

FFYs 2011, 2012, 2013, AND 2014
TRANSPORTATION IMPROVEMENT PROGRAM

Approved by the OahuMPO Policy Committee
July 2, 2010



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FFYS 2011, 2012, 2013, AND 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 Department of Planning & Permitting

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1.0 ABBREVIATIONS

1.1 OVERALL ABBREVIATIONS

| | |
|------------|---------------------------------------------------------------------------------------|
| 3-C | Continuing, Cooperative, Comprehensive |
| ADA | Americans with Disabilities Act |
| CAC | OahuMPO Citizen Advisory Committee |
| DTS | City and County of Honolulu Department of Transportation Services |
| FHWA | Federal Highway Administration |
| FTA | Federal Transit Administration |
| FFY | Federal Fiscal Year (October - September) |
| HDOT | Hawaii Department of Transportation |
| HR | House Report |
| JARC | Job Access and Reverse Commute |
| NTD | National Transit Database |
| OahuMPO | Oahu Metropolitan Planning Organization |
| ORTP | Oahu Regional Transportation Plan |
| RY | Report Year |
| SAFETEA-LU | Safe, Accountable, Flexible, Efficient Transportation Equity Act – A Legacy for Users |
| STIC | Small Transit Intensive Cities |
| STIP | Statewide Transportation Improvement Program |
| TIP | Transportation Improvement Program |

1.1 OVERALL ABBREVIATIONS (Continued)

| | |
|-----|--------------------|
| USC | United States Code |
| UZA | Urbanized Areas |

1.2 ABBREVIATIONS USED IN PROJECT LISTING

1.2.1 FHWA Funding Categories

| | |
|-----------------|-----------------------------------------------------------|
| Bridge Off | Bridge Off-System |
| Bridge On | Bridge On-System |
| CMAQ | Congestion Mitigation and Air Quality Improvement Program |
| FHWA X-fer | FHWA transfer from FTA |
| NHS | National Highway System |
| HSIP | Highway Safety Improvement Program |
| Rec Trails Prog | Recreational Trails Program |
| STP | Surface Transportation Program |
| STP Flex | Surface Transportation Program Flexible funds |

1.2.2 FTA Funding Categories

| | |
|-----------|-------------------------------------------|
| § | Section |
| §5307 | Urbanized Area Formula Program |
| §5309 BC | Bus and Bus-Related Facilities |
| §5309 FGM | Fixed Guideway Modernization |
| §5309 NS | New Starts |
| §5316 | Job Access Reverse Commute Program (JARC) |

1.2.2 FTA Funding Categories (Continued)

| | |
|-------|--------------------------------------------------------|
| §5317 | New Freedom Program |
| §5340 | Growing States and High Density States Formula Program |

1.2.3 Locally Funded Categories

| | |
|------------|----------------|
| Local Only | Locally Funded |
|------------|----------------|

1.2.4 Project Phases

| | |
|-----------|------------------------------------|
| ADVCON | Advance Construction Reimbursement |
| CON | Construction |
| DES | Design |
| EQP | Equipment |
| INSP | Inspection |
| OPR | Operations |
| PLN | Planning |
| PREROW | Pre-Right-of-Way |
| PROF SVCS | Professional Services |
| REL | Relocation |
| ROW | Right-of-Way |

2.0 INTRODUCTION

The *FFYs 2011, 2012, 2013, and 2014 Oahu Transportation Improvement Program (TIP)* was prepared in accordance with the requirements of the Safe, Accountable, Flexible, Efficient Transportation Equity Act – a Legacy for Users (SAFETEA-LU). It describes and prioritizes the surface transportation programs and projects that the Oahu Metropolitan Planning Organization (OahuMPO) Policy Committee has selected for implementation during the program period. 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 2011-2014 TIP covers a period of four years (FFYs 2011-2014) and contains two additional years (FFYs 2015 and 2016) for information only. The TIP will be updated at least 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;¹
- 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

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

- 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 \$4.3 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 2011 projects represent those with the highest implementation priority. The largest State of Hawaii-sponsored project in FFY 2011 is OS17 (Interstate Route H-1, Eastbound Improvements, Vicinity of Ola Lane to Vineyard Boulevard Off-Ramp. In FFY 2011, \$20 million in federal funds and \$83.5 million in local funds are programmed for the project. OC15 (Honolulu High-Capacity Transit Corridor Project) is the largest City and County of Honolulu-sponsored project in FFY 2011 of the TIP. Eighty million dollars in federal funds and \$405 million in local funds are programmed for the project in FFY 2011.

3.0 PREVIOUS TIP (FFYS 2008-2011)

The FFYs 2008-2011 TIP was endorsed by the Policy Committee in July 2007.

3.1 REVISIONS TO THE PREVIOUS TIP

As of June 17, 2010, the FFYs 2008-2011 TIP was revised twenty-three times as documented in Table 1 below.

TABLE 1

| FFYs 2008-2011 TIP REVISIONS | |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Revision Number | Description |
| <i>Pre-approved Administrative Modifications</i> | |
| 1 | January 2008: Revised cost estimates. |
| 7 | January 2009: Deferred projects and revised funding categories. |
| 11 | May 2009: Revised cost estimates, deferred projects, revised funding categories, and changed funding from federal to local. |
| 12 | June 2009: Deferred projects and revised cost estimates. |
| 14 | August 2009: Revised funding categories and revised cost estimates. |
| 15 | September 2009: Revised funding categories, deferred projects, and revised cost estimates. |
| 16 | January 2010: Advanced and deferred projects, revised funding categories, and revised cost estimates. |
| 20 | April 2010: Identified projects for potential second recovery bill, advanced projects, and revised cost estimates. |
| 21 | June 2010: Removed references to potential ARRA-2 funding. TIP Revision #20 was rescinded. |
| 22 | July 2010: Deferred projects, revised cost estimates, and revised funding categories. |

| Revision Number | Description |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Expedited Administrative Modifications</i> | |
| 2 | January 2008: Deferred projects, revised funding categories, and revised cost estimates. |
| 4 | July 2008: Deferred projects, revised cost estimates, and revised funding categories. |
| 8 | January 2009: Advanced projects, deferred projects, and changed local funds to federal funds. |
| 17 | January 2010: Deferred projects and revised cost estimates. |
| <i>Amendments</i> | |
| 3 | January 2008: Deleted projects, deferred projects, and revised cost estimates. |
| 5 | July 2008: Deleted projects, added projects, revised cost estimates, and revised the scope of one of the projects. |
| 6 | July 2008: Revised the thresholds used to determine whether a revision is an administrative modification or an amendment. |
| 9 | January 2009: Added and deleted projects. |
| 10 | February 2009: Identified projects to be funded with ARRA-09 funds. Added projects, revised funding categories, and revised cost estimates. |
| 13 | July 2009: Added projects, deleted projects, and revised cost estimates. |
| 18 | January 2010: Added projects, deleted projects, deferred projects, revised the scope of one of the projects, and changed project limits for one project. |
| 19 | February 2010: Added a project, advanced a project, and reprogrammed funds for projects. |
| 23 | July 2010: Added a project and deleted a project. |

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 FFY 2009 of the FFYs 2008-2011 TIP as of September 30, 2009 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) and the City and County of Honolulu Department of Transportation Services (DTS). 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 2011-2014 TIP, the OahuMPO Citizen Advisory Committee and the Freight Task Force developed recommended lists of transportation projects for inclusion into the FFYs 2011-2014 TIP. 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, and DTS cooperatively formulate estimates of FHWA 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 and DTS 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, project location maps are developed for each project in the draft TIP, as applicable. 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.).

