and County of Honolulu - Sponsored Projects</u>									
OC12	Agency-Provided Trips	1,262	1,291	1,426	1,485	1,526	1,587	8,577	\$5307/\$5340, \$5310-Urban
OC13	Bus and Handi-Van Acquisition Program	25,608	24,688	27,085	27,211	27,339	27,469	159,400	\$5307/\$5340, \$5337 SOGR, \$5339
OC14	Bus Stop ADA Access Improvements	898	598	598	598	598	598	3,888	\$5307/\$5340, Local Only
OC15	Bus Stop Site Improvements	2,932	501	501	501	501	501	5,437	\$5307/\$5340, Local Only
OC16	Honolulu Rail Transit Project	1,070,200	1,107,673	801,222	434,791	41,373	43,180	5,163,693	\$5307/\$5340, \$5309 NS
OC17	Local Shuttle Service	0	0	0	239	248	258	745	\$5307/\$5340
OC18	Middle Street Intermodal Center	0	4,310	6,066	6,069	0	0	16,445	\$5339, Local Only
OC19	Mobility Management	640	665	644	520	552	574	3,595	\$5307/\$5340, \$5310-Urban
OC20	Preventive Maintenance	47,527	48,478	49,448	50,437	51,446	52,475	299,811	\$5307/\$5340

* Estimated total project cost may extend beyond the four years of the TIP.

PROJECT NUMBER	PROJECT NAME <i>(Sorted by Project Name)</i>	TOTAL AMOUNT PROGRAMMED						ESTIMATED TOTAL PROJECT COST* (x \$1000)	FUNDING CATEGORY
		FFY 2015 (x \$1000)	FFY 2016 (x \$1000)	FFY 2017 (x \$1000)	FFY 2018 (x \$1000)	<u>(For information only)</u> FFY 2019 (x \$1000) FFY 2020 (x \$1000)			
FTA - Funded Projects									
<u>City and County of Honolulu - Sponsored Projects</u>									
OC21	Transit Safety and Security Projects	416	416	416	416	416	0	2,080	\$5307/\$5340, Local Only
City and County of Honolulu - FTA Total		1,149,483	1,188,620	887,406	522,267	123,999	126,642	5,663,671	
FTA TOTAL		1,150,585	1,189,757	888,578	523,476	125,247	127,930	5,670,827	

* Estimated total project cost may extend beyond the four years of the TIP.

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/programs/tipcurrent.html>. 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/programs/tipcurrent.html>

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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019		FFY 2020													
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)															
CON	36,400	0	36,400	36,400	0	36,400	36,400	0	36,400	36,400	0	36,400	36,400	0	36,400	36,400	0	36,400	Local Only

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 pedestrians and bicycles.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Waianae Coast

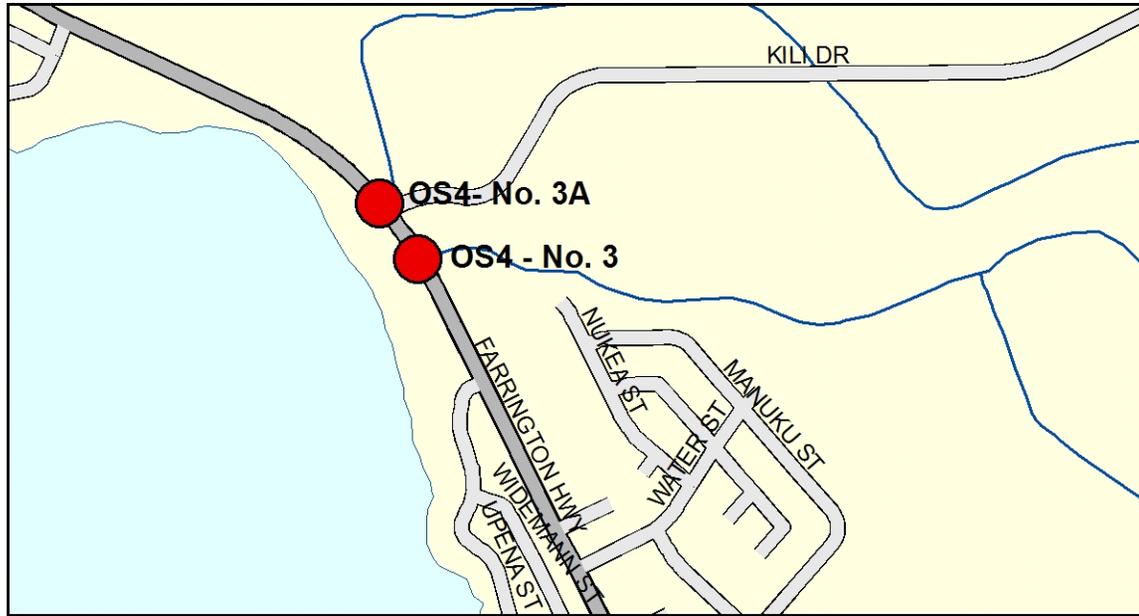
Estimated Total Project Cost: \$10,500,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category	
	Total	Federal	Local	FFY 2019			FFY 2020													
	(x\$1000)	Total	Federal	Local	Total	Federal	Local													
ROW	0	0	0	0	0	0	585	468	117	0	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	8,405	6,724	1,681	0	0	0	0	NHPP

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



Project Description:

Replace a timber bridge in the vicinity of Makaha Beach Park. The scope includes widening paved shoulders from 3 feet on the makai side and 1 foot on the mauka side to 10 feet on each side 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: \$20,200,000
(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

Phase	FFY 2015						FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total		Federal		Local	Total		Federal		Local	Total		Federal		Local	FFY 2019		FFY 2020				
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)																	
ROW	1,100	880	220	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP	
CON	16,550	10,240	6,310	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP	

OS5 Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 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 includes 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: \$61,500,000
(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:

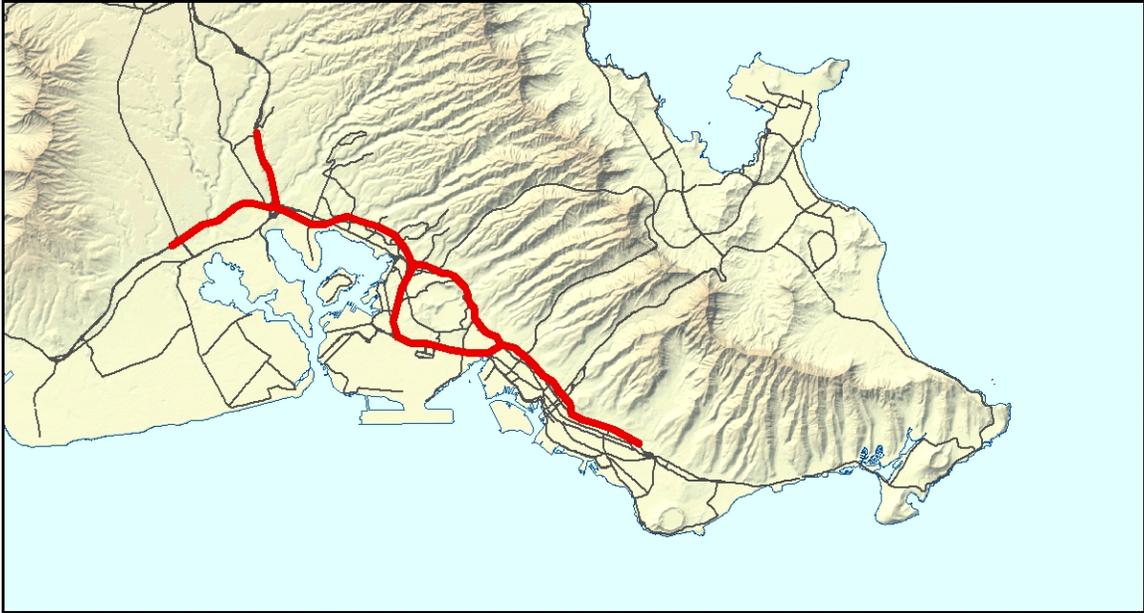
Hawaii Department of Transportation

Phase	FOR INFORMATION ONLY															Funding Category			
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019				FFY 2020		
	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)
Phase 1C - Part 2																			
ADVCON	0	5,000	-5,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Phase 2A - Part 1																			

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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019			FFY 2020												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
<i>Phase 2A - Part 1</i>																			
CON	5,000	4,000	1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
<i>Phase 2B</i>																			
DES	1,980	1,584	396	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	10,000	4,000	6,000	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	4,000	-4,000	0	0	0	0	0	0	NHPP
<i>Phase 3</i>																			
DES	2,000	1,600	400	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	10,000	4,000	6,000	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,000	-4,000	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

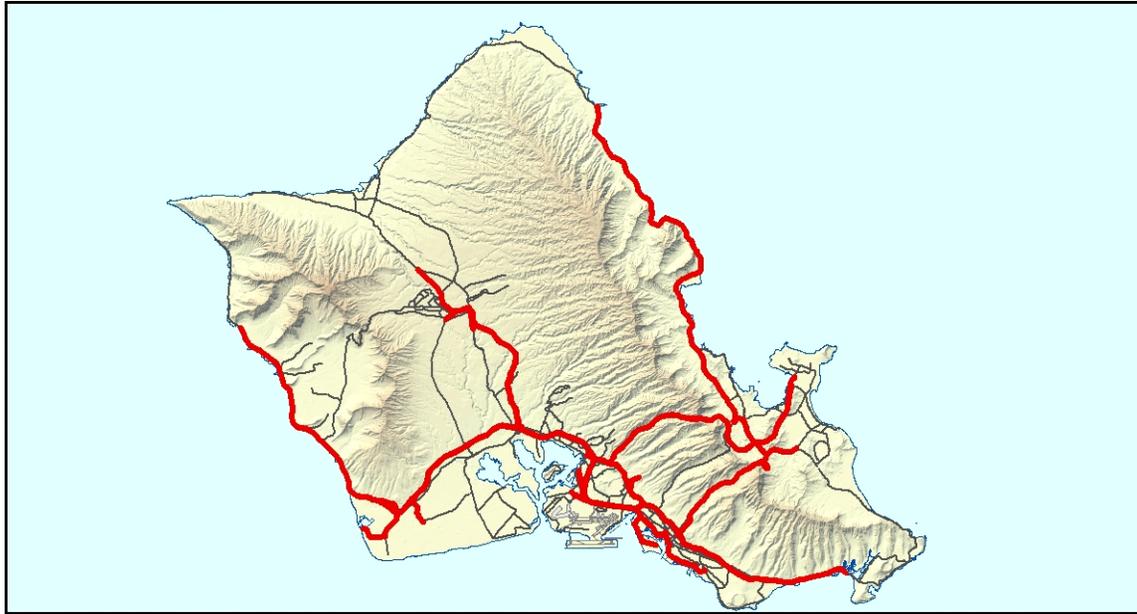
Estimated Total Project Cost: \$21,000,000
 (May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
													FFY 2019			FFY 2020			
	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)	
CON	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: \$6,600,000
(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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019			FFY 2020												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
Phase 1																			
CON	2,185	1,748	437	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	HSIP
Phase 2																			
DES	250	200	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	HSIP
CON	0	0	0	0	0	0	3,060	2,448	612	0	0	0	0	0	0	0	0	0	HSIP
Phase 3																			
DES	0	0	0	0	0	0	0	0	0	250	200	50	0	0	0	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

OS20 Interstate Route H-1 Safety Improvements, 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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category	
	Total	Federal	Local	FFY 2019			FFY 2020													
	(x\$1000)	Total	Federal	Local	Total	Federal	Local													
CON	0	0	0	4,000	3,600	400	0	0	0	0	0	0	0	0	0	0	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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019			FFY 2020												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
CON	0	0	0	5,400	320	5,080	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

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.

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: \$7,000,000
(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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019		FFY 2020													
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
CON	0	0	0	6,370	1,233	5,137	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	4,500	-4,500	0	0	0	0	0	0	0	0	0	NHPP

OS15 Interstate Route H-1, Guardrail and Shoulder Improvements, Middle Street (Route 7415) to Punchbowl Street (Route 7516)



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

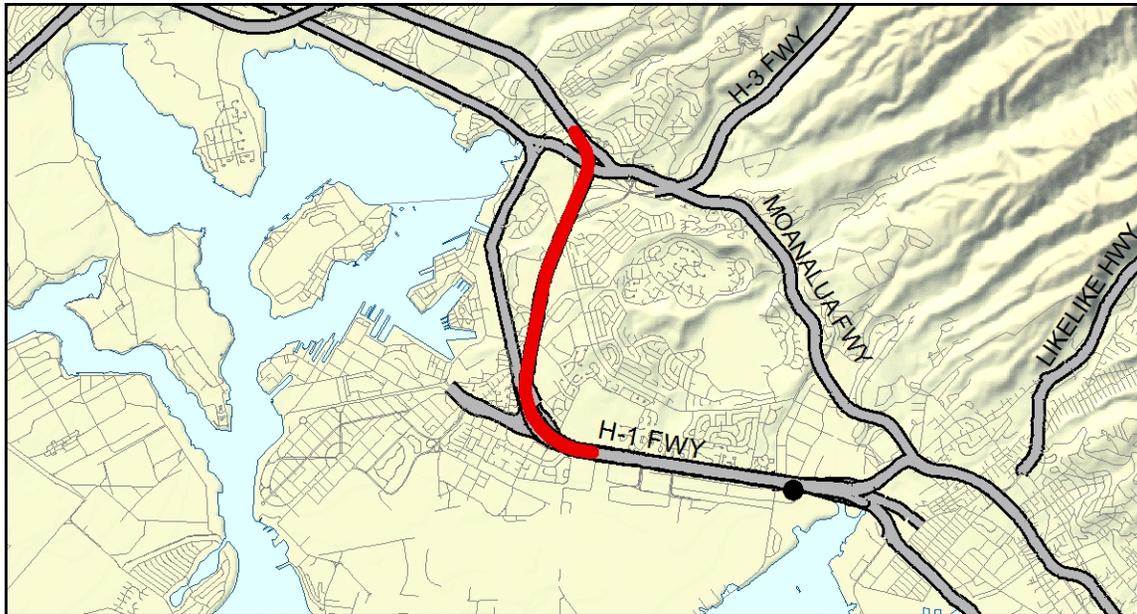
Estimated Total Project Cost: \$5,900,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019			FFY 2020												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
CON	0	0	0	5,520	4,416	1,104	0	0	0	0	0	0	0	0	0	0	0	0	NHPP

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



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

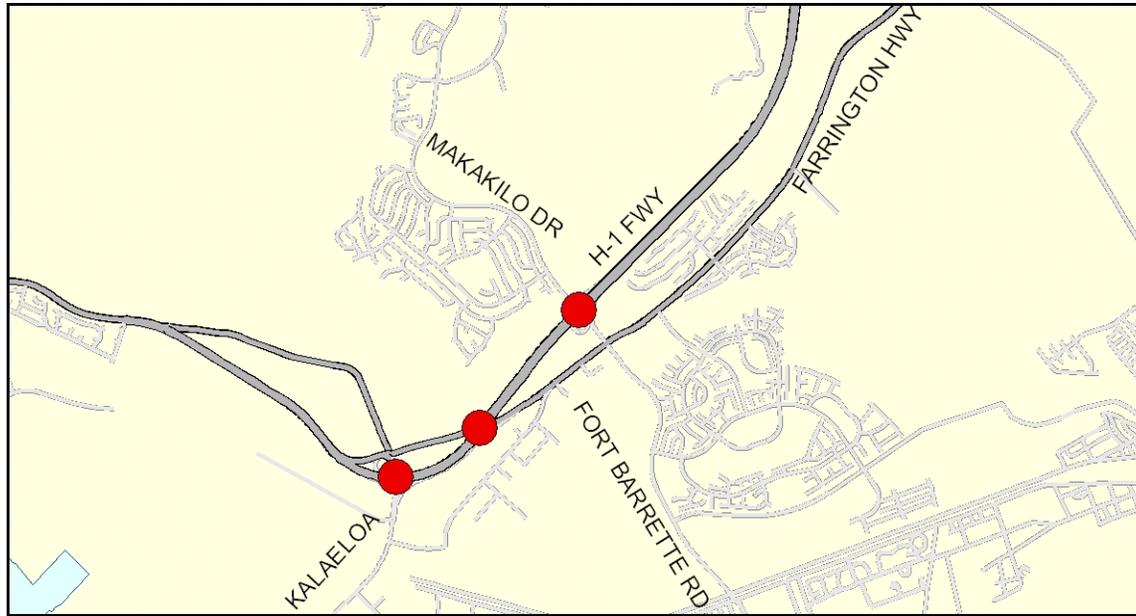
Estimated Total Project Cost: \$15,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019			FFY 2020												
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)													
<i>Phase 1</i>																			
CON	0	0	0	7,140	712	6,428	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	5,000	-5,000	0	0	0	0	0	0	0	0	0	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

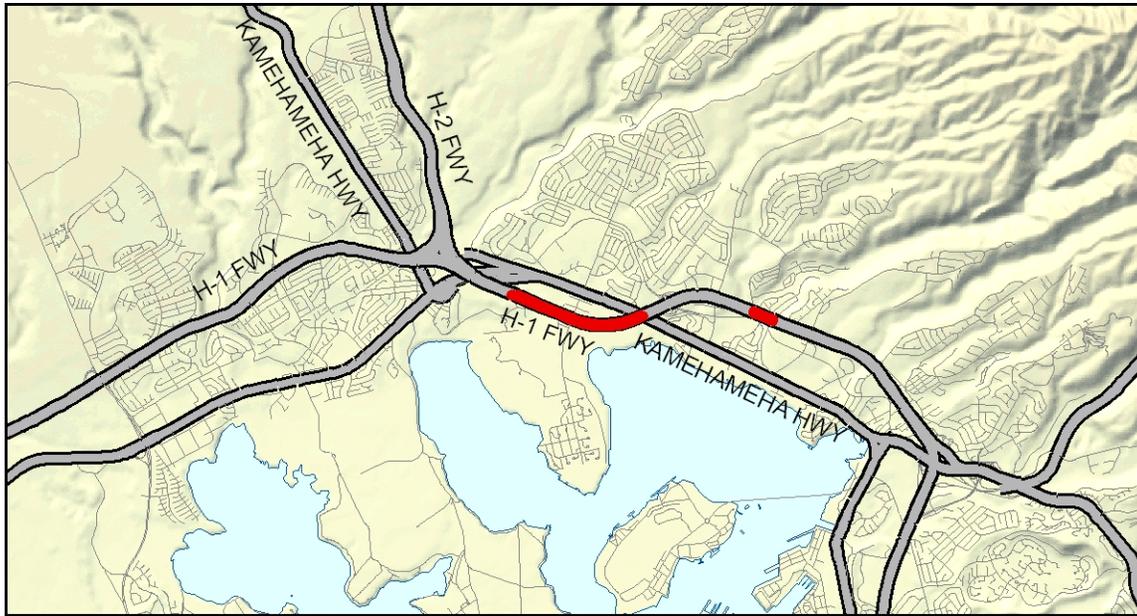
Estimated Total Project Cost: \$90,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019			FFY 2020												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
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	52,200	21,980	30,220	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	13,000	-13,000	0	12,000	-12,000	0	0	0	0	0	0	0	0	0	NHPP
Phase 3																			
DES	0	0	0	571	457	114	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ROW	0	0	0	0	0	0	0	0	0	238	190	48	0	0	0	0	0	0	NHPP