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 public 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 SAFETEA-LU 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.

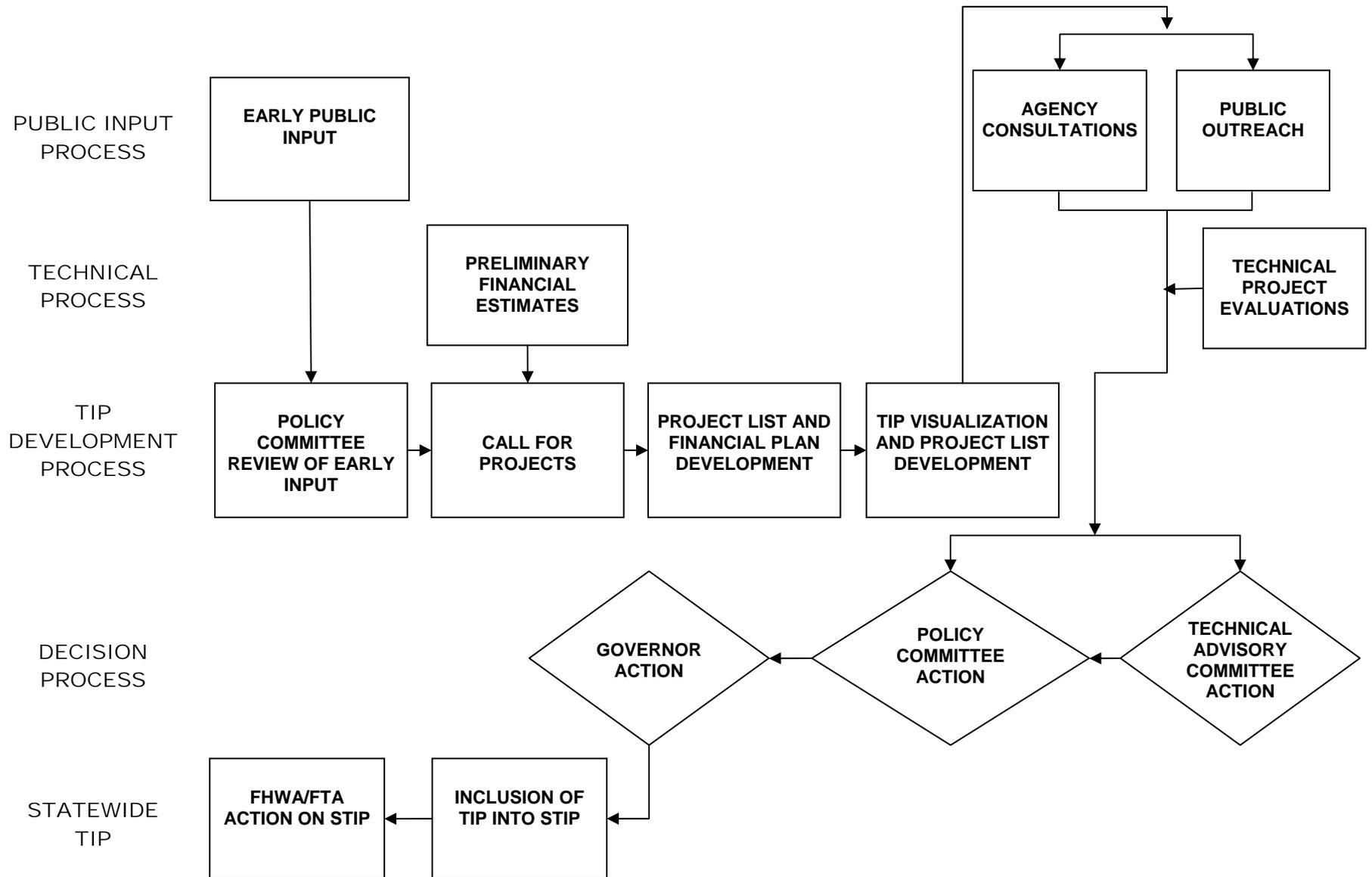
4.7 INCORPORATION OF THE TIP INTO THE STIP

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.”²

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

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*.

5.3 REVISION EXAMPLES

Table 2 below provides examples of administrative modifications and amendments.

² As defined in 23 CFR 450.104.

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; and
- Whether the project has been obligated.

6.2 ANNUAL LISTING OF OBLIGATED PROJECTS

Every year, OahuMPO, HDOT, and DTS 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 2011-2014 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 December 2007, HDOT set a flat inflation rate of 4% for all STIP projects. Therefore, agencies were requested to apply a 4% inflation factor to all project estimates.

7.1 FUNDING SOURCES

7.1.1 FHWA Program

The FHWA funds are appropriated annually by Congress. SAFETEA-LU is the authorization bill that governs federal surface transportation spending. It was signed into law by President George W. Bush on August 10, 2005 and expired as of September 30, 2009. SAFETEA-LU was extended through 2010 by the Continuing Appropriations Resolution, 2010 (Public Law 111-68), as amended.

About \$140-\$150 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 2011-2014 STIP. The TIP focuses on transportation programs and projects for the *island of Oahu* only.

In developing the FFYs 2011-2014 TIP, OahuMPO, HDOT, and DTS cooperatively formulated estimates of FHWA funds that were reasonably expected to be available for projects on the island of Oahu. These estimates were based on historic data. It was estimated

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

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

FHWA funding sources include:

- Congestion Mitigation Air Quality Improvement Program;
- Discretionary funds;
- High Priority Projects Program;
- Highway Bridge Program;
- Highway Safety Improvement Program;
- Interstate Maintenance Program;
- National Highway System funds;
- Recreational Trails Program
- STP Flexible funds; and
- Transportation Enhancement 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.

Discretionary Funds

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

High Priority Projects Program

The High Priority Projects Program provides designated funding for specific projects identified in SAFETEA-LU.

Highway Bridge Program

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

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. Funds may be used for projects on any public road or publicly owned bicycle and pedestrian pathway or trail

Interstate Maintenance Program

The Interstate Maintenance Program provides funding for resurfacing, restoring, rehabilitating, and reconstructing routes on the Interstate System. The Dwight D. Eisenhower National System of Interstate and Defense Highways retains a separate identity within the National Highway System.

National Highway System

The National Highway System (NHS) provides funding for improvements to rural and urban roads that are part of the NHS, including the Interstate System and designated connections to major intermodal terminals. The NHS includes the Interstate Highway System, as well as other roads important to the nation's economy, defense, and mobility.

Recreational Trails Program

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

Surface Transportation Program (STP) Flexible (STP Flex)

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

Transportation Enhancement Program

The Transportation Enhancement Program funds activities or projects that add community or environmental value to any active or completed transportation project, and are over and above what is

required for normal environmental mitigation for transportation improvements. The maintenance of these projects is not eligible for those funds. Ten percent of federal funds distributed to the STP are dedicated to transportation enhancement activities.

7.1.2 FTA Program

For financial constraint purposes, FTA formula apportionments, as estimated for FFYs 2011 and 2012 (http://www.fta.dot.gov/index_4696.html#Transit_Funding_Information), were used. For FFYs 2010 to 2011, the nationwide funding level is assumed to grow at an annual rate of 2.1%, consistent with the Congressional Budget Office forecast of the Highway Trust Fund revenues through 2016. The share of Honolulu and Kailua apportionments are assumed at the SAFETEA-LU level of 0.693%.

FTA funds include:

- §5307 Urbanized Area Formula funds;
- §5309 Bus Capital funds;
- §5309 Fixed Guideway Modernization funds;
- §5309 New Starts (Ferry Allocation) funds;
- §5309 New Starts (pre-2005) funds;
- §5316 Job Access and Reverse Commute Program; and
- §5317 New Freedom Program

The following sections describe the various 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)

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

The City and County of Honolulu (City) is the designated recipient of funds apportioned to the Kailua-Kaneohe and Honolulu UZAs. The funds are apportioned based on legislative formulas, with different formulas applying to UZAs with populations less than 200,000 and UZAs with populations of 200,000 or more. The Kailua-Kaneohe UZA apportionment formula is based on population and population density statistics from the most recent decennial census. The Honolulu UZA apportionment formula is based on a combination of population and population density statistics, and validated mileage and transit service data in FTA's National Transit Database (NTD). FTA will use data from NTD report year (RY) 2009 to apportion FFY 2011 funds, RY 2010 for FFY 2012 funds, and so on.

One percent of funds appropriated for Section 5307 is set aside for Small Transit Intensive Cities (STIC). FTA apportions these funds to UZAs under 200,000 in population that operate at a level of service equal to or above the industry average level of service for all UZAs with a population of at least 200,000, but not more than 999,999, in one or more of six performance categories. FTA also apportions funds to urbanized areas under Section 5340 Growing States and High-Density States formula factors based on State population forecasts for 15 years beyond the most recent Census. Based on language in the SAFETEA-LU conference report, FTA consolidates the Section 5307, STIC, and Section 5340 amounts and identifies a single apportionment amount for each UZA. Section

5307 funds are available during the year of apportionment plus an additional three years, for a total of four years.

Section 5307 funds are programmed for transit vehicles and facilities, preventive maintenance, and a transfer to FHWA for use in the State of Hawaii's vanpool program. FTA allows all maintenance costs as reported to the NTD to be eligible for capital assistance under "preventive maintenance." The amounts programmed for transfer to FHWA represent the estimated incremental increase of Section 5307 funds apportioned to the City attributable to vanpool operating data from the NTD.

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

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

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

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

The financial plan identifies three types of New Starts funds:

- Pre-FFY 2005 allocation that was extended until expended by the Conference Report on House Report 418, Consolidated Appropriations Act, 2005 (H.R. 108-792). These funds can be used for replacement, rehabilitation, and purchase of buses and related equipment and construction of bus-related facilities. The programmed use of these funds is to purchase transit vehicles.
- Post-FFY 2005 allocation for new fixed guideway systems or extensions to existing fixed guideway systems. These funds are programmed for the Honolulu High-Capacity Transit Corridor Project.
- Ferry allocation for Hawaii. These funds were programmed for the Intra-Island Ferry Project that ended service in December of 2009.

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

FTA Capital Investment Program, 49 U.S.C. §5309 – Bus & Bus-Related Facilities

Funds for Bus and Bus-Related Facilities (Bus Capital) funds are discretionary and are allocated for specific uses. Honolulu received \$1.3 million dollars in 2009. Transit vehicles and facilities are programmed with these funds.

FTA Job Access and Reverse Commute Program, 49 U.S.C. §5316 (JARC) and FTA New Freedom Program, 49 U.S.C. §5317

The JARC program provides formula funding to states and designated recipients to support the development and maintenance of job access projects designed to transport welfare recipients and eligible low-income individuals to and from jobs and activities related to their employment, and for reverse commute projects

designed to transport residents of UZAs and other than urbanized to suburban employment opportunities.

The New Freedom program provides new public transportation services and public transportation alternatives beyond those currently required by the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) that assist individuals with disabilities with transportation, including transportation to and from jobs and employment support services.

Governor Linda Lingle designated the City & County of Honolulu as the recipient for JARC and New Freedom funds apportioned to the Honolulu UZA, and the HDOT as the designated recipient for funds apportioned to the Kailua-Kaneohe UZA and non-urbanized areas.

HDOT transferred its apportionment of FFY 2007 and FFY 2008 JARC and New Freedom funds for small urbanized areas to the City and County of Honolulu for use in the City's human services transportation coordination program. It is anticipated that these transfers will continue in the future.

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

7.1.3 "Flexible" Funds

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

- The funds are not needed for investments required by the Americans with Disabilities Act of 1990, as amended;

- A notice and opportunity for comment and appeal have been provided to affected transit providers during the public outreach period for the FFYs 2011-2014 TIP; and
- Local funds proposed for the non-federal match are eligible to provide assistance for either highway or transit projects.

The amounts programmed for transfer to FHWA represent the estimated incremental increase of Section 5307 funds apportioned to the City attributable to vanpool operating data from FTA's National Transit Database.

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.

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 2011-2014 TIP for City projects, City funds from existing revenue sources are programmed. The City exercises independent authority under the Hawaii State Constitution to assess, levy, and collect real property taxes. The Hawaii Revised Statutes authorizes the City to fix the fees and charges for all public services not otherwise provided for by the State and to issue general obligation bonds to finance its public improvement projects.

Under its Revised Charter, the City enacts balanced operating and capital budgets annually. The City operates on a 12-month fiscal year that begins on July 1st and ends on June 30th of the succeeding year. Appropriations authorized in the executive capital budget ordinance or any supplementary appropriation is valid for the fiscal year for which appropriation is made and twelve months thereafter; e.g., funds appropriated by the FFY 2010 capital budget ordinance are valid from July 1, 2009 until June 30, 2011 (Federal Fiscal Year 2011, 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)).

At the FHWA Hawaii Division Administrator's discretion, projects within the State of Hawaii that fall in the range of \$90-\$100 million may also be required to prepare a Financial Plan.

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

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

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

7.3 FINANCIAL CONSTRAINT TABLES

The tables 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 2011-2014 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) |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------------------------------|
| | | FFY 2011 (x \$1000) | FFY 2012 (x \$1000) | FFY 2013 (x \$1000) | FFY 2014 (x \$1000) | (For information only) | | |
| | | | | | | FFY 2015 (x \$1000) | FFY 2016 (x \$1000) | |
| FHWA - Funded Projects | | | | | | | | |
| <u>State of Hawaii - Sponsored Projects</u> | | | | | | | | |
| OS1 | Castle Hills Access Road Drainage Improvements, Phase II | 3,000 | 0 | 0 | 0 | 0 | 0 | 15,500 |
| OS2 | Farrington Highway (Route 93), Bridge Rehabilitation, Ulehawa Stream Bridge | 0 | 510 | 0 | 0 | 0 | 10,000 | 13,000 |
| OS3 | Farrington Highway (Route 93), Bridge Replacement, Maipalaoa Bridge | 0 | 0 | 0 | 0 | 14,000 | 0 | 16,000 |
| OS4 | Farrington Highway (Route 93), Intersection Improvements, Haleakala Avenue (Route 8743) | 5,500 | 0 | 0 | 0 | 0 | 0 | 5,600 |
| OS5 | Farrington Highway (Route 93), Intersection Improvements, Nanakuli Avenue (Route 8744) | 5,500 | 0 | 0 | 0 | 0 | 0 | 5,600 |
| OS6 | Farrington Highway (Route 93), Safety Improvements, Vicinity of Leihoku Street to Makau Street | 1,960 | 0 | 0 | 0 | 0 | 0 | 2,390 |
| OS7 | Fort Barrette Road (Route 901), Widening, Farrington Highway (Route 9107) to Barber's Point Gate | 0 | 0 | 0 | 22,000 | 0 | 0 | 23,500 |
| OS8 | Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78), Phase 1C | 7,000 | 0 | 3,500 | 0 | 0 | 0 | 58,500 |