OS18 Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 2



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

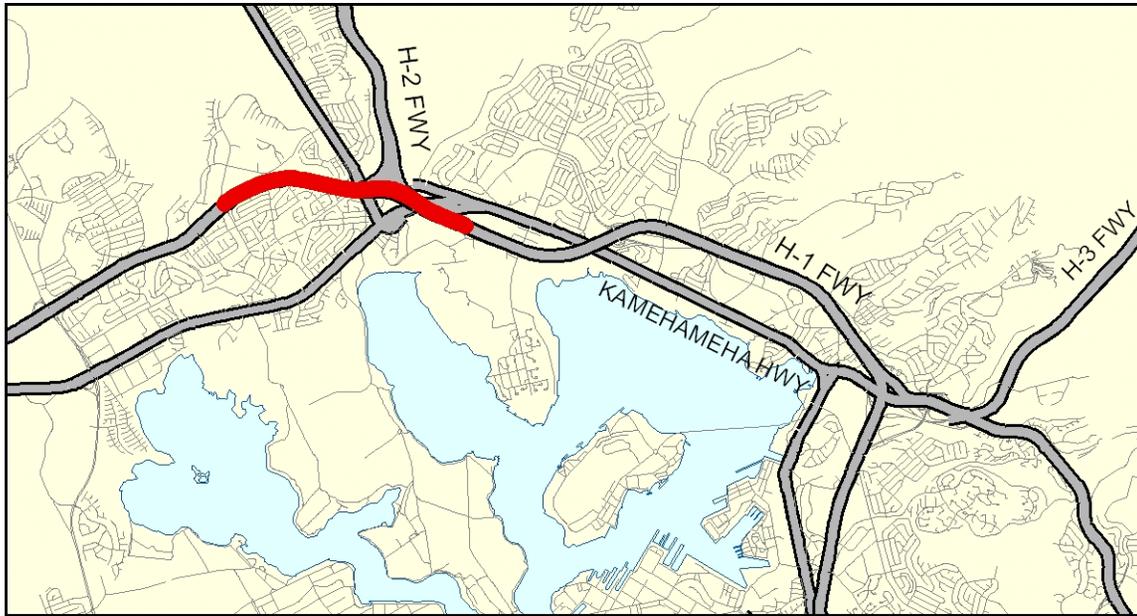
Estimated Total Project Cost: \$100,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019			FFY 2020												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
CON	0	0	0	0	0	0	0	0	0	0	0	0	24,673	14,206	10,467	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8,000	-8,000	NHPP

OS19 Interstate Route H-1, PM Contraflow, Westbound, Waiawa Interchange Improvements, Phase I



Project Description:

This is the first increment of the PM contraflow project. Add a westbound lane, for a total of four lanes, through the Waiawa Interchange. Phase 1 involves restriping the Interstate H-1 from the Waiawa Interchange to Waikele. The PM Contraflow project will construct a new contraflow lane to increase the westbound capacity in the PM peak condition by one lane from Radford Drive overpass to Waikele.

Mile Post/s: Queen Liliuokalani Freeway: MP 6.66 to MP 8.77

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: www.pmcontraflow.com

Neighborhood(s): Waipahu

Estimated Total Project Cost: \$167,000,000
(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

Phase	FFY 2015						FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category	
	Total		Federal		Local	Total		Federal		Local	Total		Federal		Local	FFY 2019		FFY 2020		Local			
	(x\$1000)	(x\$1000)	(x\$1000)																				
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19,000	17,100	1,900	NHPP

OS21 Interstate Route H-1, Waiawa Interchange, Westbound, Waipahu Off-Ramp Improvements



Project Description:

Widen the westbound Waipahu off-ramp from one to two lanes.

This is an illustrative project (i.e., it is not funded in the 4-year TIP).

Mile Post/s: Queen Liliuokalani Freeway: MP 9.21

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): Waipahu

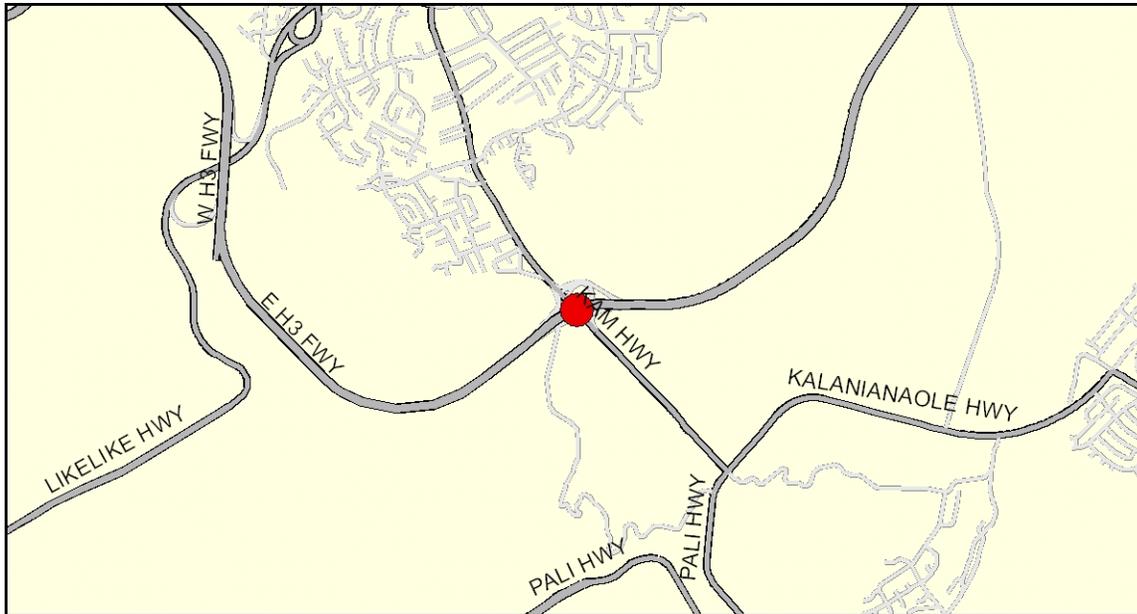
Estimated Total Project Cost: \$23,600,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019			FFY 2020												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
DES	0	0	0	0	0	0	0	0	0	0	0	0	3,642	2,913	729	0	0	0	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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
													FFY 2019			FFY 2020			
	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)	
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/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

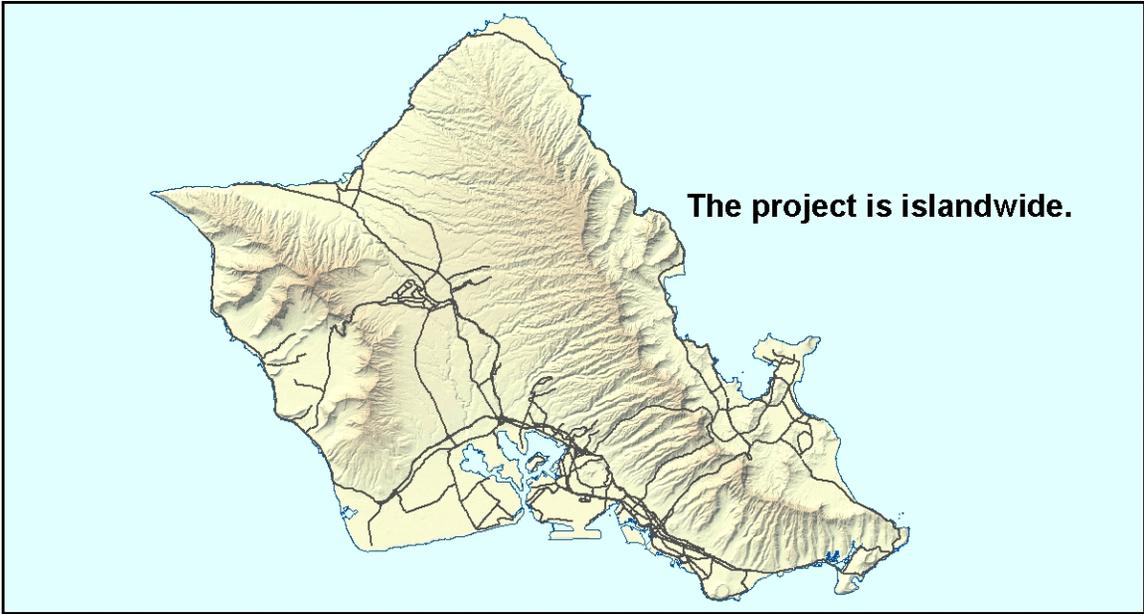
Estimated Total Project Cost: \$12,700,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2015						FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total		Federal	Local	Total		Federal	Local														
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)																	
<i>Phase 2</i>																						
CON	0	0	0	2,704	2,434	270	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP	
<i>Phase 3</i>																						
DES	0	0	0	554	499	55	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	6,000	5,400	600	0	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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019			FFY 2020												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
OPR	285	255	30	285	255	30	285	255	30	285	255	30	285	255	30	285	255	30	NHPP

OS23 Kalanianaʻole Highway (Route 72) Bicycle Improvements, Waimanalo Beach Park to Kainoa Beach Park



Project Description:

Improve bike route on Kalanianaʻole Highway, from Waimanalo Beach Park to Kainoa Beach Park. The scope of the project includes providing shared-use shoulders for bicyclists and pedestrians.

Under MAP-21, the Transportation Enhancements (TE) activities were replaced with the Transportation Alternatives Program (TAP). However, this project is continuing to use TE funds, since MAP-21 states that the original TE activities remain eligible for TE funds that were previously apportioned until the TE funds are obligated, rescinded, or lapsed.

Mile Post/s: Kalanianaʻole Highway: MP 6.71 to MP 7.32

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): Waimanalo

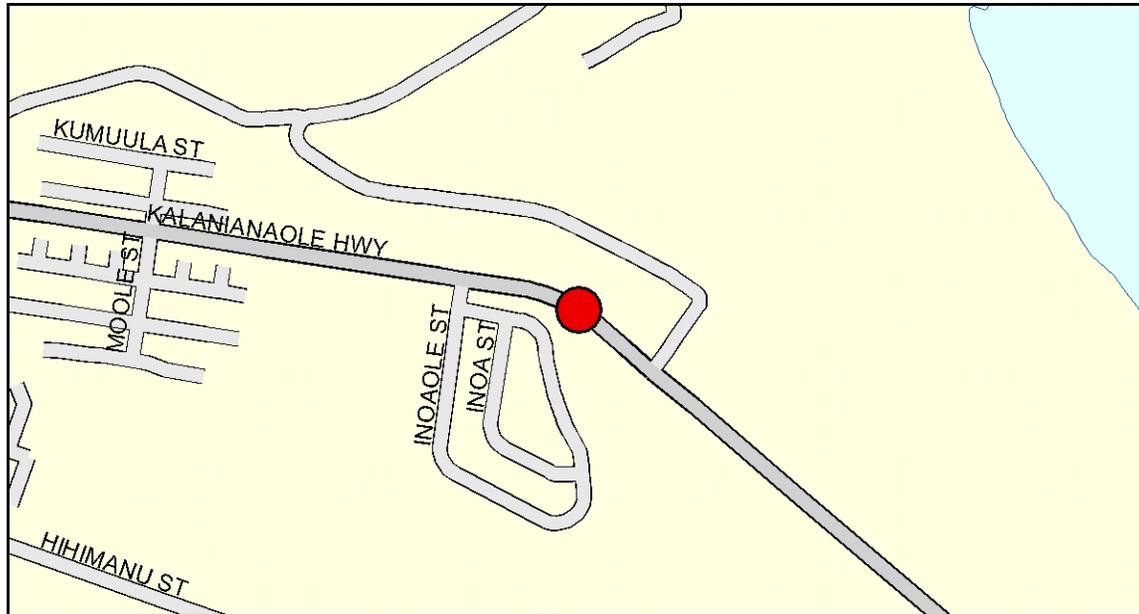
Estimated Total Project Cost: \$3,200,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category	
	Total	Federal	Local	FFY 2019			FFY 2020													
	(x\$1000)	Total	Federal	Local	Total	Federal	Local													
CON	0	0	0	250	200	50	0	0	0	0	0	0	0	0	0	0	0	0	0	Earmark HP
CON	0	0	0	2,500	2,000	500	0	0	0	0	0	0	0	0	0	0	0	0	0	Enhance

OS24 Kalaniana'ole Highway (Route 72), Bridge Replacement, Inoaole Stream Bridge, Waimanalo



Project Description:

Replace the existing bridge.

Mile Post/s: Kalaniana'ole Highway: MP 3.99

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

Estimated Total Project Cost: \$11,500,000
(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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
													FFY 2019			FFY 2020			
	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)	
CON	0	0	0	9,550	1,140	8,410	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	6,500	-6,500	0	0	0	0	0	0	0	0	0	NHPP

OS25 Kalanianaʻole Highway (Route 72), Improvements, Olomana Golf Course to Waimanalo Beach Park, Phase I, Olomana Golf Course to Poalima Street



Project Description:

Phase I involves constructing traffic operational and safety improvements on Kalanianaʻole Highway from Olomana Golf Course to Poalima Street. Project includes turning lanes, bus pullouts, and lighting improvements.

Mile Post/s: Kalanianaʻole 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: \$45,000,000
(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

Phase	FOR INFORMATION ONLY																		Funding Category
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020			
	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)	
ADVCON	0	4,500	-4,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP

OS26 Kalanianaʻole Highway (Route 72), Improvements, Olomana Golf Course to Waimanalo Beach Park, Phase II, Poalima Street to Aloiloi Street



Project Description:

Construct traffic operational and safety improvements on Kalanianaʻole Highway, from Poalima Street to Aloiloi Street. Project includes turning lanes, bus pullouts, and lighting improvements.

Mile Post/s: Kalanianaʻole Highway: MP 3.35 to MP 4.58

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

Estimated Total Project Cost: \$45,000,000
(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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019			FFY 2020												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
DES	918	734	184	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	13,300	10,640	2,660	NHPP

OS27 Kamehameha Highway (Route 83), Bridge Rehabilitation, 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

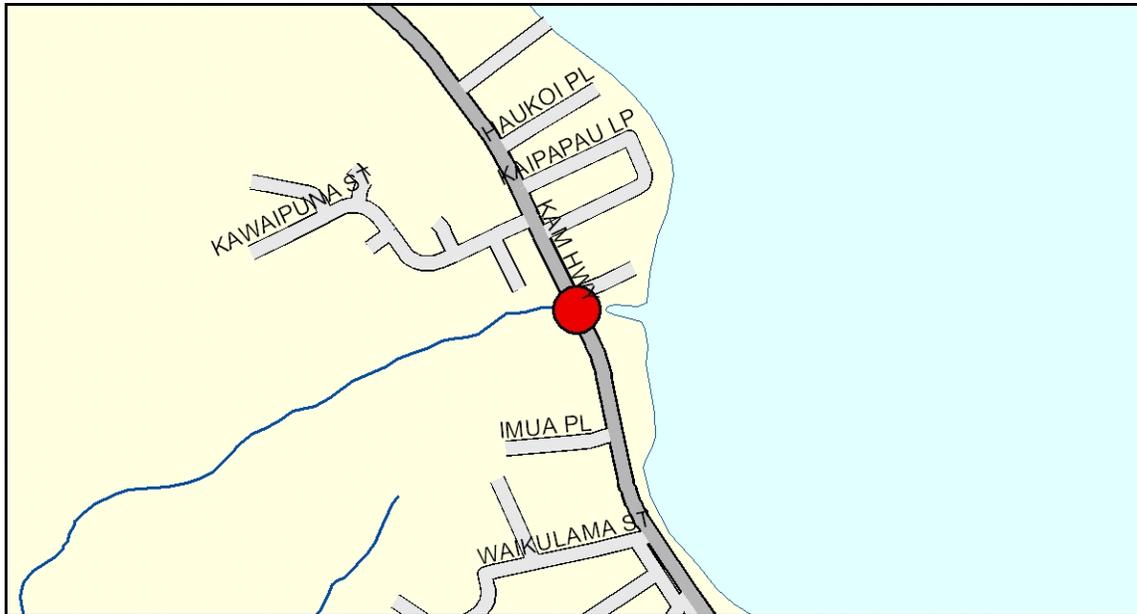
Estimated Total Project Cost: \$7,400,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019		FFY 2020													
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)														
ROW	275	220	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP	
CON	0	0	0	0	0	0	6,000	800	5,200	0	0	0	0	0	0	0	0	NHPP	
ADVCON	0	0	0	0	0	0	0	0	0	0	4,000	-4,000	0	0	0	0	0	NHPP	

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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019		FFY 2020													
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)															
CON	0	0	0	16,580	3,264	13,316	0	0	0	0	0	0	0	0	0	0	0	NHPP	
ADVCON	0	0	0	0	0	0	0	10,000	-10,000	0	0	0	0	0	0	0	0	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

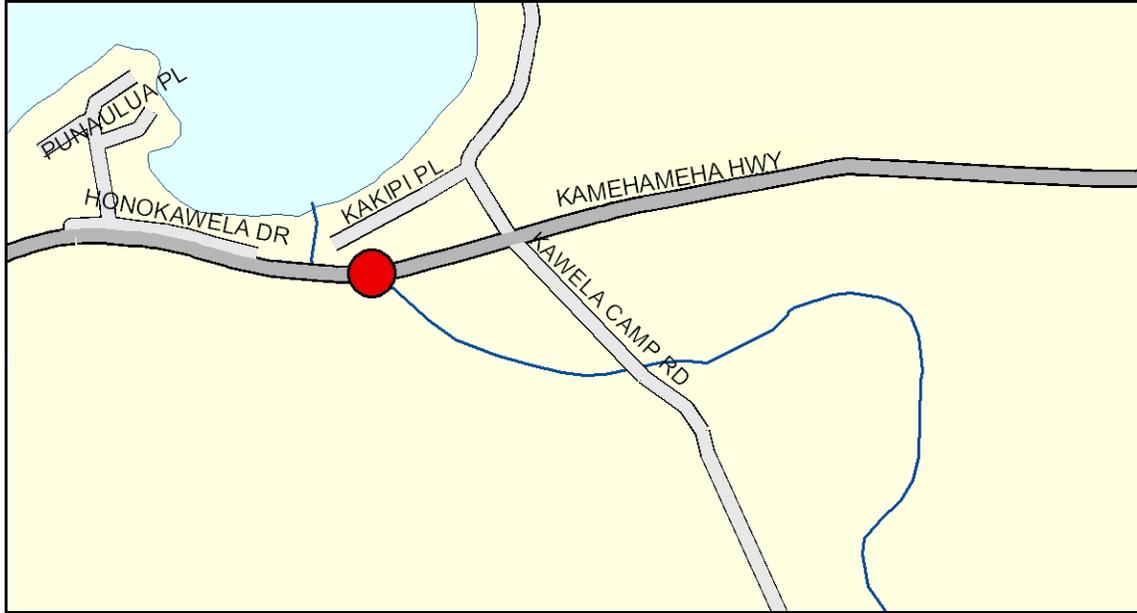
Estimated Total Project Cost: \$11,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
													FFY 2019			FFY 2020			
	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)	
ROW	612	490	122	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	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: \$10,700,000
(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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019		FFY 2020													
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)															
CON	0	0	0	9,735	7,788	1,947	0	0	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: \$10,300,000
(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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019		FFY 2020													
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)														
CON	0	0	0	9,183	846	8,337	0	0	0	0	0	0	0	0	0	0	0	NHPP	
ADVCON	0	0	0	0	0	0	0	6,500	-6,500	0	0	0	0	0	0	0	0	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

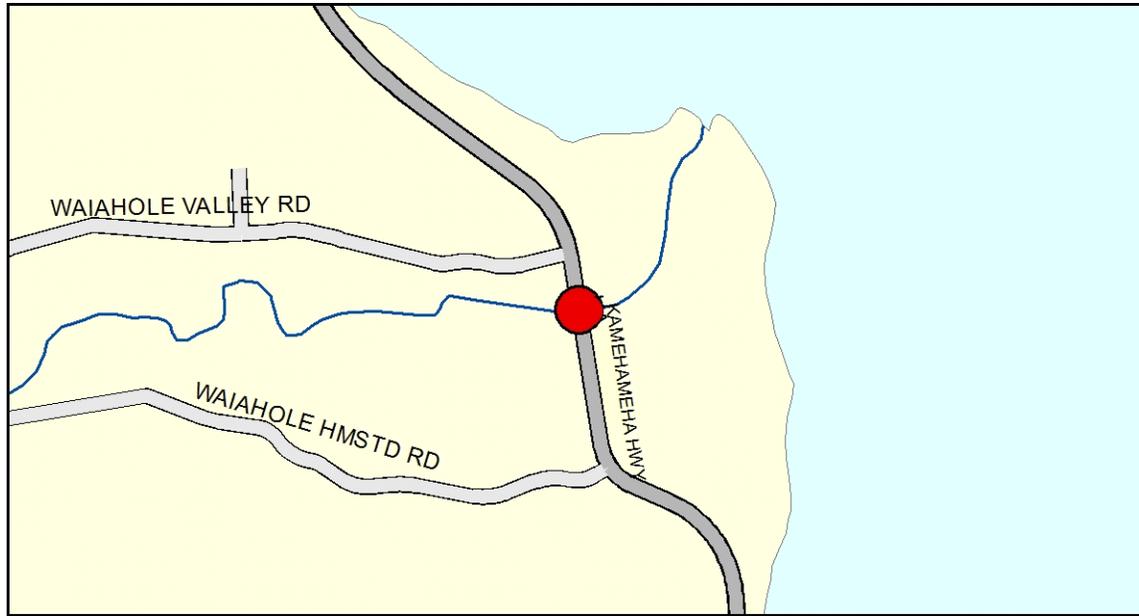
Estimated Total Project Cost: \$28,300,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019			FFY 2020												
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)													
ROW	984	787	197	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	26,000	1,800	24,200	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	19,000	-19,000	0	0	0	0	0	0	NHPP

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

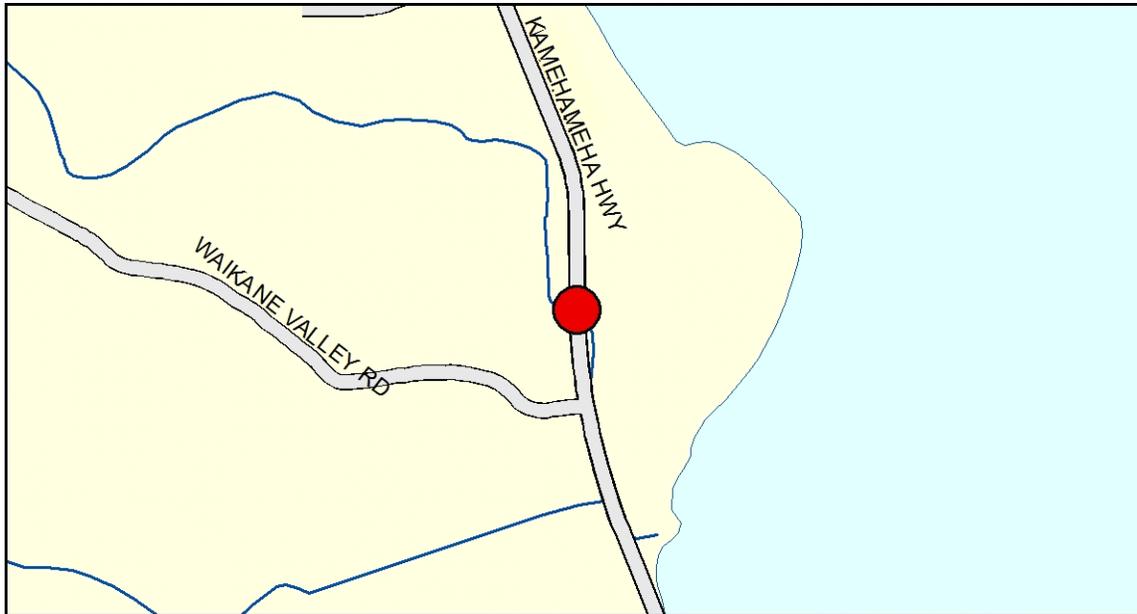
Estimated Total Project Cost: \$13,300,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019			FFY 2020												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
PREROW	0	0	0	110	88	22	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ROW	0	0	0	0	0	0	562	450	112	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	11,708	4,366	7,342	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	5,000	-5,000	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: \$10,200,000
(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

Phase	FOR INFORMATION ONLY															Funding Category			
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019				FFY 2020		
	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)
CON	0	0	0	0	0	0	0	0	0	0	0	0	8,925	2,140	6,785	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

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: \$10,300,000
(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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019		FFY 2020													
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
CON	0	0	0	8,900	7,120	1,780	0	0	0	0	0	0	0	0	0	0	0	0	NHPP

OS37 Kamehameha Highway (Route 83), Rockfall Protection, 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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category		
	Total	Federal	Local	FFY 2019			FFY 2020														
	(x\$1000)	Total	Federal	Local	Total	Federal	Local														
ROW	470	376	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP	
<i>Phase 1: Haleiwa</i>																					
CON	0	0	0	0	0	0	0	0	0	10,080	8,064	2,016	0	0	0	0	0	0	0	NHPP	
<i>Phase 2: Sunset Beach</i>																					
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8,000	6,400	1,600	0	NHPP	

OS51 Kamehameha Highway (Route 83), Safety Improvements Kahekili Highway (Route 83) to Vicinity of Waikane Valley Road



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:

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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019			FFY 2020												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
CON	1,600	1,280	320	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	HSIP

OS38 Kamehameha Highway (Route 83), Shoreline Protection, Vicinity of Hauula



Project Description:

Construct shoreline protection measures for areas in Hauula along Kamehameha Highway susceptible to ocean erosion due to high wave action.

Mile Post/s: Kamehameha Highway: MP 22.20

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

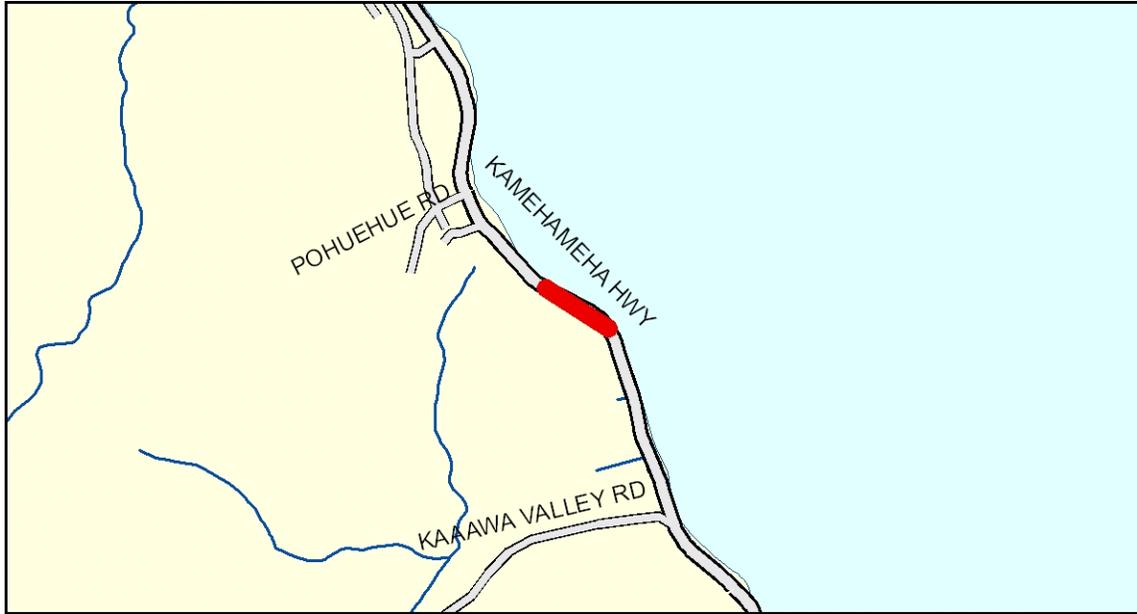
Estimated Total Project Cost: \$6,600,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019			FFY 2020												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,700	4,560	1,140	NHPP

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



Project Description:

Construct shoreline protection measures for areas in Kaaawa along Kamehameha Highway 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: \$11,400,000
(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

Phase	FFY 2015						FFY 2016						FFY 2017						FFY 2018						FOR INFORMATION ONLY						Funding Category
	Total		Federal		Local		Total		Federal		Local		Total		Federal		Local		Total		Federal		Local		Total		Federal		Local		
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)																										
CON	0	0	0	10,200	8,160	2,040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP		

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



Project Description:

Construct shoreline protection measures for areas in Punaluu along Kamehameha Highway (Route 83) 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: \$7,900,000
(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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019		FFY 2020													
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)														
CON	0	0	0	0	0	0	0	0	0	7,350	880	6,470	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	5,000	-5,000	0	0	0	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

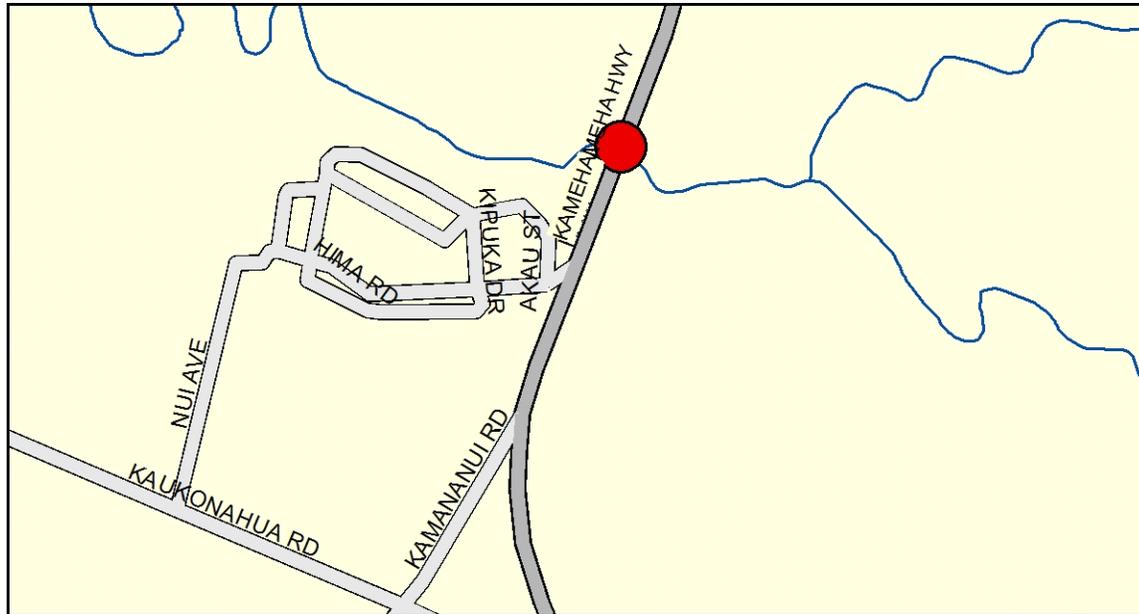
Estimated Total Project Cost: \$7,700,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2015						FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total		Federal		Local	Total		Federal		Local	Total		Federal		Local	FFY 2019		FFY 2020				
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)																	
CON	0	0	0	0	0	0	0	0	0	6,500	1,200	5,300	0	0	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	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

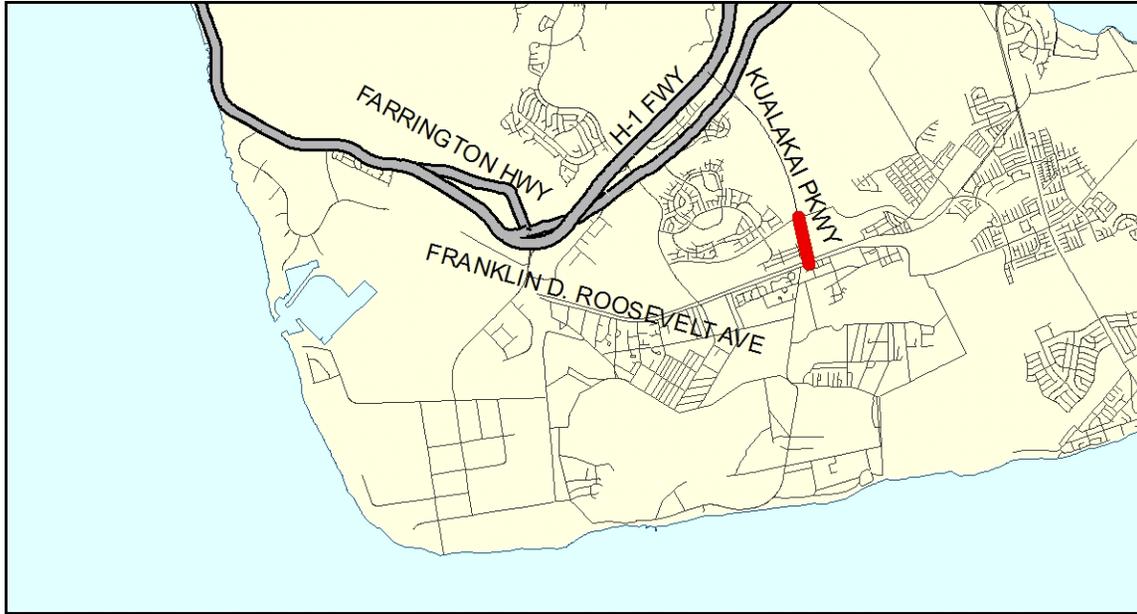
Estimated Total Project Cost: \$22,100,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category	
	Total	Federal	Local	FFY 2019			FFY 2020													
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)														
PREROW	104	82	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP	
ROW	0	0	0	1,148	918	230	0	0	0	0	0	0	0	0	0	0	0	0	0	Earmark HP
CON	0	0	0	0	0	0	0	0	0	18,000	5,400	12,600	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	9,000	-9,000	0	0	0	0	NHPP

OS42 Kualakai Parkway (Route 8930) Extension



Project Description:

Extend Kualakai Parkway approximately 0.3 miles from Kapolei Parkway to Roosevelt Avenue. The design details are not yet known. Therefore, pedestrian and bicycle elements have not yet been determined.

Mile Post/s: North-South Road: MP 2.47 to MP 3.00

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): Ewa

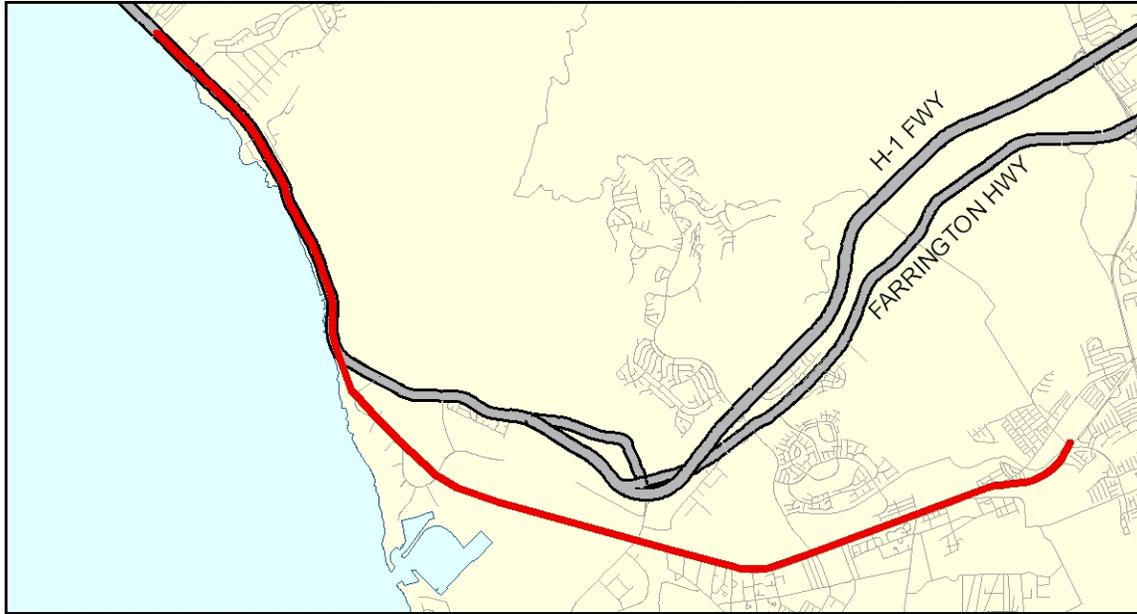
Estimated Total Project Cost: \$20,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019			FFY 2020												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
CON	0	0	0	0	0	0	17,700	4,160	13,540	0	0	0	0	0	0	0	0	0	STP Flex
ADVCON	0	0	0	0	0	0	0	0	0	0	10,000	-10,000	0	0	0	0	0	0	STP Flex

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



Project Description:

Improve the bikeway/bike path from the Hawaiian Railway Society Train Station to Lualualei Naval Road.