* Estimated total project cost may include costs outside of the four-year TIP and two informational years.

| PROJECT NUMBER | PROJECT NAME <i>(Sorted by Project Name)</i> | TOTAL AMOUNT PROGRAMMED | | | | | | ESTIMATED TOTAL PROJECT COST* (x \$1000) |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------|-------------------------|------------------------|------------------------|------------------------|-----------------------------------------------------------------------------------|--------|---------------------------------------------|
| | | FFY 2011 (x \$1000) | FFY 2012 (x \$1000) | FFY 2013 (x \$1000) | FFY 2014 (x \$1000) | <u>(For information only)</u> FFY 2015 (x \$1000) FFY 2016 (x \$1000) | | |
| FHWA - Funded Projects | | | | | | | | |
| <u>State of Hawaii - Sponsored Projects</u> | | | | | | | | |
| OS9 | Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78), Phase 2A | 0 | 1,900 | 0 | 5,000 | 5,000 | 0 | 58,500 |
| OS10 | Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78), Phase 2B | 0 | 0 | 1,900 | 0 | 0 | 10,000 | 58,500 |
| OS11 | Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78), Phase 3A | 0 | 0 | 0 | 0 | 2,000 | 0 | 58,500 |
| OS12 | Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78), System Manager | 1,622 | 0 | 0 | 0 | 0 | 0 | 58,500 |
| OS13 | Freeway Service Patrol | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 16,000 |
| OS14 | Guardrail and Shoulder Improvements, Various Locations | 0 | 0 | 2,100 | 0 | 250 | 3,250 | 5,850 |
| OS15 | Interstate Route H-1 and Interstate Route H-2, Destination Sign Upgrade/Replacement | 0 | 2,808 | 0 | 0 | 0 | 2,704 | 6,200 |
| OS16 | Interstate Route H-1, Bridge Rehabilitation, Kapalama Canal | 775 | 0 | 0 | 0 | 0 | 0 | 3,000 |
| OS17 | Interstate Route H-1, Eastbound Improvements, Vicinity of Ola Lane to Vineyard Boulevard Off-Ramp | 103,500 | 0 | 0 | 0 | 0 | 0 | 104,000 |
| OS18 | Interstate Route H-1, Eastbound Improvements, Ward Avenue (Route 7511) On-Ramp to University Interchange | 0 | 0 | 884 | 0 | 0 | 0 | 17,000 |

* Estimated total project cost may include costs outside of the four-year TIP and two informational years.

| PROJECT NUMBER | PROJECT NAME <i>(Sorted by Project Name)</i> | TOTAL AMOUNT PROGRAMMED | | | | | | ESTIMATED TOTAL PROJECT COST* (x \$1000) |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------|------------------------|------------------------|-----------------------------------------------------------------------------------|-------|---------------------------------------------|
| | | FFY 2011 (x \$1000) | FFY 2012 (x \$1000) | FFY 2013 (x \$1000) | FFY 2014 (x \$1000) | <u>(For information only)</u> FFY 2015 (x \$1000) FFY 2016 (x \$1000) | | |
| FHWA - Funded Projects | | | | | | | | |
| <u>State of Hawaii - Sponsored Projects</u> | | | | | | | | |
| OS19 | Interstate Route H-1, Guardrail and Shoulder Improvements, Kapiolani Interchange to Ainakoa Avenue | 0 | 0 | 0 | 6,000 | 0 | 0 | 6,500 |
| OS20 | Interstate Route H-1, Guardrail and Shoulder Improvements, Middle Street (Route 7415) to Punchbowl Street (Route 7516) | 0 | 0 | 0 | 5,200 | 0 | 0 | 5,200 |
| OS21 | Interstate Route H-1, Highway Lighting Improvements, Kaimakani Overpass to Gulick Avenue | 0 | 0 | 6,600 | 0 | 0 | 6,240 | 13,500 |
| OS22 | Interstate Route H-1, Kapolei Interchange Complex | 6,200 | 0 | 21,428 | 0 | 0 | 0 | 30,000 |
| OS23 | Interstate Route H-1, Lunalilo Street Off-Ramp and On-Ramp | 5,000 | 0 | 0 | 0 | 0 | 0 | 6,000 |
| OS24 | Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 2 | 0 | 0 | 0 | 40,000 | 0 | 0 | 100,000 |
| OS25 | Interstate Route H-1, PM Contraflow, Westbound, Waiawa Interchange Improvements, Phase I | 0 | 15,000 | 0 | 0 | 0 | 0 | 165,000 |
| OS26 | Interstate Route H-1, Waiawa Interchange to Halawa Interchange, Widening, Eastbound | 0 | 0 | 0 | 0 | 0 | 4,326 | 100,000 |
| OS27 | Interstate Route H-1, Waiawa Interchange, Westbound, Waipahu Off-Ramp Improvements | 0 | 0 | 0 | 0 | 3,300 | 0 | 24,000 |
| OS28 | Interstate Route H-3, Safety Improvements, Vicinity of Kamehameha Highway Off-Ramp to Kaneohe Marine Corps Base Hawaii | 150 | 0 | 1,000 | 0 | 0 | 0 | 1,150 |

* Estimated total project cost may include costs outside of the four-year TIP and two informational years.

| PROJECT NUMBER | PROJECT NAME <i>(Sorted by Project Name)</i> | TOTAL AMOUNT PROGRAMMED | | | | | | ESTIMATED TOTAL PROJECT COST* (x \$1000) |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------------------------------------------------------------------|-------|---------------------------------------------|
| | | FFY 2011 (x \$1000) | FFY 2012 (x \$1000) | FFY 2013 (x \$1000) | FFY 2014 (x \$1000) | <u>(For information only)</u> FFY 2015 (x \$1000) FFY 2016 (x \$1000) | | |
| FHWA - Funded Projects | | | | | | | | |
| <u>State of Hawaii - Sponsored Projects</u> | | | | | | | | |
| OS29 | Interstate Route H-3, Seismic Retrofit, Halekou Interchange | 0 | 0 | 0 | 1,000 | 0 | 0 | 3,500 |
| OS30 | Interstate Route H-3, Seismic Retrofit, Kapaa Quarry, Structure Nos. 1 & 2 (Inbound & Outbound) | 0 | 0 | 0 | 0 | 0 | 600 | 3,500 |
| OS31 | Interstate Route H-3, Seismic Retrofit, Mokapu Boulevard (Route 65) Interchange | 0 | 0 | 0 | 0 | 3,000 | 0 | 3,500 |
| OS32 | Kalaeloa Roadway Improvements, Vicinity of Barber's Point Naval Air Station | 0 | 0 | 0 | 0 | 0 | 1,014 | 55,000 |
| OS33 | Kalaniana'ole Highway (Route 72), Bridge Replacement, Inoaole Stream Bridge, Waimanalo | 0 | 0 | 0 | 9,000 | 0 | 0 | 10,500 |
| OS34 | Kalaniana'ole Highway (Route 72), Improvements, Olomana Golf Course to Waimanalo Beach Park, Phase I | 0 | 0 | 13,000 | 0 | 0 | 0 | 41,030 |
| OS35 | Kalaniana'ole Highway (Route 72), Improvements, Olomana Golf Course to Waimanalo Beach Park, Phase II | 0 | 0 | 0 | 900 | 0 | 0 | 41,030 |
| OS36 | Kalaniana'ole Highway (Route 72), Improvements, Olomana Golf Course to Waimanalo Beach Park, Phase III | 0 | 0 | 0 | 0 | 0 | 800 | 41,030 |
| OS37 | Kamehameha Highway, Bridge Rehabilitation, Kaipapau Stream Bridge | 13,800 | 0 | 0 | 0 | 0 | 0 | 21,000 |
| OS38 | Kamehameha Highway, Bridge Rehabilitation, Kawailoa Stream Bridge | 920 | 0 | 50 | 0 | 800 | 3,401 | 6,000 |