Under MAP-21, the Transportation Enhancements (TE) activities were replaced with the Transportation Alternatives Program (TAP). However, this project is continuing to use TE funds, since MAP-21 states that the original TE activities remain eligible for TE funds that were previously apportioned until the TE funds are obligated, rescinded, or lapsed.

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

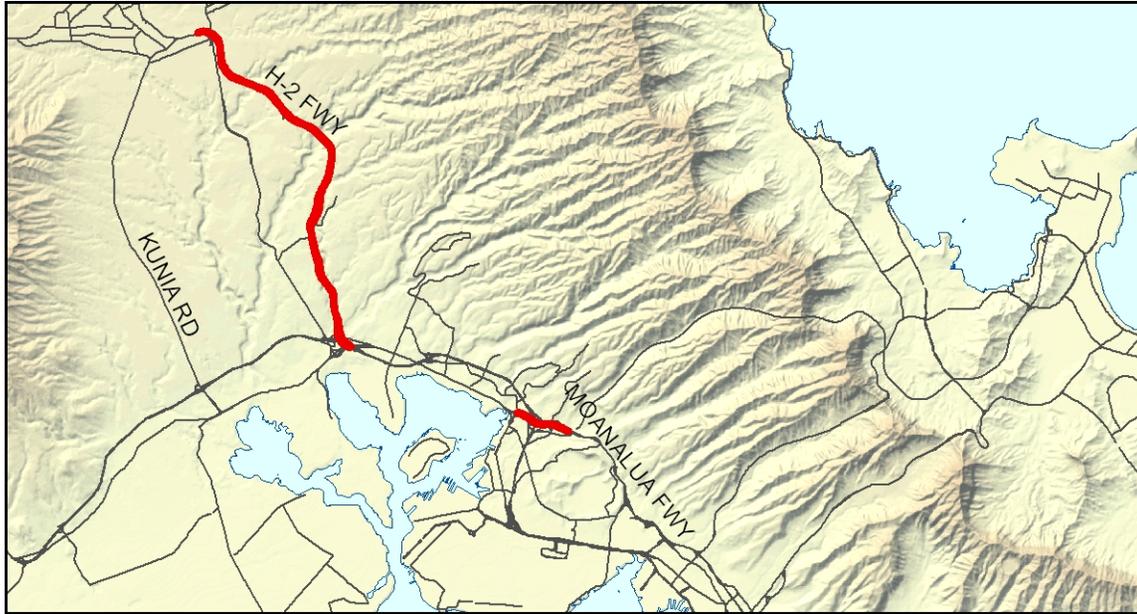
Estimated Total Project Cost: \$19,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category	
	Total	Federal	Local	FFY 2019			FFY 2020													
	(x\$1000)	Total	Federal	Local	Total	Federal	Local													
PREROW	0	0	0	106	84	22	0	0	0	0	0	0	0	0	0	0	0	0	0	Enhance
ROW	0	0	0	0	0	0	0	0	0	3,000	2,400	600	0	0	0	0	0	0	0	Enhance
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,900	3,120	780	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

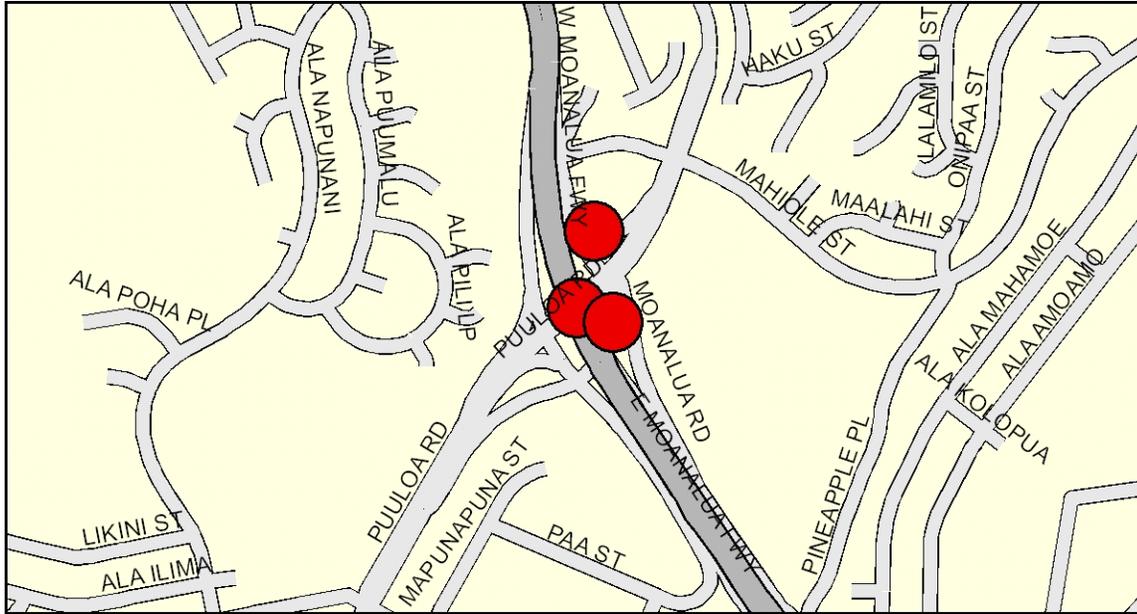
Estimated Total Project Cost: \$6,720,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019			FFY 2020												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
CON	0	0	0	6,120	896	5,224	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

OS48 Moanalua Freeway (Route H-201) Seismic Retrofit, Puuloa 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):

Estimated Total Project Cost: \$7,200,000
(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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
													FFY 2019			FFY 2020			
	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)	
CON	0	0	0	0	0	0	6,580	0	6,580	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	5,264	-5,264	0	0	0	0	0	0	NHPP

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



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: \$6,300,000
(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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019			FFY 2020												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
CON	6,000	5,400	600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP

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



Project Description:

Upgrade/replace existing freeway lighting on Moanalua Freeway from the Ewa end of the Moanalua Freeway (milepost 0) to the Interstate Route 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

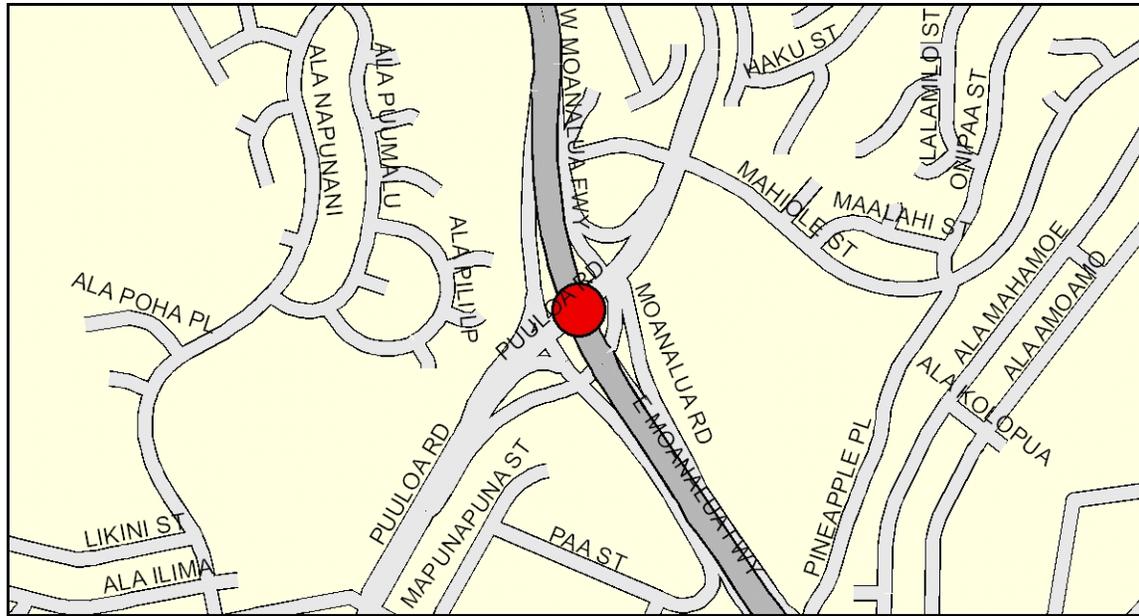
Estimated Total Project Cost: \$2,700,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019			FFY 2020												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
CON	0	0	0	2,435	1,948	487	0	0	0	0	0	0	0	0	0	0	0	0	NHPP

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



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

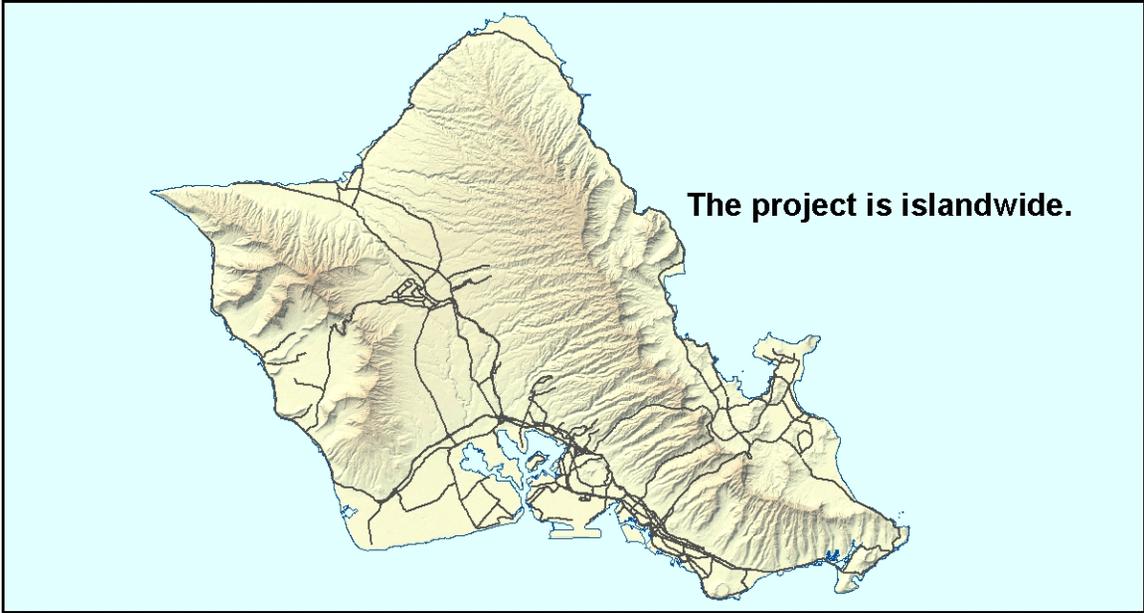
Estimated Total Project Cost: \$4,500,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019			FFY 2020												
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)													
CON	0	0	0	0	0	0	4,030	224	3,806	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	0	0	0	0	0	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

Phase	FOR INFORMATION ONLY																		Funding Category
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020			
	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)	
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:

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. This includes auxiliary lanes to accommodate trucks, traffic controls, truck weighing infrastructure and computer hardware/software, operator kiosk/office.

Mile Post/s: MP 1.86 to MP 2.12

Complete Streets (CS):

Project will implement: Not applicable

Existing Feature/s: Not applicable

Project Website:

Neighborhood(s): Kalihi-Palama

Estimated Total Project Cost: \$6,000,000
(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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019			FFY 2020												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
DES	132	104	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ROW	128	101	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	5,000	4,000	1,000	0	0	0	0	0	0	0	0	0	NHPP

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: \$95,102,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

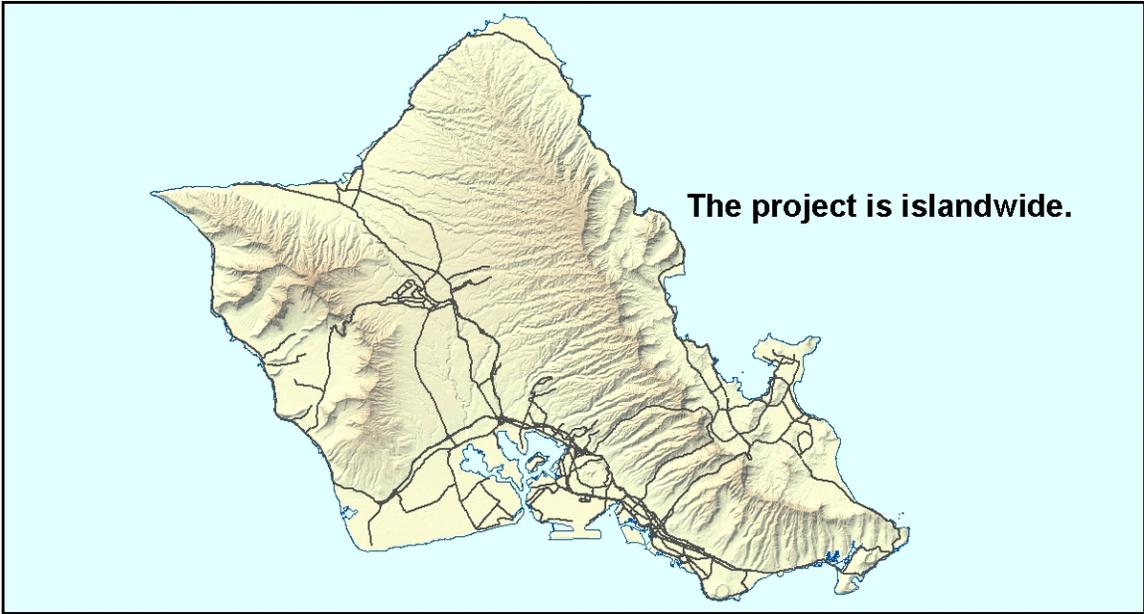
Project Sponsor: City and County of Honolulu (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:

City Department of Transportation Services

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category	
	Total	Federal	Local	FFY 2019		FFY 2020														
	(x\$1000)	Total	Federal	Local	Total	Federal	Local													
DES	1	0	1	1	0	1	10	0	10	0	0	0	0	0	0	0	0	0	0	Local Only
CON	22,970	0	22,970	23,208	0	23,208	25	0	25	0	0	0	0	0	0	0	0	0	0	STP Flex
ADVCON	0	10,914	-10,914	0	10,370	-10,370	0	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	0	0	0	0	0	0	0	0	0	0	Local Only

OC2 Bikeway Improvements



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.oahubikeplan.org

Neighborhood(s): Islandwide

Estimated Total Project Cost: \$14,094,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

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

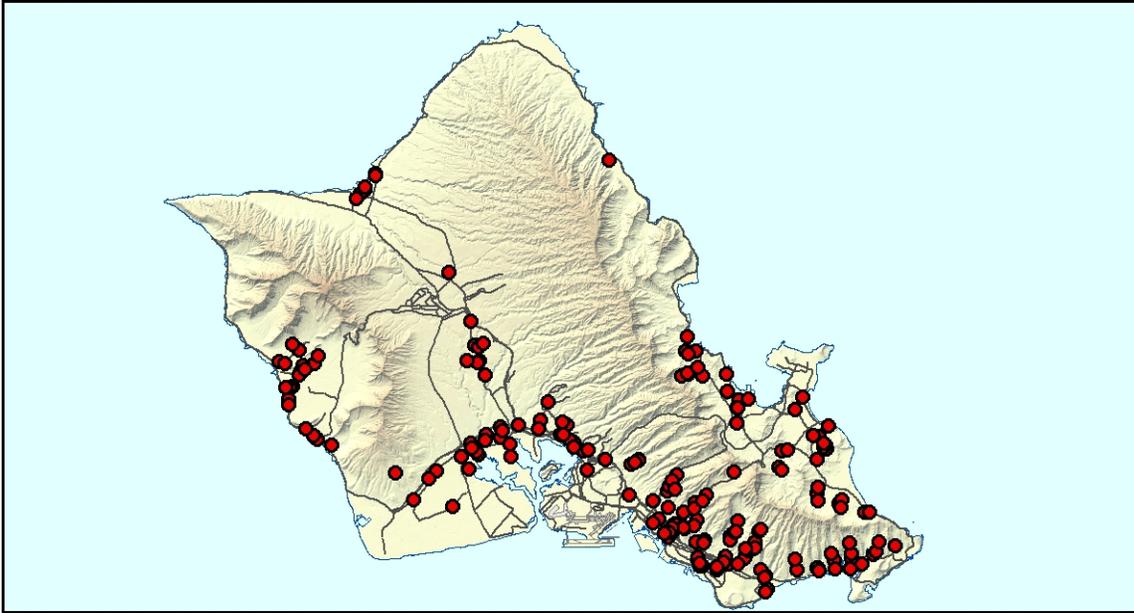
Agency Responsible for Carrying Out Project/Phase:
City Department of Transportation Services

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category	
	Total	Federal	Local	FFY 2019		FFY 2020														
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)															
Hamakua Drive (Route 6010)																				
CON	650	520	130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex

OC2 Bikeway Improvements

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019			FFY 2020												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
<i>Hamakua Drive (Route 6010)</i>																			
INSP	150	120	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
<i>Pearl Harbor Bike Path</i>																			
CON	0	0	0	1,700	1,360	340	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
INSP	0	0	0	300	240	60	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
<i>TBD - CON 2017</i>																			
DES	0	0	0	250	200	50	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
CON	0	0	0	0	0	0	2,350	1,840	510	0	0	0	0	0	0	0	0	0	STP Flex
EQP	0	0	0	0	0	0	10	0	10	0	0	0	0	0	0	0	0	0	Local Only
<i>TBD - CON 2018</i>																			
PLN	0	0	0	0	0	0	100	0	100	0	0	0	0	0	0	0	0	0	Local Only
DES	0	0	0	0	0	0	300	0	300	0	0	0	0	0	0	0	0	0	Local Only
ROW	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	Local Only
CON	0	0	0	0	0	0	0	0	0	2,350	1,840	510	0	0	0	0	0	0	STP Flex
EQP	0	0	0	0	0	0	0	0	0	10	0	10	0	0	0	0	0	0	Local Only
<i>TBD - CON 2019</i>																			
PLN	0	0	0	0	0	0	0	0	0	100	0	100	0	0	0	0	0	0	Local Only
DES	0	0	0	0	0	0	0	0	0	300	0	300	0	0	0	0	0	0	Local Only
ROW	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	Local Only
CON	0	0	0	0	0	0	0	0	0	0	0	0	2,350	1,840	510	0	0	0	STP Flex
EQP	0	0	0	0	0	0	0	0	0	0	0	0	10	0	10	0	0	0	Local Only
<i>TBD - CON 2020</i>																			
PLN	0	0	0	0	0	0	0	0	0	0	0	0	100	0	100	0	0	0	Local Only
DES	0	0	0	0	0	0	0	0	0	0	0	0	300	0	300	0	0	0	Local Only
ROW	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	Local Only
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,350	1,840	510	STP Flex
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	10	Local Only
<i>TBD - CON 2021</i>																			
PLN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	100	Local Only
DES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	300	0	300	Local Only
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.)

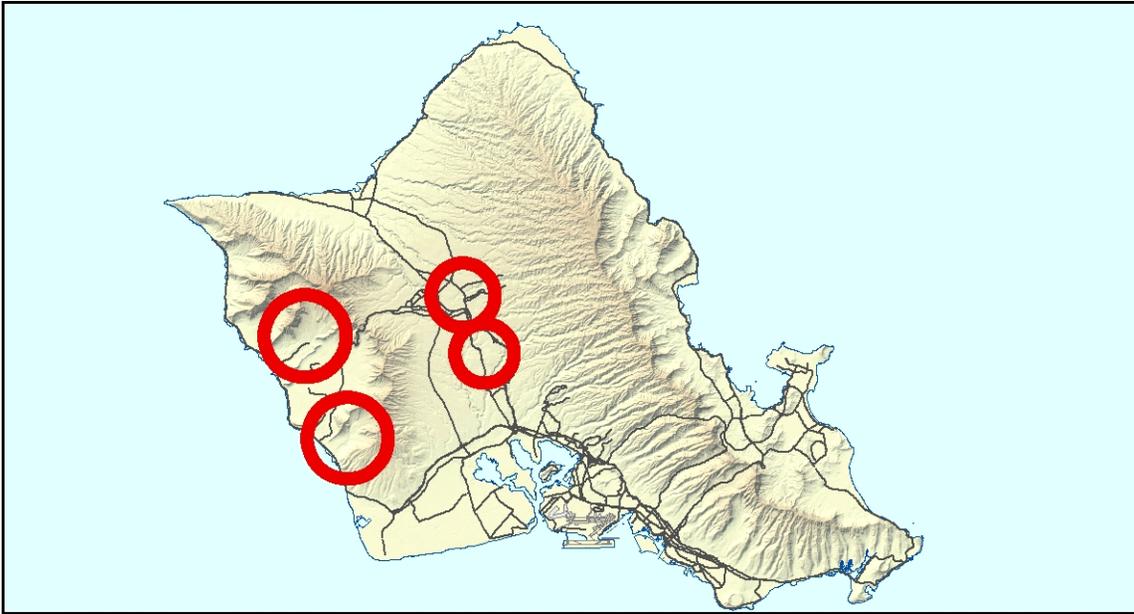
Project Sponsor: City and County of Honolulu (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:

City Department of Design and Construction

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019			FFY 2020												
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)													
DES	900	720	180	900	720	180	900	720	180	900	720	180	1,000	800	200	1,000	800	200	Bridge Off

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: \$13,403,000
(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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category	
	Total	Federal	Local	FFY 2019			FFY 2020													
	(x\$1000)	Total	Federal	Local	Total	Federal	Local													
<i>Phase 14: Mililani Town</i>																				
DES	0	0	0	0	0	0	350	280	70	0	0	0	0	0	0	0	0	0	0	STP Flex
CON	0	0	0	0	0	0	0	0	0	4,000	3,200	800	0	0	0	0	0	0	0	STP Flex
EQP	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	Local Only
<i>Phase 15: Wahiawa</i>																				
DES	0	0	0	0	0	0	0	0	0	350	280	70	0	0	0	0	0	0	0	STP Flex
CON	0	0	0	0	0	0	0	0	0	0	0	0	4,000	3,200	800	0	0	0	0	STP Flex
EQP	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	Local Only
<i>Phase 16: Nanakuli/Waianae</i>																				
DES	0	0	0	0	0	0	0	0	0	0	0	0	350	280	70	0	0	0	0	STP Flex
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,000	3,200	800	0	STP Flex
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	Local Only
<i>Phase 17: TBD</i>																				

OC4 Computerized Traffic Control System

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019			FFY 2020												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
<i>Phase 17: TBD</i>																			
DES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	350	280	70	STP Flex

OC5 Farrington Highway (Routes 7110 and 9107) Improvements, Phase 1



Project Description:

Improve the two-lane undivided Farrington Highway between Fort Weaver Road and Kapolei Golf Course Road to implement future transportation plans and accommodate future transportation needs. This project will be constructed in phases.

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: No information available.

Project Website: None

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

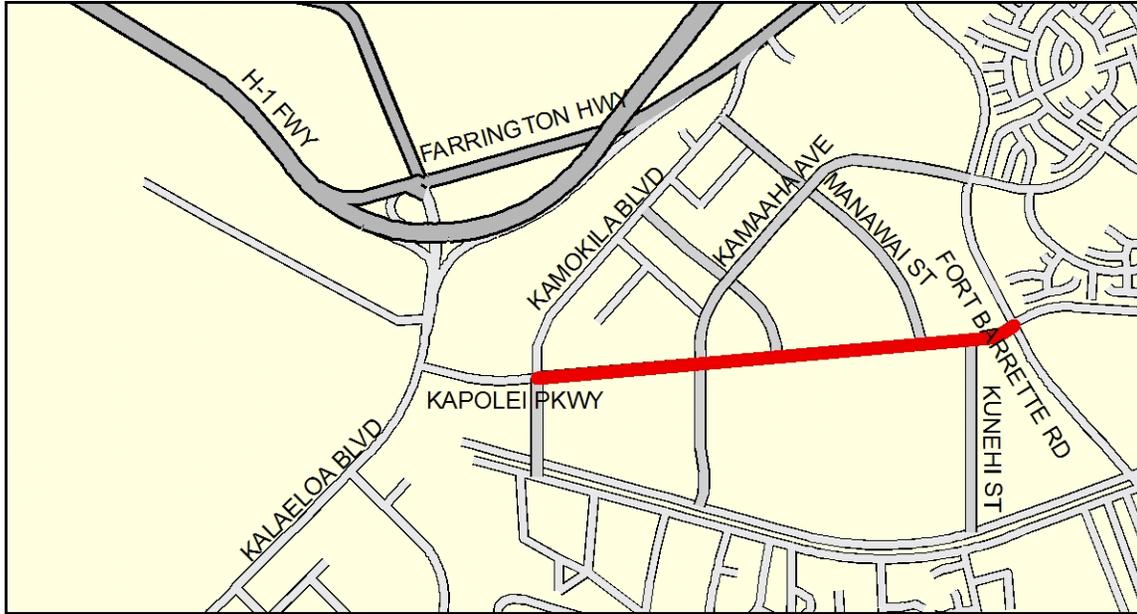
Estimated Total Project Cost: \$100,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

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

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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019			FFY 2020												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
CON	0	0	0	0	0	0	20,000	8,930	11,070	20,000	6,210	13,790	20,000	4,000	16,000	20,000	4,000	16,000	STP Flex

OC6 Kapolei Parkway Extension (Route 8920)



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

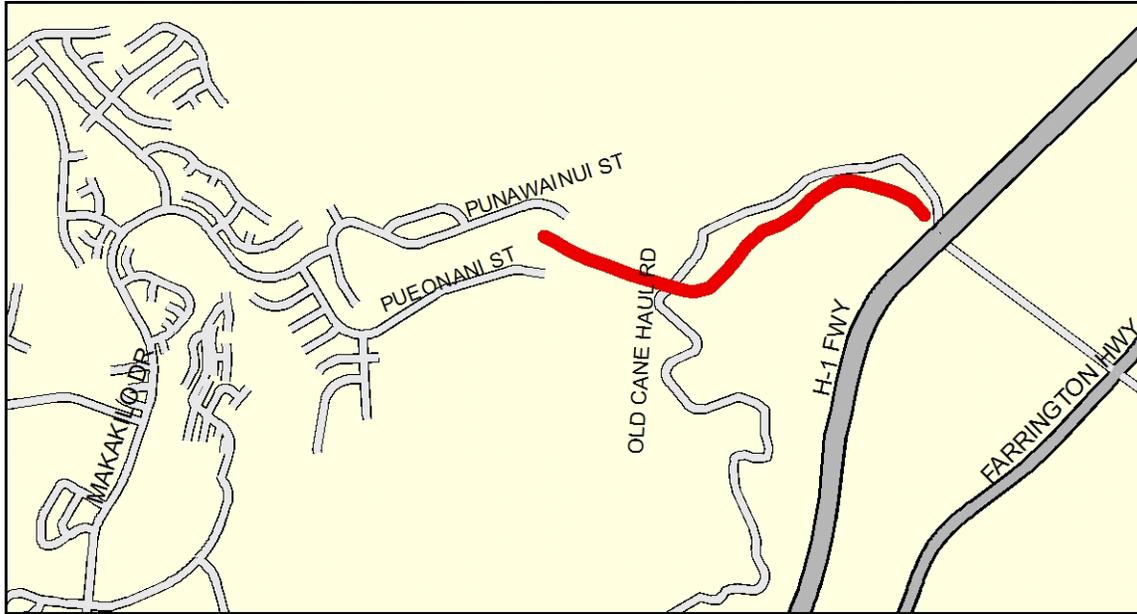
Estimated Total Project Cost: \$21,589,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

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

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

Phase	FOR INFORMATION ONLY																		Funding Category
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020			
	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)	
DES	50	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
CON	1,200	960	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

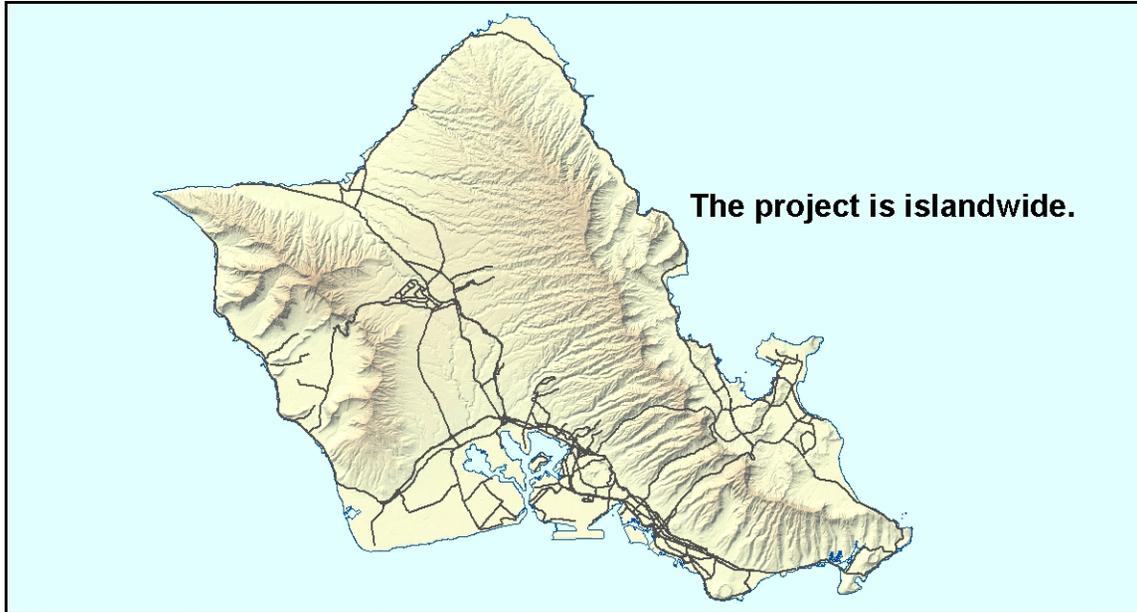
Estimated Total Project Cost: \$46,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

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

Agency Responsible for Carrying Out Project/Phase:

City Department of Transportation Services

Phase	FFY 2015						FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category	
	Total		Federal		Local		Total		Federal		Local		Total		Federal		Local		FFY 2019		FFY 2020		
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)		(x\$1000)															
DES	0	0	0	3,000	0	3,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	20,000	4,000	16,000	20,000	4,000	16,000	20,000	4,000	16,000	STP Flex



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: \$13,030,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

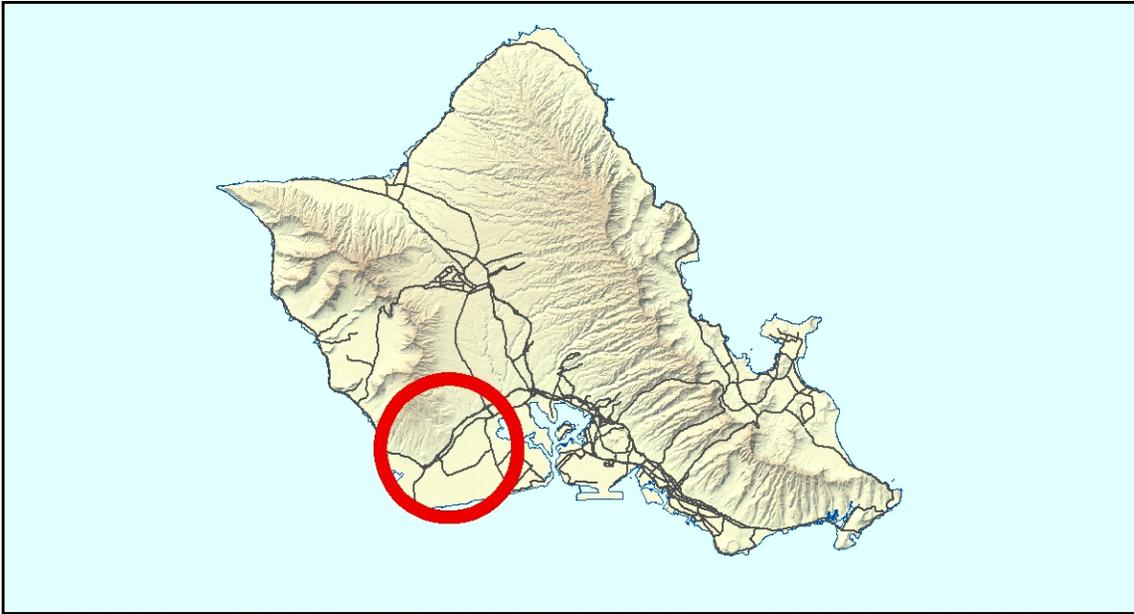
Project Sponsor: City and County of Honolulu (FHWA Funded)

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

OC8 Traffic Improvements at Various Locations

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019			FFY 2020												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
<i>Kalaheo Avenue/Kailua Road</i>																			
ROW	0	0	0	110	60	50	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
CON	0	0	0	1,500	600	900	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
INSP	0	0	0	250	100	150	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
<i>Palolo - 9th Avenue/10th Avenue</i>																			
CON	150	120	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
INSP	50	40	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
<i>TBD - CON 2017</i>																			
DES	0	0	0	500	200	300	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
CON	0	0	0	0	0	0	2,130	960	1,170	0	0	0	0	0	0	0	0	0	STP Flex
<i>TBD - CON 2018</i>																			
PLN	0	0	0	0	0	0	50	0	50	0	0	0	0	0	0	0	0	0	Local Only
DES	0	0	0	0	0	0	400	0	400	0	0	0	0	0	0	0	0	0	Local Only
ROW	0	0	0	0	0	0	50	0	50	0	0	0	0	0	0	0	0	0	Local Only
CON	0	0	0	0	0	0	0	0	0	2,130	960	1,170	0	0	0	0	0	0	STP Flex
<i>TBD - CON 2019</i>																			
PLN	0	0	0	0	0	0	0	0	0	50	0	50	0	0	0	0	0	0	Local Only
DES	0	0	0	0	0	0	0	0	0	400	0	400	0	0	0	0	0	0	Local Only
ROW	0	0	0	0	0	0	0	0	0	50	0	50	0	0	0	0	0	0	Local Only
CON	0	0	0	0	0	0	0	0	0	0	0	0	2,130	960	1,170	0	0	0	STP Flex
<i>TBD - CON 2020</i>																			
PLN	0	0	0	0	0	0	0	0	0	0	0	0	50	0	50	0	0	0	Local Only
DES	0	0	0	0	0	0	0	0	0	0	0	0	400	0	400	0	0	0	Local Only
ROW	0	0	0	0	0	0	0	0	0	0	0	0	50	0	50	0	0	0	Local Only
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,130	960	1,170	STP Flex
<i>Village Park/Kupuna Loop</i>																			
DES	450	360	90	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:

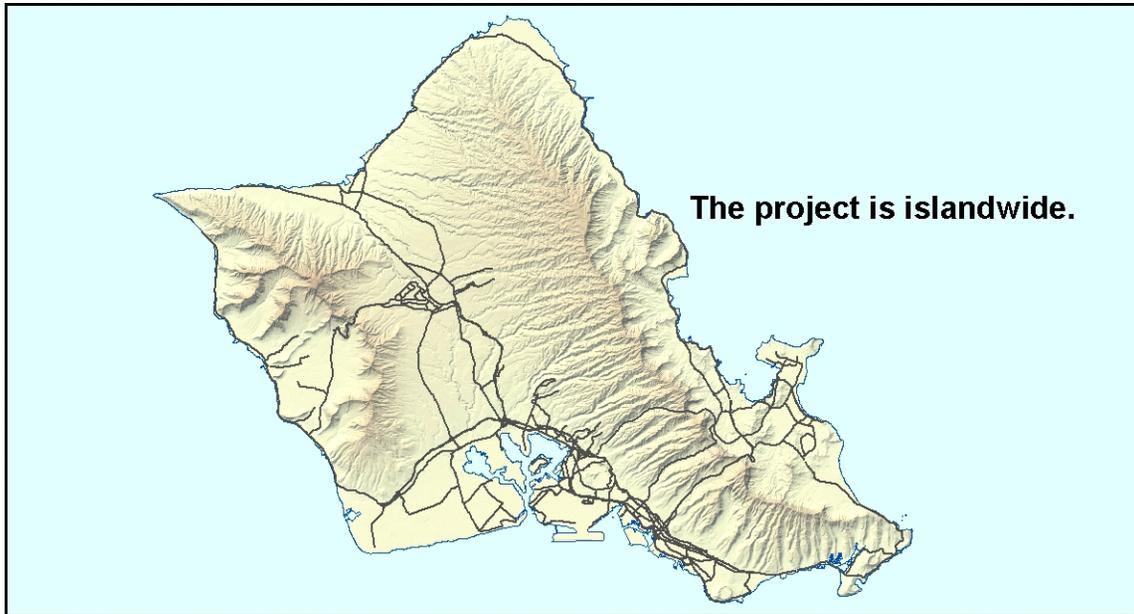
Hawaii Department of Transportation

Phase	FFY 2015						FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020						
	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)				
<i>Phase 6 (Kapolei, Ewa, and Makakilo areas)</i>																						
PLN	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	Local Only			
DES	0	0	0	0	0	0	600	500	100	0	0	0	0	0	0	0	0	0	STP Flex			
<i>Phase 7 (TBD)</i>																						
PLN	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	Local Only			
DES	0	0	0	0	0	0	0	0	0	100	0	100	0	0	0	0	0	0	STP Flex			
<i>Phase 8 (TBD)</i>																						

OC9 Traffic Signal Optimization

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019			FFY 2020												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
<i>Phase 8 (TBD)</i>																			
PLN	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	Local Only
DES	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.