* Estimated total project cost may include costs outside of the four-year TIP and two informational years.

| PROJECT NUMBER | PROJECT NAME <i>(Sorted by Project Name)</i> | TOTAL AMOUNT PROGRAMMED | | | | | | ESTIMATED TOTAL PROJECT COST* (x \$1000) |
|----------------------------------------------------|------------------------------------------------------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------------------------------------------------------------------|-------|---------------------------------------------|
| | | FFY 2011 (x \$1000) | FFY 2012 (x \$1000) | FFY 2013 (x \$1000) | FFY 2014 (x \$1000) | <u>(For information only)</u> FFY 2015 (x \$1000) FFY 2016 (x \$1000) | | |
| FHWA - Funded Projects | | | | | | | | |
| <u>State of Hawaii - Sponsored Projects</u> | | | | | | | | |
| OS39 | Kamehameha Highway, Bridge Rehabilitation, Lailoa Stream Bridge | 175 | 2,600 | 0 | 0 | 0 | 0 | 3,700 |
| OS40 | Kamehameha Highway, Bridge Rehabilitation, Makaua Stream Bridge | 0 | 250 | 0 | 0 | 0 | 4,600 | 5,500 |
| OS41 | Kamehameha Highway, Bridge Rehabilitation, Waipilopilo Stream Bridge | 0 | 0 | 0 | 0 | 0 | 3,120 | 4,000 |
| OS42 | Kamehameha Highway, Bridge Replacement, Hoolapa Stream (Nanahu) Bridge | 0 | 0 | 0 | 0 | 0 | 780 | 3,000 |
| OS43 | Kamehameha Highway, Bridge Replacement, Kaluanui Stream Bridge | 0 | 50 | 0 | 600 | 0 | 9,200 | 10,504 |
| OS44 | Kamehameha Highway, Bridge Replacement, Kaunala Stream Bridge | 0 | 0 | 0 | 0 | 0 | 710 | 7,300 |
| OS45 | Kamehameha Highway, Bridge Replacement, Kawela Stream Bridge | 0 | 0 | 0 | 9,000 | 0 | 0 | 9,000 |
| OS46 | Kamehameha Highway, Bridge Replacement, Lauhulu Stream Bridge | 0 | 0 | 0 | 0 | 0 | 830 | 10,000 |
| OS47 | Kamehameha Highway, Bridge Replacement, Papau Stream (Waipuhi) Bridge | 0 | 0 | 0 | 0 | 0 | 750 | 7,000 |
| OS48 | Kamehameha Highway, Bridge Replacement, South Kahana Stream Bridge | 975 | 0 | 0 | 0 | 10,800 | 0 | 13,000 |
| OS49 | Kamehameha Highway, Bridge Replacement, Upper Poamoho Stream Bridge | 1,000 | 0 | 0 | 16,000 | 0 | 0 | 23,000 |

* Estimated total project cost may include costs outside of the four-year TIP and two informational years.

| PROJECT NUMBER | PROJECT NAME <i>(Sorted by Project Name)</i> | TOTAL AMOUNT PROGRAMMED | | | | | | ESTIMATED TOTAL PROJECT COST* (x \$1000) |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------------|------------------------|---------------------------------------------|
| | | FFY 2011 (x \$1000) | FFY 2012 (x \$1000) | FFY 2013 (x \$1000) | FFY 2014 (x \$1000) | <u>(For information only)</u> | | |
| | | | | | | FFY 2015 (x \$1000) | FFY 2016 (x \$1000) | |
| FHWA - Funded Projects | | | | | | | | |
| <u>State of Hawaii - Sponsored Projects</u> | | | | | | | | |
| OS50 | Kamehameha Highway, Bridge Replacement, Waiahole Bridge | 0 | 0 | 0 | 0 | 11,000 | 0 | 11,500 |
| OS51 | Kamehameha Highway, Bridge Replacement, Waikane Stream Bridge | 0 | 250 | 0 | 0 | 0 | 2,850 | 10,200 |
| OS52 | Kamehameha Highway, Lighting Improvements, Kawaipuna Street to North Punaluu Bridge | 0 | 0 | 3,400 | 0 | 0 | 0 | 3,800 |
| OS53 | Kamehameha Highway, Realignment, Vicinity of Kawailoa Beach | 0 | 0 | 0 | 0 | 0 | 2,840 | 38,000 |
| OS54 | Kamehameha Highway, Rehabilitation, Cane Haul Road Structure, In-Bound, Vicinity of Waipahu | 0 | 0 | 0 | 0 | 0 | 3,936 | 5,000 |
| OS55 | Kamehameha Highway, Rehabilitation, Cane Haul Road Structure, Out-Bound, Vicinity of Waipahu | 0 | 0 | 0 | 0 | 0 | 3,936 | 5,000 |
| OS56 | Kamehameha Highway, Rockfall Protection, Waimea Bay | 0 | 50 | 450 | 0 | 9,500 | 0 | 11,100 |
| OS57 | Kamehameha Highway, Rockfall Protection, Waimea Bay (Sunset Beach Side) | 0 | 0 | 0 | 0 | 0 | 7,500 | 8,000 |
| OS58 | Kamehameha Highway, Safety Improvements, Kahana Valley Road to Kaaawa Bridge | 1,300 | 0 | 0 | 0 | 0 | 0 | 1,400 |
| OS59 | Kamehameha Highway, Safety Improvements, Vicinity of Makao Road to the Vicinity of Haleaha Road | 0 | 1,200 | 0 | 0 | 0 | 0 | 1,500 |
| OS60 | Kamehameha Highway, Safety Improvements, Vicinity of Pohuehue Road to Waikane Valley Road | 200 | 0 | 0 | 1,000 | 0 | 0 | 1,200 |

* Estimated total project cost may include costs outside of the four-year TIP and two informational years.

| PROJECT NUMBER | PROJECT NAME <i>(Sorted by Project Name)</i> | TOTAL AMOUNT PROGRAMMED | | | | | | ESTIMATED TOTAL PROJECT COST* (x \$1000) |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------------|------------------------|---------------------------------------------|
| | | FFY 2011 (x \$1000) | FFY 2012 (x \$1000) | FFY 2013 (x \$1000) | FFY 2014 (x \$1000) | <u>(For information only)</u> | | |
| | | | | | | FFY 2015 (x \$1000) | FFY 2016 (x \$1000) | |
| FHWA - Funded Projects | | | | | | | | |
| <u>State of Hawaii - Sponsored Projects</u> | | | | | | | | |
| OS61 | Kamehameha Highway, Safety Improvements, Vicinity of Pualalea Street to Malaekahana and Vicinity of Laie-Maloo Bridge to Hauula Bridge | 1,460 | 0 | 0 | 0 | 0 | 0 | 1,600 |
| OS62 | Kamehameha Highway, Safety Improvements, Vicinity of Waikane Valley Road to Kahekili Highway | 1,574 | 0 | 0 | 0 | 0 | 0 | 2,000 |
| OS63 | Kamehameha Highway, Shoreline Protection, Vicinity of Hauula | 500 | 0 | 0 | 0 | 0 | 5,600 | 6,100 |
| OS64 | Kamehameha Highway, Shoreline Protection, Vicinity of Kaaawa | 840 | 0 | 0 | 0 | 0 | 10,400 | 11,300 |
| OS65 | Kamehameha Highway, Shoreline Protection, Vicinity of Punaluu | 6,000 | 0 | 0 | 0 | 0 | 0 | 7,000 |
| OS66 | Kamehameha Highway, Traffic Improvements, Kahaluu to Waimea Bay (Kahekili Highway [Route 83] to Kaalaea Stream) | 0 | 0 | 0 | 0 | 0 | 1,040 | 15,000 |
| OS67 | Kamehameha Highway, Wetland Enhancement, Vicinity of Ukoa Pond | 0 | 0 | 0 | 6,000 | 0 | 0 | 6,500 |
| OS68 | Kamehameha Highway, Widening, Lanikuhana Avenue (Route 7042) to Ka Uka Boulevard (Route 7160) | 0 | 0 | 0 | 0 | 0 | 4,300 | 130,000 |
| OS69 | Leeward Bikeway, Phase I, Waipio Point Access Road to Hawaiian Railway Society Train Station | 4,160 | 0 | 0 | 0 | 0 | 0 | 16,160 |
| OS70 | Leeward Bikeway, Phase II, Hawaiian Railway Society Train Station to Lualualei Naval Road | 2,500 | 0 | 100 | 2,650 | 0 | 3,718 | 15,800 |

* Estimated total project cost may include costs outside of the four-year TIP and two informational years.

| PROJECT NUMBER | PROJECT NAME <i>(Sorted by Project Name)</i> | TOTAL AMOUNT PROGRAMMED | | | | | | ESTIMATED TOTAL PROJECT COST* (x \$1000) |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------|------------------------|------------------------|-----------------------------------------------------------------------------------|-------|---------------------------------------------|
| | | FFY 2011 (x \$1000) | FFY 2012 (x \$1000) | FFY 2013 (x \$1000) | FFY 2014 (x \$1000) | <u>(For information only)</u> FFY 2015 (x \$1000) FFY 2016 (x \$1000) | | |
| FHWA - Funded Projects | | | | | | | | |
| <u>State of Hawaii - Sponsored Projects</u> | | | | | | | | |
| OS71 | Moanalua Freeway (Route 78) and Interstate Route H-2, Guardrail and Shoulder Improvements | 0 | 0 | 0 | 5,720 | 0 | 0 | 5,800 |
| OS72 | Moanalua Freeway (Route H-201), Highway Lighting Improvements, Halawa Heights Off-Ramp to the Middle Street Overpass | 0 | 0 | 5,616 | 0 | 0 | 0 | 7,700 |
| OS73 | Moanalua Freeway (Route H-201), Highway Lighting Improvements, Halawa to the H-3 Freeway Overpass | 0 | 0 | 2,250 | 0 | 0 | 0 | 7,700 |
| OS74 | Moanalua Freeway (Route H-201), Seismic Retrofit, Puuloa Interchange, Ramp "A" | 0 | 0 | 0 | 0 | 3,800 | 0 | 4,700 |
| OS75 | Moanalua Freeway (Route H-201), Seismic Retrofit, Puuloa Separation | 0 | 0 | 0 | 0 | 6,200 | 0 | 7,300 |
| OS76 | North-South Road (Kualakai Parkway) (Route 8930), Kapolei Parkway (Route 8920) to Vicinity of the H-1 Freeway, Phase II | 0 | 0 | 0 | 0 | 0 | 700 | 200,000 |
| OS77 | Pali Highway (Route 61), Rockfall Protection Between the Two Tunnels | 0 | 0 | 0 | 0 | 0 | 1,300 | 12,000 |
| OS78 | Pali Highway (Route 61), Rockfall Protection, Kailua Side of Kailua-Bound Tunnels | 0 | 0 | 0 | 0 | 1,800 | 0 | 26,800 |
| OS79 | Recreational Trails Program | 359 | 359 | 359 | 359 | 359 | 359 | 2,154 |
| OS80 | Vanpool Program, Oahu | 2,900 | 2,900 | 2,900 | 2,900 | 2,900 | 2,900 | 26,100 |
| OS81 | Vineyard Boulevard (Route 98), Improvements, Vicinity of Queen's Medical Center | 11,030 | 0 | 0 | 0 | 0 | 0 | 12,000 |

* Estimated total project cost may include costs outside of the four-year TIP and two informational years.

| PROJECT NUMBER | PROJECT NAME <i>(Sorted by Project Name)</i> | TOTAL AMOUNT PROGRAMMED | | | | | <i>(For information only)</i> | | ESTIMATED TOTAL PROJECT COST* (x \$1000) |
|----------------------------------------------------------------|----------------------------------------------------------------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------------|------------------|---------------------------------------------|
| | | FFY 2011 (x \$1000) | FFY 2012 (x \$1000) | FFY 2013 (x \$1000) | FFY 2014 (x \$1000) | FFY 2015 (x \$1000) | FFY 2016 (x \$1000) | | |
| FHWA - Funded Projects | | | | | | | | | |
| <u>State of Hawaii - Sponsored Projects</u> | | | | | | | | | |
| | State of Hawaii - FHWA Total | 191,900 | 29,877 | 67,537 | 135,329 | 76,709 | 115,704 | 1,919,998 | |
| <u>City and County of Honolulu - Sponsored Projects</u> | | | | | | | | | |
| OC1 | Alapai Transit Center Multi-Use Path | 810 | 0 | 0 | 0 | 0 | 0 | 810 | |
| OC2 | Alapai Transportation Management Center | 17,077 | 24,798 | 21,827 | 22,187 | 29,293 | 25,649 | 140,831 | |
| OC3 | Bicycle Projects | 2,256 | 1,701 | 1,851 | 2,801 | 2,751 | 2,751 | 14,111 | |
| OC4 | Bridge Inspection and Appraisal | 900 | 900 | 1,000 | 1,000 | 1,000 | 1,000 | 5,800 | |
| OC5 | Computerized Traffic Control System | 3,481 | 376 | 3,556 | 381 | 3,611 | 3,611 | 15,016 | |
| OC6 | Kapolei Parkway (Route 8920), Kunehi Street to Kamokila Boulevard | 18,550 | 3,530 | 0 | 0 | 0 | 0 | 22,080 | |
| OC7 | Makakilo Drive (Route 8810) Extension | 0 | 0 | 0 | 22,550 | 0 | 47,410 | 85,500 | |
| OC8 | Salt Lake Boulevard (Route 7311), Widening, Maluna Street to Ala Liliko'i Street | 0 | 0 | 0 | 22,000 | 22,000 | 22,000 | 66,000 | |
| OC9 | Seismic Bridge Retrofit | 0 | 600 | 0 | 1,500 | 0 | 600 | 2,700 | |
| OC10 | Traffic Improvements at Various Locations | 1,998 | 1,470 | 2,430 | 1,470 | 2,430 | 2,430 | 12,288 | |
| OC11 | Traffic Signals at Various Locations | 3,397 | 3,397 | 3,378 | 3,378 | 3,378 | 3,378 | 20,306 | |
| OC12 | Upgrade Pedestrian Signals at Various Locations | 510 | 430 | 110 | 0 | 0 | 0 | 1,050 | |

* Estimated total project cost may include costs outside of the four-year TIP and two informational years.