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: \$24,700,000

(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:

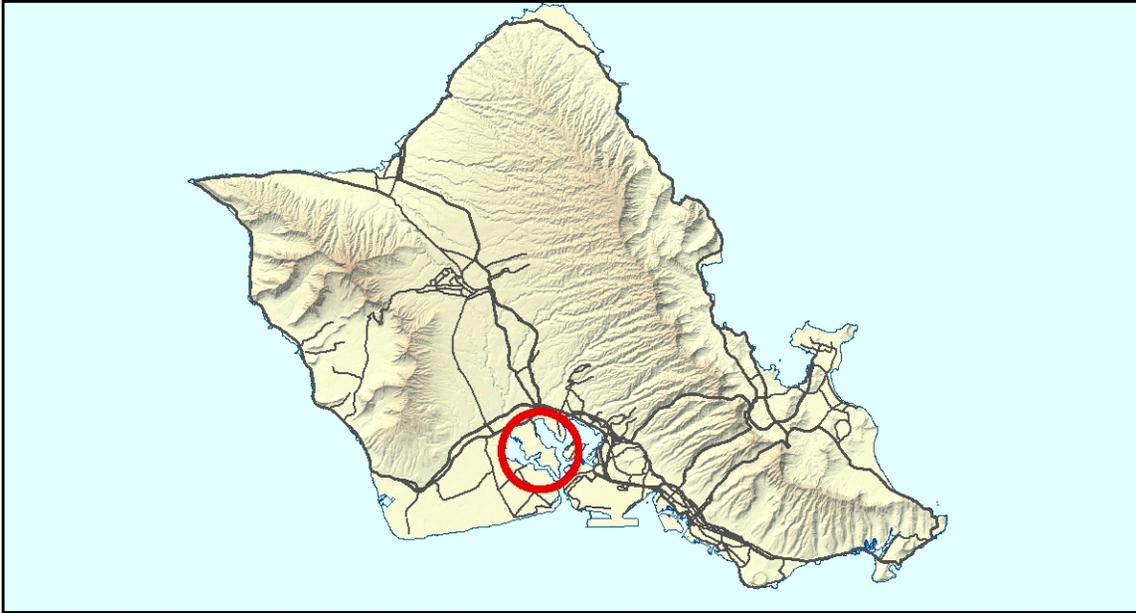
City Department of Transportation Services

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019			FFY 2020												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
<i>Phase 16 - Kapiolani Boulevard/Kaimuki Avenue, King Street/Ward Avenue, Salt Lake Boulevard/Radford Drive, Ulune Street/Service Road, Farrington Highway/Nanaiekola Street, Nehoa Street/Mott-Smith Drive, Ala Ilima Street/Ala Lilikoi Street, Kamehameha Highway/Lipoa Street, Atkinson Drive/Mahukona Street</i>																			
PLN	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
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	Local Only
<i>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</i>																			
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	3,550	2,800	750	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex

OC10 Traffic Signals at Various Locations

Phase	FOR INFORMATION ONLY																		Funding Category
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020			
	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)	
<i>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</i>																			
EQP	0	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
<i>Phase 18 - TBD</i>																			
DES	0	0	0	438	350	88	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
CON	0	0	0	0	0	0	3,750	3,000	750	0	0	0	0	0	0	0	0	0	STP Flex
EQP	0	0	0	0	0	0	4	0	4	0	0	0	0	0	0	0	0	0	Local Only
<i>Phase 19 - TBD</i>																			
DES	0	0	0	0	0	0	438	350	88	0	0	0	0	0	0	0	0	0	STP Flex
CON	0	0	0	0	0	0	0	0	0	3,750	3,000	750	0	0	0	0	0	0	STP Flex
EQP	0	0	0	0	0	0	0	0	0	4	0	4	0	0	0	0	0	0	Local Only
<i>Phase 20 - TBD</i>																			
DES	0	0	0	0	0	0	0	0	0	438	350	88	0	0	0	0	0	0	STP Flex
CON	0	0	0	0	0	0	0	0	0	0	0	0	3,750	3,000	750	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
<i>Phase 21 - TBD</i>																			
DES	0	0	0	0	0	0	0	0	0	0	0	0	438	350	88	0	0	0	STP Flex
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,750	3,000	750	STP Flex
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	Local Only
<i>Phase 22 - TBD</i>																			
DES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	Local Only
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	438	350	88	STP Flex

OC11 Waipio Point Access Road Improvements (Route 7139)



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

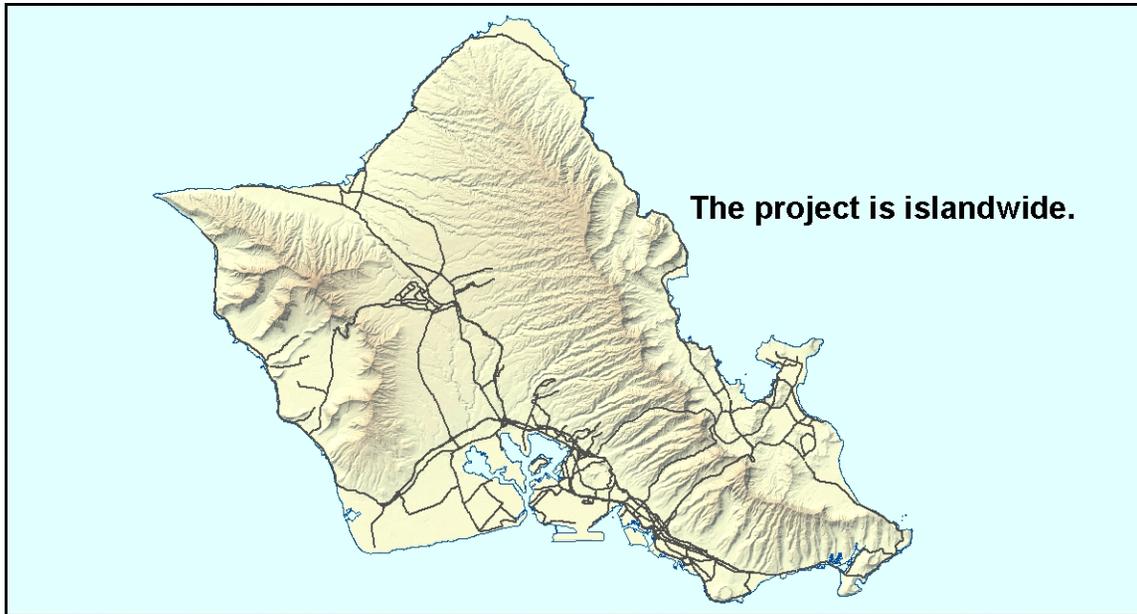
Estimated Total Project Cost: \$3,753,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

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

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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category	
	Total	Federal	Local	FFY 2019		FFY 2020														
	(x\$1000)	Total	Federal	Local	Total	Federal	Local													
CON	158	96	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex

OS50 Transportation Assistance for Elderly and Disabled



Project Description:

Funds from the program will be utilized for either the purchase of buses or operating expenses 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

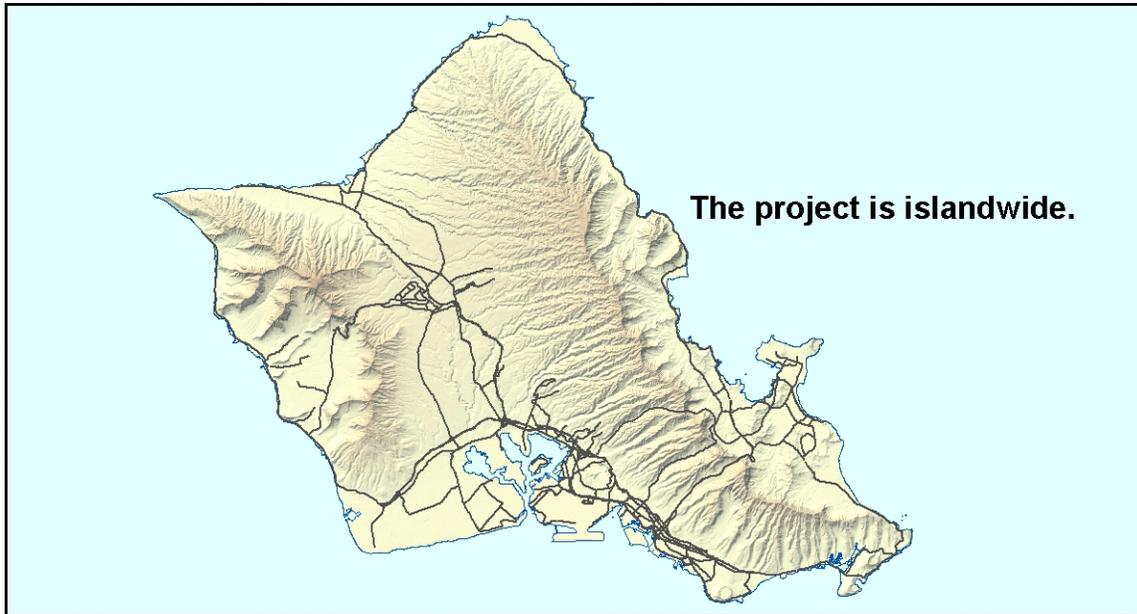
Estimated Total Project Cost: \$7,156,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FTA Funded)

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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019		FFY 2020													
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)														
EOP	482	385	97	497	397	100	512	409	103	529	422	107	546	435	111	564	449	115	\$5310-Urban
OPR	620	310	310	640	320	320	660	330	330	680	340	340	702	351	351	724	362	362	\$5310-Urban

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: \$8,577,000
(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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019		FFY 2020													
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)														
OPR	862	127	735	875	132	743	994	177	817	1,035	184	851	1,076	191	885	1,119	199	920	\$5307/\$5340
OPR	400	200	200	416	208	208	432	216	216	450	225	225	450	225	225	468	234	234	\$5310-Urban

OC13 Bus and Handi-Van Acquisition Program



Project Description:

Purchase replacement transit buses and Handi-Van vehicles.

FFY 2015: 30 <30' vehicles + 5-35' buses + 25-40' buses + 10-60' buses.

FFY 2016: 30 <30' vehicles + 5-35' buses + 25-40' buses + 10-60' buses.

FFY 2017: 10 <35' + 10-40' buses + 10-60' buses.

FFY 2018: 9< 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

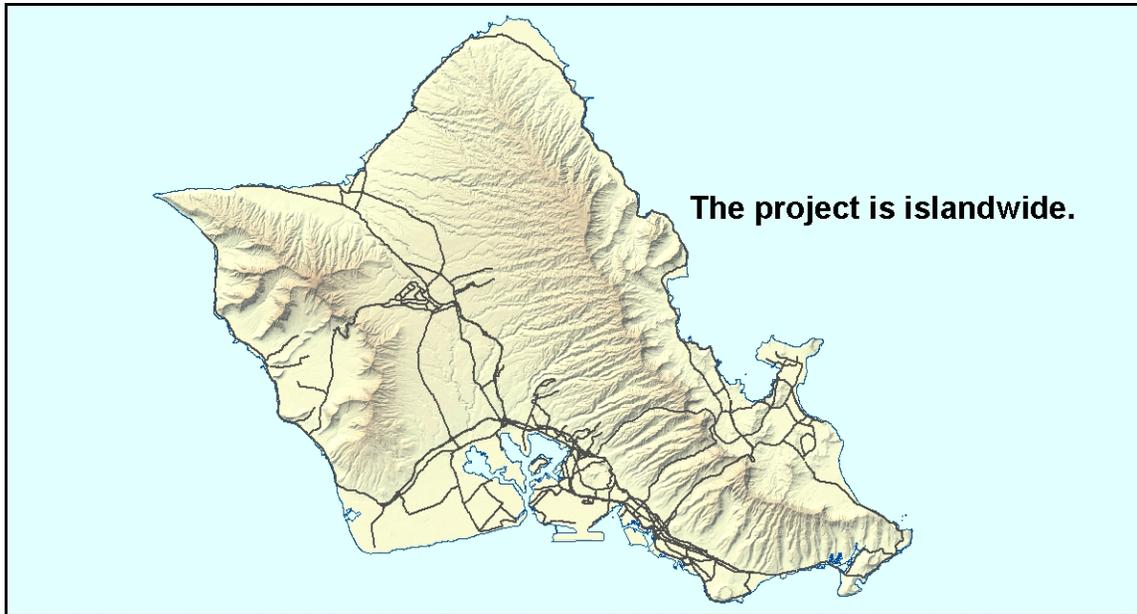
Estimated Total Project Cost: \$159,400,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

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

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

Phase	FOR INFORMATION ONLY																		Funding Category
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020			
	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)	
EQP	19,591	9,000	10,591	20,210	2,229	17,981	20,825	2,231	18,594	20,825	2,231	18,594	20,825	2,231	18,594	20,825	2,231	18,594	\$5307/\$5340
EQP	1,388	1,110	278	1,415	1,132	283	1,444	1,155	289	1,473	1,178	295	1,503	1,202	301	1,533	1,226	307	\$5337 SOGR
EQP	4,629	3,703	926	3,063	2,450	613	4,816	3,853	963	4,913	3,930	983	5,011	4,009	1,002	5,111	4,089	1,022	\$5339

OC14 Bus Stop ADA Access 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.”

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: \$3,888,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

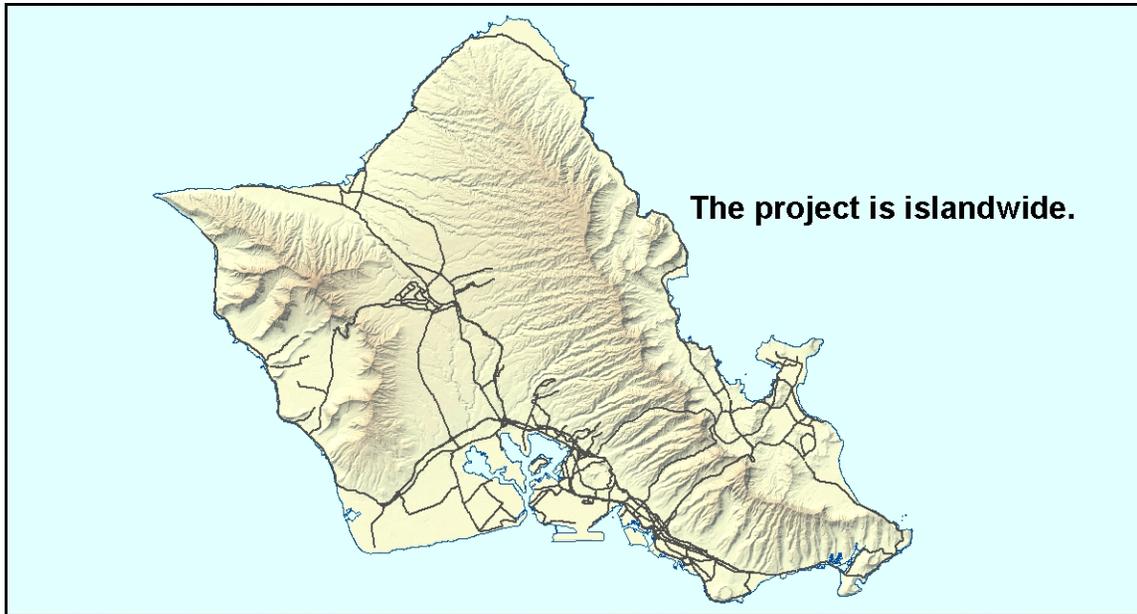
Project Sponsor: City and County of Honolulu (FTA Funded)

Agency Responsible for Carrying Out Project/Phase:

City Department of Transportation Services

Phase	FFY 2015						FFY 2016						FFY 2017						FFY 2018						FOR INFORMATION ONLY						Funding Category
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020															
	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)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)										
PLN	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	Local Only									
DES	270	0	270	270	0	270	270	0	270	270	0	270	270	0	270	270	0	270	270	0	270	Local Only									
ROW	5	0	5	5	0	5	5	0	5	5	0	5	5	0	5	5	0	5	5	0	5	Local Only									
CON	621	300	321	321	0	321	321	0	321	321	0	321	321	0	321	321	0	321	321	0	321	\$5307/\$5340									
REL	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	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: \$5,437,000
(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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
													FFY 2019			FFY 2020			
	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)	
PLN	5	0	5	5	0	5	5	0	5	5	0	5	5	0	5	5	0	5	Local Only
DES	90	0	90	90	0	90	90	0	90	90	0	90	90	0	90	90	0	90	Local Only
ROW	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
CON	2,835	2,430	405	405	0	405	405	0	405	405	0	405	405	0	405	405	0	405	\$5307/\$5340
EQP	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	Local Only