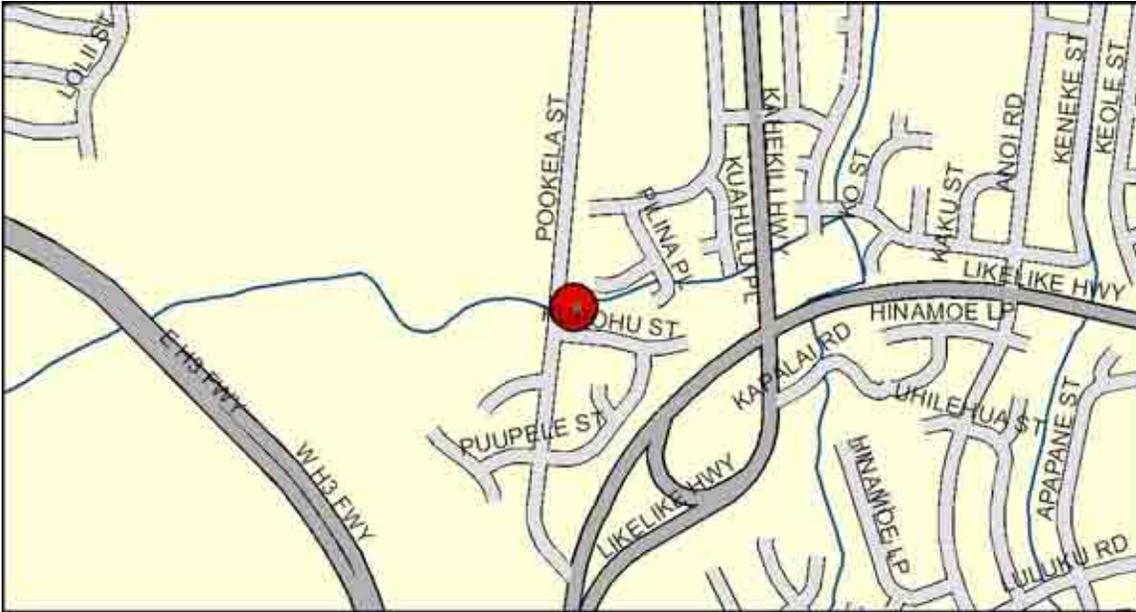
| PROJECT NUMBER | PROJECT NAME <i>(Sorted by Project Name)</i> | TOTAL AMOUNT PROGRAMMED | | | | | ESTIMATED TOTAL PROJECT COST* | |
|---------------------------------------------------------|----------------------------------------------|-------------------------|------------------------|------------------------|------------------------|-----------------------------------------------------------------------------------|----------------------------------------|------------------|
| | | FFY 2011 (x \$1000) | FFY 2012 (x \$1000) | FFY 2013 (x \$1000) | FFY 2014 (x \$1000) | <u>(For information only)</u> FFY 2015 (x \$1000) FFY 2016 (x \$1000) | | (x \$1000) |
| FHWA - Funded Projects | | | | | | | | |
| <u>City and County of Honolulu - Sponsored Projects</u> | | | | | | | | |
| | City and County of Honolulu - FHWA Total | 48,979 | 37,202 | 34,152 | 77,267 | 64,463 | 108,829 | 386,492 |
| | FHWA TOTAL | 240,879 | 67,079 | 101,689 | 212,596 | 141,172 | 224,533 | 2,306,490 |

* Estimated total project cost may include costs outside of the four-year TIP and two informational years.

| PROJECT NUMBER | PROJECT NAME <i>(Sorted by Project Name)</i> | TOTAL AMOUNT PROGRAMMED | | | | | ESTIMATED TOTAL PROJECT COST* | |
|----------------------------------------------------------------|--------------------------------------------------|-------------------------|------------------------|------------------------|------------------------|-----------------------------------------------------------------------------------|-------------------------------|------------------|
| | | FFY 2011 (x \$1000) | FFY 2012 (x \$1000) | FFY 2013 (x \$1000) | FFY 2014 (x \$1000) | <u>(For information only)</u> FFY 2015 (x \$1000) FFY 2016 (x \$1000) | | (x \$1000) |
| FTA - Funded Projects | | | | | | | | |
| <u>City and County of Honolulu - Sponsored Projects</u> | | | | | | | | |
| OC13 | Agency-Provided Trips | 525 | 552 | 580 | 608 | 636 | 664 | 4,293 |
| OC14 | Bus and Handi-Van Acquisition Program | 17,737 | 18,237 | 18,737 | 19,238 | 19,737 | 20,237 | 113,923 |
| OC15 | Honolulu High-Capacity Transit Corridor Project | 485,000 | 721,000 | 1,117,000 | 999,000 | 747,000 | 446,000 | 5,163,495 |
| OC16 | Local Shuttle Service | 152 | 160 | 168 | 176 | 192 | 208 | 894 |
| OC17 | Middle Street Intermodal Center | 300 | 4,310 | 29,524 | 29,538 | 0 | 0 | 63,672 |
| OC18 | Mobility Management Center | 534 | 564 | 359 | 593 | 593 | 593 | 3,319 |
| OC19 | Preventive Maintenance | 41,423 | 43,080 | 44,803 | 46,595 | 48,459 | 50,397 | 274,757 |
| OC20 | Transfer to FHWA for Vanpool | 1,870 | 1,945 | 2,023 | 2,103 | 2,187 | 2,275 | 12,403 |
| OC21 | Transit Safety and Security Projects | 457 | 0 | 0 | 0 | 0 | 0 | 457 |
| OC22 | West Oahu Bus and Handi-Van Maintenance Facility | 0 | 2,351 | 6,201 | 8,004 | 21,504 | 34,502 | 72,562 |
| OC23 | Windward Transit Center | 0 | 302 | 3,353 | 204 | 0 | 0 | 3,859 |
| City and County of Honolulu - FTA Total | | 547,998 | 792,501 | 1,222,748 | 1,106,059 | 840,308 | 554,876 | 5,713,634 |
| FTA TOTAL | | 547,998 | 792,501 | 1,222,748 | 1,106,059 | 840,308 | 554,876 | 5,713,634 |

* Estimated total project cost may include costs outside of the four-year TIP and two informational years.

OS1 Castle Hills Access Road Drainage Improvements, Phase II



Project Description:

Construct a retention basin and/or other drainage improvements in the vicinity of Pookela Street, Kupohu Street, and Pilina Way in Kaneohe.

Neighborhood(s): Kaneohe

Estimated Total Project Cost: \$15,500,000
(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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/CON | 3,000 | 2,500 | 500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP Flex |

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.