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

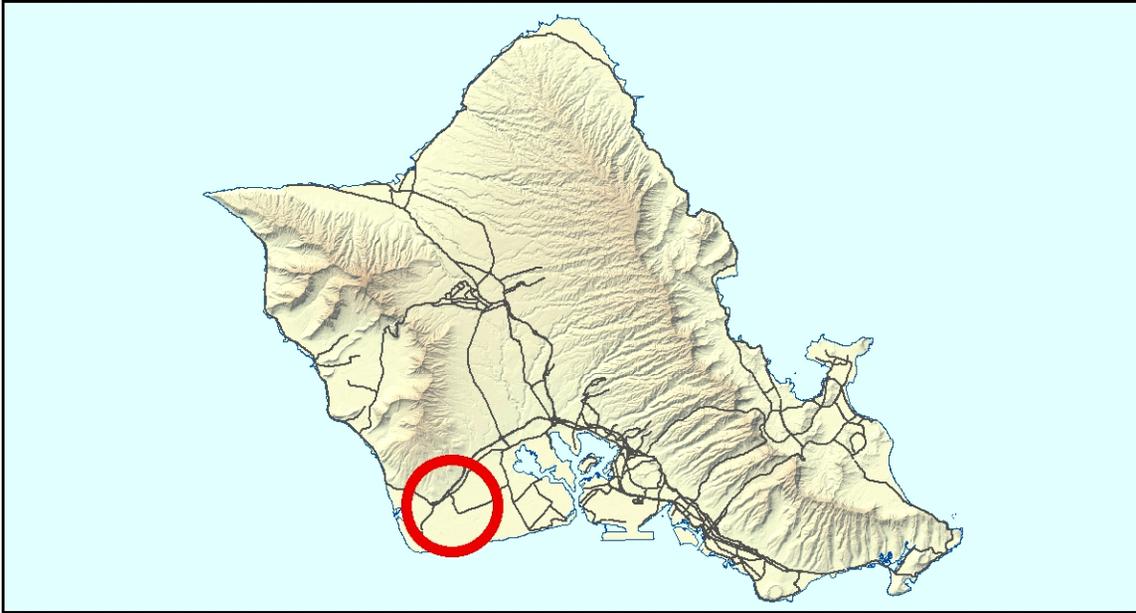
Estimated Total Project Cost: \$5,163,693,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

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

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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019			FFY 2020												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
H RTP	0	0	0	44,216	35,373	8,843	45,278	36,222	9,056	46,363	37,090	9,273	41,373	33,098	8,275	43,180	34,544	8,636	\$5307/\$5340
H RTP	1,070,200	342,464	727,736	1,063,457	340,306	723,151	755,944	241,902	514,042	388,428	124,297	264,131	0	0	0	0	0	0	\$5309 NS

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

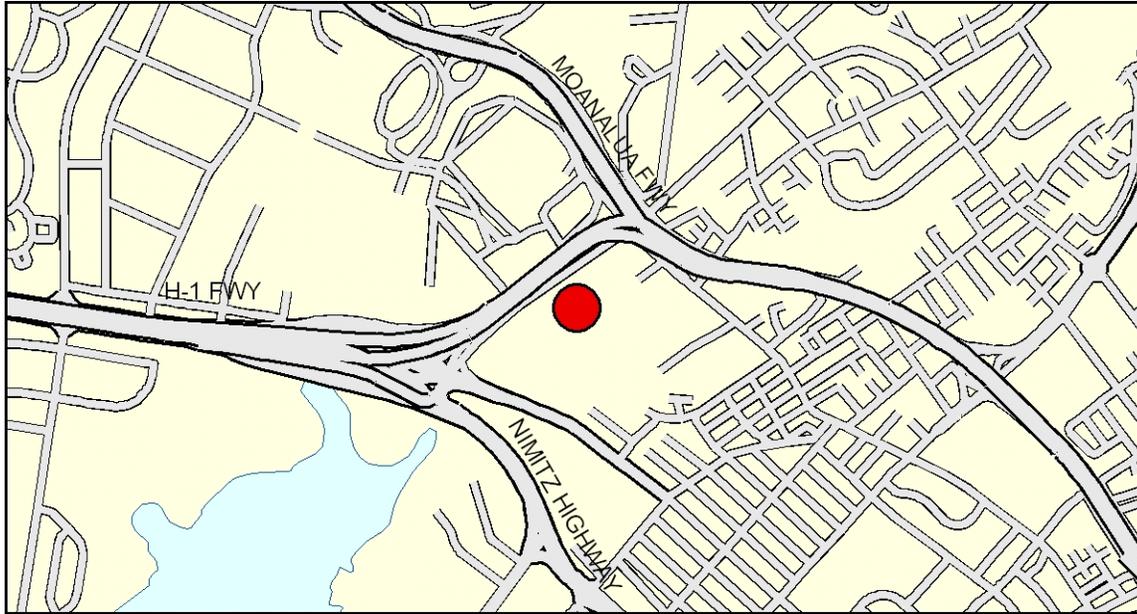
Estimated Total Project Cost: \$745,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

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

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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019		FFY 2020													
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
OPR	0	0	0	0	0	0	0	0	0	239	119	120	248	124	124	258	129	129	\$5307/\$5340

OC18 Middle Street Intermodal Center



Project Description:

This is an ongoing program to improve bus stops, bus shelters, benches, and other improvements at various locations. Transit enhancement elements, such as landscaping, signage, artwork, and bicycle and pedestrian access, are included. Phase 2 is the completion of the Handi-Van parking lot, transit center platform, bus parking, and parking garage.

Mile Post/s: No information available.

Complete Streets (CS):

Project will implement: See project description.

Existing Feature/s: Not applicable

Project Website: None

Neighborhood(s): Kalihi-Palama

Estimated Total Project Cost: \$16,445,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

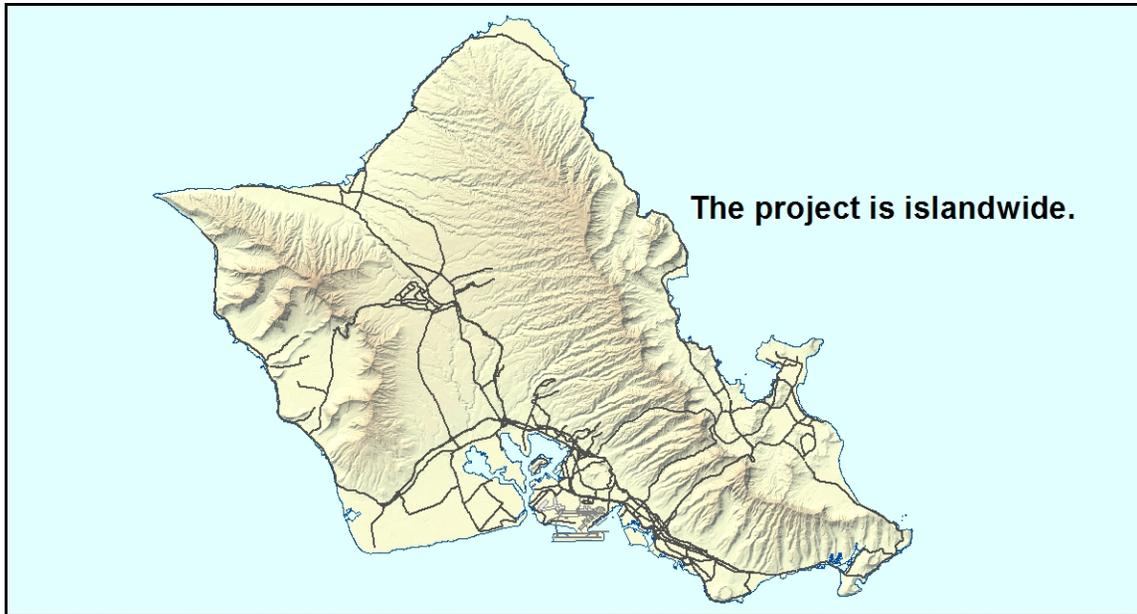
Project Sponsor: City and County of Honolulu (FTA Funded)

Agency Responsible for Carrying Out Project/Phase:

City Department of Transportation Services

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category	
	Total	Federal	Local	FFY 2019		FFY 2020														
	(x\$1000)	Total	Federal	Local	Total	Federal	Local													
PLN	0	0	0	1,810	1,327	483	1	0	1	1	0	1	0	0	0	0	0	0	0	\$5339
DES	0	0	0	2,500	0	2,500	200	0	200	200	0	200	0	0	0	0	0	0	0	Local Only
CON	0	0	0	0	0	0	5,864	0	5,864	5,867	0	5,867	0	0	0	0	0	0	0	Local Only
EQP	0	0	0	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	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: \$3,595,000
(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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
													FFY 2019			FFY 2020			
	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)	
OPR	500	400	100	520	416	104	492	394	98	362	290	72	377	302	75	391	313	78	\$5307/\$5340
OPR	140	112	28	145	116	29	152	121	31	158	126	32	175	140	35	183	146	37	\$5310-Urban

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: 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.co.honolulu.hi.us/dts/riders.htm>

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$299,811,000
(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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019			FFY 2020												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
OPR	47,527	21,000	26,527	48,478	0	48,478	49,448	0	49,448	50,437	0	50,437	51,446	0	51,446	52,475	0	52,475	\$5307/\$5340

OC21 Transit Safety and Security Projects

Sites are not yet 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 facilities.

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: \$2,080,000
(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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2019			FFY 2020												
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)													
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	413	330	83	413	330	83	413	330	83	413	330	83	0	0	0	\$5307/\$5340

FFY's 2015-2018 TIP FUNDING SUMMARY

													FOR INFORMATION ONLY					
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020		
	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)									
FHWA-FUNDED PROJECTS																		
<u>State of Hawaii - Sponsored Projects</u>																		
State of Hawaii - FHWA Total	151,332	74,098	77,234	150,700	74,679	76,021	120,061	74,542	45,519	97,670	71,656	26,014	117,629	69,427	48,202	93,444	69,912	23,532
<u>C&C of Honolulu - Sponsored Projects</u>																		
C&C of Honolulu - FHWA Total	30,669	17,000	13,669	37,411	17,000	20,411	31,669	16,580	15,089	34,935	16,560	18,375	55,035	18,430	36,605	54,435	18,430	36,005
TOTAL FHWA	182,001	91,098	90,903	188,111	91,679	96,432	151,730	91,122	60,608	132,605	88,216	44,389	172,664	87,857	84,807	147,879	88,342	59,537
FTA-FUNDED PROJECTS																		
<u>State of Hawaii - Sponsored Projects</u>																		
State of Hawaii - FTA Total	1,102	695	407	1,137	717	420	1,172	739	433	1,209	762	447	1,248	786	462	1,288	811	477
<u>C&C of Honolulu - Sponsored Projects</u>																		
C&C of Honolulu - FTA Total	1,149,483	381,176	768,307	1,188,620	384,019	804,601	887,406	286,601	600,805	522,267	170,000	352,267	123,999	41,852	82,147	126,642	43,111	83,531
TOTAL FTA	1,150,585	381,871	768,714	1,189,757	384,736	805,021	888,578	287,340	601,238	523,476	170,762	352,714	125,247	42,638	82,609	127,930	43,922	84,008

FHWA REGULAR FUNDS PROGRAMMED

FOR INFORMATION ONLY

	FFY 2015	FFY 2016	FFY 2017	FFY 2018	FFY 2019	FFY 2020
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)

FHWA-FUNDED PROJECTS

State of Hawaii-Sponsored Projects

Earmark High Priority	0	1,118	0	0	0	0
Highway Safety Improvement Program	3,228	3,600	2,448	200	0	2,400
Interstate Maintenance Discretionary	4,300	0	0	0	0	0
National Highway Performance Program	66,283	67,590	67,647	58,769	69,140	64,105
Recreational Trails Program	287	287	287	287	287	287
STP Flexible	0	0	4,160	10,000	0	0
Transportation Enhancement	0	2,084	0	2,400	0	3,120
State of Hawaii - FHWA Total	74,098	74,679	74,542	71,656	69,427	69,912

City and County of Honolulu-Sponsored Projects

Bridge Off-System	720	720	720	720	800	800
STP Flexible	16,280	16,280	15,860	15,840	17,630	17,630
City and County of Honolulu - FHWA Total	17,000	17,000	16,580	16,560	18,430	18,430

FHWA TOTAL	91,098	91,679	91,122	88,216	87,857	88,342
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Less Discretionary Funds, etc.	(4,300)	(1,118)	0	0	0	0
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FHWA REGULAR FORMULA FUNDS TOTAL	86,798	90,561	91,122	88,216	87,857	88,342
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The FHWA program is financially constrained, as demonstrated in the following tables. The amount of FHWA funds estimated to be available for projects on Oahu is determined through a cooperative agreement between OahuMPO, HDOT, DTS, and HART. Information on the revenues estimated to be available for the entire State of Hawaii is available in the HDOT's FFYs 2011-2014 STIP, as revised. Refer to Chapter 7 of the TIP for additional information on FHWA and FTA funding sources.

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	0
Highway Safety Improvement Program	2,240	560	2,800	2,800	0
National Highway Performance Program	73,283	40,255	113,538	113,538	0
Recreational Trails Program	287	72	359	359	0
STP Flexible	16,280	13,432	29,712	29,712	0
Local Only	0	36,457	36,457	36,457	0
Total	92,810	90,956	183,766	183,766	0

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	0
Earmark High Priority	1,118	280	1,398	1,398	0
Transportation Enhancement	2,084	522	2,606	2,606	0
Highway Safety Improvement Program	3,600	400	4,000	4,000	0
National Highway Performance Program	67,590	38,347	105,937	105,937	0
Recreational Trails Program	287	72	359	359	0
STP Flexible	16,280	15,526	31,806	31,806	0
Local Only	0	41,105	41,105	41,105	0
FHWA Total	91,679	96,432	188,111	188,111	0

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	720	180	900	900	0
Highway Safety Improvement Program	2,448	612	3,060	3,060	0
National Highway Performance Program	67,647	-5,105	62,542	62,542	0
Recreational Trails Program	287	72	359	359	0
STP Flexible	20,020	27,323	47,343	47,343	0
Local Only	0	37,526	37,526	37,526	0
FHWA Total	91,122	60,608	151,730	151,730	0

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	0
Transportation Enhancement	2,400	600	3,000	3,000	0
Highway Safety Improvement Program	200	50	250	250	0
National Highway Performance Program	58,769	-1,108	57,661	57,661	0
Recreational Trails Program	287	72	359	359	0
STP Flexible	25,840	7,278	33,118	33,118	0
Local Only	0	37,317	37,317	37,317	0
FHWA Total	88,216	44,389	132,605	132,605	0

The FTA program is financially constrained, as demonstrated in the following tables.

FTA Financial Constraint (City and County of Honolulu Projects) – FFY 2015

FFY 2015	Estimated Federal Funds Available for Oahu (x\$1000)	Local Funds (x\$1000)	Total Sources (x\$1000)	Total Uses (x\$1000)	Federal Funds Balance (x\$1000)
§5307 Urbanized Area Formula*	12,587	12,235	24,822	24,822	0
§5309 NS HHCTP	342,464	727,736	1,070,200	1,070,200	0
§5310-Urban	312	228	540	540	0
§5337 State of Good Repair	1,110	278	1,388	1,388	0
§5339 Bus and Bus Facilities	3,703	926	4,629	4,629	0
Local Funds Only	21,000	26,904	47,904	47,904	0
FTA Total	381,176	768,307	1,149,483	1,149,483	0

* Includes §5340 Growing States and High Density States Formula Program apportionment.

FTA Financial Constraint (City and County of Honolulu Projects) – FFY 2016

FFY 2016	Estimated Federal Funds Available for Oahu (x\$1000)	Local Funds (x\$1000)	Total Sources (x\$1000)	Total Funds Programmed (x\$1000)	Federal Funds Balance (x\$1000)
§5307 Urbanized Area Formula*	38,480	76,958	115,438	115,438	0
§5309 NS HHCTP	340,306	723,151	1,063,457	1,063,457	0
§5310-Urban	324	237	561	561	0
§5337 State of Good Repair	1,132	283	1,415	1,415	0
§5339 Bus and Bus Facilities	3,777	1,096	4,873	4,873	0
Local Funds Only	0	2,876	2,876	2,876	0
FTA Total	384,019	804,601	1,188,620	1,188,620	0

* Includes §5340 Growing States and High Density States Formula Program apportionment.

FTA Financial Constraint (City and County of Honolulu Projects) – FFY 2017

FFY 2017	Estimated Federal Funds Available for Oahu (x\$1000)	Local Funds (x\$1000)	Total Sources (x\$1000)	Total Funds Programmed (x\$1000)	Federal Funds Balance (x\$1000)
§5307 Urbanized Area Formula*	39,354	78,822	118,176	118,176	0
§5309 NS HHCTP	241,902	514,042	755,944	755,944	0
§5310-Urban	337	247	584	584	0
§5337 State of Good Repair	1,155	289	1,444	1,444	0
§5339 Bus and Bus Facilities	3,853	964	4,817	4,817	0
Local Funds Only	0	6,441	6,441	6,441	0
FTA Total	286,601	600,805	887,406	887,406	0

* Includes §5340 Growing States and High Density States Formula Program apportionment.

FTA Financial Constraint (City and County of Honolulu Projects) – FFY 2018

FFY 2018	Estimated Federal Funds Available for Oahu (x\$1000)	Local Funds (x\$1000)	Total Sources (x\$1000)	Total Funds Programmed (x\$1000)	Federal Funds Balance (x\$1000)
§5307 Urbanized Area Formula*	40,244	80,156	120,400	120,400	0
§5309 NS HHCTP	124,297	264,131	388,428	388,428	0
§5310-Urban	351	257	608	608	0
§5337 State of Good Repair	1,178	295	1,473	1,473	0
§5339 Bus and Bus Facilities	3,930	984	4,914	4,914	0
Local Funds Only	0	6,444	6,444	6,444	0
FTA Total	170,000	352,267	522,267	522,267	0

* Includes §5340 Growing States and High Density States Formula Program apportionment.

**APPENDIX A: STATUS OF PROJECTS PROGRAMMED IN FFYs 2011-2013
IN THE FFYS 2011-2014 TIP WITH FEDERAL AMOUNTS OBLIGATED IN FFY 2013**

PROJECT NUMBER	PROJECT NAME <i>(Sorted by Project Name)</i>	FEDERAL AMOUNT OBLIGATED	STATUS AS OF SEPTEMBER 30, 2013
OBLIGATED FHWA - FUNDED PROJECTS			
<u>Obligated by State of Hawaii</u>			
OS87	Bridge and Pavement Improvement Program, Oahu	\$16,280,058	The obligated amount is for: 1) Kalaniana'ole Highway (Route 72) Resurfacing, Hanauma Bay Road to West Hind Drive project. The final review of plans and contract execution is to be underway. The additional obligations in FFY 2013 are for previously obligated projects which include: a) Interstate Route H-1, Airport Viaduct Improvements, Valkenburg Street to Middle Street project, and b) Vineyard Boulevard (Route 98) Resurfacing, Palama
OS1	Castle Hills Access Road Drainage Improvements, Phase II	(\$1,037,573)	A portion of CON was deobligated. The cost of the winning bid turned out lower than expected. The contract was executed in July 2013, but the NTP is being held until Phase 1 is completed. Phase 1 is expected to be completed in the Spring of FFY 2014.
OS4	Farrington Highway (Route 93), Intersection Improvements, Haleakala Avenue (Route 8743)	\$2,361,430	Awaiting the release of CON funds. The Contract documents to be processed.
OS5	Farrington Highway (Route 93), Intersection Improvements, Nanakuli Avenue (Route 8744)	\$2,361,430	Awaiting release of CON funds. Contract documents to be processed.
OS6	Farrington Highway (Route 93), Safety Improvements, Vicinity of Leihoku Street to Kili Drive	\$0	Construction to be completed. The project to be closed out.
OS8	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78), Phase 1C	\$0	The CON is approximately 92% completed for Part 1A (Communication and Power Infrastructure). The CON is approximately 57% completed for Part 1B (Installation of CCTV and Communication Infrastructure). The Part 2 CON will be combined with Project OS9 (Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78), Phase 2A), Phase 2A, Part 1.

PROJECT NUMBER	PROJECT NAME <i>(Sorted by Project Name)</i>	FEDERAL AMOUNT OBLIGATED	STATUS AS OF SEPTEMBER 30, 2013
OBLIGATED FHWA - FUNDED PROJECTS			
<u>Obligated by State of Hawaii</u>			
OS9	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78), Phase 2A	\$0	A single DES package is to be worked on for Part 2 of this Project and Part 1 of Project OS8 (Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78), Phase 1C)
OS12	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78), System Manager	\$0	In early FFY 2014, this project to be obligated.
OS13	Freeway Service Patrol	\$2,964,421	This is an ongoing service that will currently require, on average, \$3 million per year going forward.
OS15	Interstate Route H-1 and Interstate Route H-2, and Route H-201 Destination Sign Upgrade/Replacement	\$127,055	Work is anticipated to begin on November 4, 2013.
OS16	Interstate Route H-1, Bridge Rehabilitation, Kapalama Canal, Halona Street Bridge	\$0	The DES contract is not executed yet.
OS88	Interstate Route H-1, Corridor Study	\$0	Project is on schedule. It is approximately 6% completed as of June 2013. Currently, working on Phase 2, (Data forecasting and analysis) of four phases.
OS83	Interstate Route H-1, Installation of Access Control, Makakilo Interchange to Vicinity of H-1/H-2 Interchange	\$0	Working with contractor on individual National Pollutant Discharge Elimination System (NPDES) permit before setting the Notice to Proceed (NTP) date.
OS90	Interstate Route H-1, Rehabilitation, Middle Street to Vicinity of Ward Avenue	\$41,535,744	CON to begin in September 2013.
OS28	Interstate Route H-3, Safety Improvements, Vicinity of Kamehameha Highway Off-Ramp to Kaneohe Marine Corps Base Hawaii	\$2,962,230	Submitted contract for execution on September 9, 2013. Waiting for allotment approval that was sent in August
OS39	Kamehameha Highway, Bridge Replacement, Laieloa Stream Bridge	\$138,313	DES is approximately 15% complete as of August 2013.
OS48	Kamehameha Highway, Bridge Replacement, South Kahana Stream Bridge	\$0	The DES is approximately 10% completed as of January 2013. Working on Environmental Assessment (EA).

PROJECT NUMBER	PROJECT NAME <i>(Sorted by Project Name)</i>	FEDERAL AMOUNT OBLIGATED	STATUS AS OF SEPTEMBER 30, 2013
OBLIGATED FHWA - FUNDED PROJECTS			
<u>Obligated by State of Hawaii</u>			
OS51	Kamehameha Highway, Bridge Replacement, Waikane Stream Bridge	\$0	The change order for the Phase 2, DES to be worked on.
OS41	Kamehameha Highway, Bridge Replacement, Waipilopilo Stream Bridge	\$0	Environmental Assessment (EA) to be completed.
OS56	Kamehameha Highway, Rockfall Protection, Waimea Bay	\$0	FHWA requested a revision to the contract. After receiving the revised proposal, it will be resubmitted to
OS60	Kamehameha Highway, Safety Improvements, Vicinity of Pohuehue Road to Waikane Valley Road	\$0	Project scope to be changed to avoid ROW acquisition.
OS63	Kamehameha Highway, Shoreline Protection, Vicinity of Hauula	\$0	Army Corporation of Engineers to be doing DES and Environmental Assessment (EA). Public informational meeting to be held in late FFY 2013.
OS64	Kamehameha Highway, Shoreline Protection, Vicinity of Kaaawa	\$0	Army Corporation of Engineers to be doing DES and Environmental Assessment (EA). Public informational meeting to be held in late FFY 2013.
OS70	Leeward Bikeway, Phase II, Hawaiian Railway Society Train Station to Lualualei Naval Road	\$0	The consultant DES to be ongoing. This Phase II environmental assessment (EA) is to be tied to the Phase I EA.
OS79	Recreational Trails Program	\$0	This project to be managed by Department of Land and Natural Resources (DLNR).
OS81	Vineyard Boulevard (Route 98), Improvements, Vicinity of Queen's Medical Center	\$0	The Queen's Medical Center (QMC) received an earmark for Phase 1, Kinau Off-Ramp Improvements. They did not receive additional earmark funding. They are determining if remaining earmark funds from Phase 1 are eligible for the Vineyard Improvement project. No regular formula funds will be used to construct this project. In the future, QMC will be providing the funds for the remainder of the project. The DES is to be approximately 90% completed.
Total Obligated: State of Hawaii - FHWA		\$67,693,108	

PROJECT NUMBER	PROJECT NAME <i>(Sorted by Project Name)</i>	FEDERAL AMOUNT OBLIGATED	STATUS AS OF SEPTEMBER 30, 2013
OBLIGATED FHWA - FUNDED PROJECTS			
<u>Obligated by City and County of Honolulu</u>			
OC1	Alapai Transit Center Multi-Use Path	\$0	Project is completed.
OC2	Alapai Transportation Management Center	\$3,942,000	Approximately 90% of plans to be completed. Plans to be submitted for permit review.
OC3	Bicycle Projects	\$627,000	Kalaheo Avenue was completed on November 21, 2012. Kealaolu Avenue Shoulder Improvements are expected to be completed by November 29, 2013. Civic Center is expected to be completed by March 29, 2014.
OC4	Bridge Inspection and Appraisal	\$720,000	This is an ongoing, annually funded project.
OC5	Computerized Traffic Control System	\$0	Project is ongoing.
OC6	Kapolei Parkway (Route 8920), Kunehi Street to Kamokila Boulevard	\$0	The Notice to Proceed (NTP) for the Kapolei Parkway UC5 was on November 13, 2012. The NTP for the Kapolei Parkway UC4A to be on November 4, 2013.
OC25	Kuakini Street Extension	\$2,106,594	The tentative start date for this project is to be on 12/01/2013.
OC10	Traffic Improvements at Various Locations	\$1,025,000	A tentative Notice to Proceed (NTP) for the Harding Avenue at 5th and 11th Avenues (ARRA) Waiakamilo/Dillingham project to be on November 4, 2013. The Palolo Traffic Improvements (Local Design) project to be obligated in FFY 2014.
OC30	Traffic Signal Maintenance Facility	\$0	Planning emergency relocation due to lead contamination in the existing warehouse. Anticipate using local funds.
OC26	Traffic Signal Optimization	\$0	No projects programmed in FFY 2013.
OC11	Traffic Signals at Various Locations	\$280,000	The Plans, Specifications, and Estimates (PSE) for CON (Phase 13) to be submitted for DOT review. DES (Phase 16): The DES consultant selection process to be started for DES (Phase 16).

OC12 Upgrade Pedestrian Signals at Various Locations

\$0 CON is to be approximately 99% completed.

Total Obligated: City and County of Honolulu – FHWA \$8,700,594

Total Obligated FHWA-FUNDED PROJECTS \$76,393,702

PROJECT NUMBER	PROJECT NAME <i>(Sorted by Project Name)</i>	FEDERAL AMOUNT OBLIGATED	STATUS AS OF SEPTEMBER 30, 2013
OBLIGATED FTA - FUNDED PROJECTS			
<u>Obligated by State of Hawaii</u>			
OS85	JARC (Small Urban)	\$0	There are FFY 2012 funds still remaining which will be transferred to the City and County of Honolulu for their obligation.
OS86	New Freedom (Small Urban)	\$0	There are FFY 2012 funds still remaining which will be transferred to the City and County of Honolulu for their obligation.
OS95	Transportation Assistance for Elderly and Disabled	\$432,055	Under the Moving Ahead for Progress in the 21st Century (MAP-21) program, the designated recipient of funds to be determined.
Total Obligated: State of Hawaii - FTA		\$432,055	
<u>Obligated by City and County of Honolulu</u>			
OC13	Agency-Provided Trips	\$0	Current services are ongoing.
OC14	Bus and Handi-Van Acquisition Program	\$4,660,944	Current services are ongoing.
OC27	Bus Stop ADA Access Improvements	\$0	Project to be under construction.
OC28	Bus Stop Pad Improvements	\$0	Project to be transferred to DDC and will no longer be using federal funds.
OC29	Bus Stop Site Improvements	\$0	Project to be under construction.

PROJECT		FEDERAL	
NUMBER	PROJECT NAME <i>(Sorted by Project Name)</i>	AMOUNT	
		OBLIGATED	STATUS AS OF SEPTEMBER 30, 2013
OBLIGATED FTA - FUNDED PROJECTS			
OC15	Honolulu High-Capacity Transit Corridor Project	\$491,277,358	12/19/2012: Full Funding Grant Agreement (FFGA) for \$1,550million §5903 New Starts maximum financial contribution. First funding increment under the FFGA (\$255 million §5309 New Starts) was awarded on 12/20/2012. Second funding increment under the FFGA (\$236 million §5309 New Starts) was awarded on 9/24/2013. Temporary suspension of ground-disturbing activities, including construction, continued through 9/15/2013 as a result of Kaleikini v. Yoshioka, et al. Construction resumed on 9/16/2013. 9/30/2013: Federal Transit Administration approved a Final Supplemental Environmental Impact Statement/Section 4(f) Evaluation and Amended Record of Decision (ROD). Work in the City Center section of the Project continues to be temporarily suspended as a result of Honolulu Traffic.com, et al v. Federal Transit Administration, et al.
OC16	Local Shuttle Service	\$0	Current services are ongoing.
OC17	Middle Street Intermodal Center	\$0	Project has not started yet.
OC18	Mobility Management	\$0	Current services are ongoing.
OC19	Preventive Maintenance	\$21,000,000	This project is ongoing.
OC24	Special Needs Transportation	\$0	Project was canceled.

PROJECT NUMBER	PROJECT NAME <i>(Sorted by Project Name)</i>	FEDERAL AMOUNT OBLIGATED	STATUS AS OF SEPTEMBER 30, 2013
OBLIGATED FTA - FUNDED PROJECTS			
OC21	Transit Safety and Security Projects	\$0	Preparing for installation of cameras.
Total Obligated: City and County of Honolulu – FTA		\$516,938,302	
Total Obligated FTA-FUNDED PROJECTS		\$517,370,357	

APPENDIX B: INCORPORATION OF MAP-21 PLANNING FACTORS

Planning Factor	FFYs 2015-2018 TIP
<p>1. Supports the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency.</p>	<ul style="list-style-type: none"> ● The freeway and highway systems provide a land surface network for the shipment of cargo by trucks across the island. ● Roadway improvements enhance the movement of workers, which is a key factor in maintaining productivity and efficiency in business. They provide better access to jobs and opportunities, which enhances the economic vitality of an area. ● Roadway improvements, as well as bus purchases and bus infrastructure improvements, enhance welfare-to-work trips, which provides a mechanism for improving job opportunities as well as the employment pool available to area businesses. ● The improvement of travel times and congestion relief support the economic vitality of the metropolitan area, allowing for competitiveness, productivity, and efficiency. ● An efficient freight system is essential to economic vitality. The Freight Movers is able to give early input on their priorities for TIP projects through an online survey. ● The Freeway Management System project and Freeway Service Patrol will help with the movement of workers to jobs and opportunities.
<p>2. Increases the safety of the transportation system for all motorized and non-motorized users.</p>	<ul style="list-style-type: none"> ● Many projects in the TIP address maintenance and safety improvements, such as traffic signal installations, pedestrian signal installation, intersection improvements, bridge replacements, seismic retrofit, guardrail, lighting, rehabilitation, and resurfacing projects. These improvement projects often include sidewalk and bike lane improvements or installations. ● Other TIP projects provide second or alternate access to communities, which can increase the safety of residents and businesses during an emergency. ● The Freeway Service Patrol will reduce secondary incidents caused by disabled vehicles on the freeway. ● Bikeway projects increase the safety of bicyclists. ● Projects such as the Alapai Transportation Management Center and the Freeway Management System are essential in the strategic planning of the safety of the transportation system. ● The rockfall protection projects directly affect the safety of the transportation system.

<p>3. Increases the security of the transportation system for motorized and non-motorized users.</p>	<ul style="list-style-type: none"> ● Highway and transit improvement projects increase the accessibility and mobility of motorized, as well as non-motorized users during emergencies. ● Reductions in delay due to highway and transit improvement projects, as well as ITS measures, support emergency response capability. ● The Alapai Transportation Management Center is envisioned to be part of the emergency operations center that will direct evacuations and emergency response to homeland security threats and attacks, as well as natural disasters (e.g., hurricanes, earthquakes, and tsunami).
<p>4. Increases accessibility and mobility of people and freight.</p>	<ul style="list-style-type: none"> ● A number of projects programmed in the TIP include bikeway and sidewalk improvements and the implementation of the Oahu Bicycle Master Plan which promote non-motorized travel. ● The City's bus acquisition and paratransit bus acquisition programs, as well as transit center projects, will maintain the level and quality of public transit on Oahu. ● The Agency-Provided Trips project will improve service quality for people who currently ride TheHandi-Van. ● The highway and freeway maintenance and improvement projects will expedite movement of freight. Because of the great variations in the number of vehicles and the sizes of vehicles used by freight movers, all roadways are utilized by the freight industry to ensure the timely pickup and delivery of goods.
<p>5. Protects and enhances the environment, promotes energy conservation, improves the quality of life, and promotes consistency between transportation improvements and State and local planned growth and economic development patterns.</p>	<ul style="list-style-type: none"> ● As part of the public outreach process, numerous city and state government agencies responsible for land use management, natural resources, environmental protection, conservation, and historic preservation were consulted with to determine that the proposed projects were consistent with their plans. The consultation resulted in a comparison with conservation plans and inventories of natural and historic resources with the proposed TIP projects. ● Transit projects provide an alternative to driving, which promotes energy conservation. Transit projects also provide mobility options for people who do not have access to cars, which would improve their quality of life. ● Many transportation projects are located in Ewa, the Primary Urban Corridor, and Central Oahu, where most of the growth is targeted. ● The Bus and Handi-Van Acquisition Program purchases hybrid buses to conserve energy and help protect the environment.
<p>6. Enhances the integration and connectivity of the transportation system, across and between modes, for people and freight.</p>	<ul style="list-style-type: none"> ● The diverse range of projects in the TIP promotes the integration and connectivity of the transportation system. ● Transit center projects will increase the efficiency of transfers between transit, as well as transfers between automobiles and transit. ● Roadway improvements are of benefit to the freight movers. There are great variations in the number of vehicles and sizes of vehicles used by the freight movers. Because of this, all roadways are utilized by the freight industry. As a result, the roadway improvement would be of benefit to the freight movers. ● It is envisioned that the Alapai Traffic Management Center will improve the flow of traffic between City and State roadways through enhanced and coordinated communication. ● The Computerized Traffic Control System will 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. This will help enhance the current transportation system.

<p>7. Promotes efficient system management and operation.</p>	<ul style="list-style-type: none"> ● The TIP includes both highway and transit projects, which are designed to complement each other. ● ITS technology is used in many projects to enhance the efficiency of the transportation system. For example, the Computerized Traffic Control System enables the City to monitor traffic on various facilities around the island. Also, the traffic signal optimization project will promote efficient operation. ● The Agency-Provided Trips project establishes selected human service agencies as transportation providers. This reduces overall operating costs while improving service quality for riders. This helps promote efficient system management and operation. ● The Freeway Management System project promotes efficient system management and operation by monitoring current traffic patterns and installing communication equipment.
<p>8. Emphasizes the preservation of the existing transportation system.</p>	<ul style="list-style-type: none"> ● Maintenance projects of the HDOT and DTS are programmed in the TIP. There is emphasis during the program period on maintenance projects such as road resurfacing and rehabilitation projects, guardrail and shoulder improvements, freeway lighting improvements, and the seismic retrofit of bridges. ● The City's bus acquisition and paratransit bus acquisition programs will help to maintain the level and quality of public transit on Oahu. ● The Preventive Maintenance project consists of the preventive maintenance of FTA-funded rolling stock (buses and Handi-Vans), including parts, labor, and other related expenses. Maintaining our transit vehicles helps preserve the transportation system.

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