Neighborhood(s): Waianae Coast

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

Project Sponsor: State of Hawaii (FHWA Funded)

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

| Phase | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category |
|-------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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 | 0 | 0 | 0 | 510 | 408 | 102 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bridge On |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10,000 | 8,000 | 2,000 | Bridge On |

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



Project Description:

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

Neighborhood(s): Waianae Coast

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

Project Sponsor: State of Hawaii (FHWA Funded)

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

| Phase | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category |
|--------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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 | 14,000 | 5,200 | 8,800 | 0 | 0 | 0 | Bridge On |
| ADVCON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,000 | -6,000 | Bridge On |

OS4 Farrington Highway (Route 93), Intersection Improvements, Haleakala Avenue (Route 8743)



Project Description:

Construct intersection improvements on Farrington Highway, such as a left-turn lane onto Haleakala Avenue, roadway widening, resurfacing, roadway excavation, drainage, traffic signal modifications, and underground utilities.

Neighborhood(s): Waianae Coast

Estimated Total Project Cost: \$5,600,000
 (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 | FOR INFORMATION ONLY | | | | | | | | | | | | Funding Category | | | | | | |
|-------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | | FFY 2015 | | | FFY 2016 | | |
| | 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 | 1,000 | 800 | 200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Earmark HP |
| CON | 4,500 | 3,600 | 900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | HSIP |

OS5 Farrington Highway (Route 93), Intersection Improvements, Nanakuli Avenue (Route 8744)



Project Description:

Construct intersection improvements on Farrington Highway, such as a left-turn lane onto Nanakuli Avenue, roadway widening, resurfacing, roadway excavation, drainage, traffic signals, and landscaping.

Neighborhood(s): Waianae Coast

Estimated Total Project Cost: \$5,600,000
(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FOR INFORMATION ONLY | | | | | | Funding Category |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|---------|----------|-------|---------|-------|------------------|
| | Total | Federal | Local | FFY 2015 | | FFY 2016 | | | | |
| | (x\$1000) | Total | Federal | Local | Total | Federal | Local | |
| CON | 5,500 | 4,400 | 1,100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | HSIP |

OS6 Farrington Highway (Route 93), Safety Improvements, Vicinity of Leihoku Street to Makau Street



Project Description:

Install milled rumble strips on centerline and shoulders, pavement markings, striping and signage on Farrington Highway from Leihoku Street to Makau Street.

Neighborhood(s): Waianae Coast

Estimated Total Project Cost: \$2,390,000
(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | | |
| | 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 | 1,960 | 1,764 | 196 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | HSIP |

OS7 Fort Barrette Road (Route 901), Widening, Farrington Highway (Route 9107) to Barber's Point Gate



Project Description:

Widen Fort Barrette Road to four lanes and construct other improvements, including right- and left-turn lanes, sidewalk, bikeway, highway lighting, drainage, traffic signals, landscaping, and other improvements.

Neighborhood(s): Makakilo-Kapolei-Honokai Hale

Estimated Total Project Cost: \$23,500,000
 (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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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 | 22,000 | 0 | 22,000 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| ADVCON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17,600 | -17,600 | 0 | 0 | 0 | STP Flex |

OS8 Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78), Phase 1C



Project Description:

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

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$58,500,000
(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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>Part 1</i> | | | | | | | | | | | | | | | | | | | |
| CON | 7,000 | 5,600 | 1,400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NHS |
| <i>Part 2</i> | | | | | | | | | | | | | | | | | | | |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 3,500 | 2,800 | 700 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NHS |

OS9 Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78), Phase 2A



Project Description:

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

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$58,500,000
(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FOR INFORMATION ONLY | | | | | | Funding Category | |
|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|---------|-------|----------|---------|-------|------------------|----|
| | Total | Federal | Local | FFY 2015 | | | FFY 2016 | | | | |
| | (x\$1000) | Total | Federal | Local | Total | Federal | Local | | |
| DES | 0 | 0 | 0 | 1,900 | 1,520 | 380 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | IM |
| Part 1 | | | | | | | | | | | | | | | | | | | | |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,000 | 4,000 | 1,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | IM |
| Part 2 | | | | | | | | | | | | | | | | | | | | |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,000 | 4,000 | 1,000 | 0 | 0 | 0 | 0 | IM |

OS10 Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78), Phase 2B



Project Description:

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

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$58,500,000
(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FOR INFORMATION ONLY | | | | | | Funding Category |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|---------|-------|----------|---------|-------|------------------|
| | Total | Federal | Local | FFY 2015 | | | FFY 2016 | | | |
| | (x\$1000) | Total | Federal | Local | Total | Federal | Local | |
| DES | 0 | 0 | 0 | 0 | 0 | 0 | 1,900 | 1,520 | 380 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | IM |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10,000 | 8,000 | 2,000 | IM |

OS11 Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78), Phase 3A



Project Description:

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

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$58,500,000
(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FOR INFORMATION ONLY | | | | | | Funding Category |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|---------|-------|----------|---------|-------|------------------|
| | Total | Federal | Local | FFY 2015 | | | FFY 2016 | | | |
| | (x\$1000) | Total | Federal | Local | Total | Federal | Local | |
| DES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,000 | 1,600 | 400 | 0 | 0 | 0 | IM |

OS12 Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78), System Manager

The System Manager will be located at the H-3 Control Center.

Project Description:

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.

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$58,500,000
(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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 | 1,622 | 1,298 | 324 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NHS |

OS13 Freeway Service Patrol



Project Description:

Operate roving service patrols along the Interstate H-1. 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.

Neighborhood(s): Various Locations

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

Project Sponsor: State of Hawaii (FHWA Funded)

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

| Phase | FFY 2011 | | | | | | FFY 2012 | | | | | | FFY 2013 | | | | | | FFY 2014 | | | | | | 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 | 2,000 | 1,800 | 200 | 2,000 | 1,800 | 200 | 2,000 | 1,800 | 200 | 2,000 | 1,800 | 200 | 2,000 | 1,800 | 200 | 2,000 | 1,800 | 200 | 2,000 | 1,800 | 200 | 2,000 | 1,800 | 200 | 2,000 | 1,800 | 200 | NHS | | | |

OS14 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.

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$5,850,000
 (May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

| Phase | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category |
|------------------------------------------------------------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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 1 - Various Locations on Interstate Route H-1</i> | | | | | | | | | | | | | | | | | | | |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 2,100 | 1,890 | 210 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | HSIP |
| <i>Phase 2</i> | | | | | | | | | | | | | | | | | | | |
| DES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 250 | 200 | 50 | 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 |
| <i>Phase 3</i> | | | | | | | | | | | | | | | | | | | |
| DES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 250 | 200 | 50 | HSIP |

OS15 Interstate Route H-1 and Interstate Route H-2, Destination Sign Upgrade/Replacement



Project Description:

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

Neighborhood(s): Various Locations

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 | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category |
|----------------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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 1</i> | | | | | | | | | | | | | | | | | | | |
| CON | 0 | 0 | 0 | 2,808 | 2,246 | 562 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NHS |
| <i>Phase 2</i> | | | | | | | | | | | | | | | | | | | |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,704 | 2,434 | 270 | NHS |

OS16 Interstate Route H-1, Bridge Rehabilitation, Kapalama Canal



Project Description:

Rehabilitate the existing bridge.

Neighborhood(s): Kalihi-Palama

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

FOR INFORMATION ONLY

| Phase | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | Funding Category | |
|-------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|-----------|
| | 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 | 775 | 620 | 155 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bridge On |

OS17 Interstate Route H-1, Eastbound Improvements, Vicinity of Ola Lane to Vineyard Boulevard Off-Ramp



Project Description:

Construct an additional lane on Interstate Route H-1 in the eastbound direction from the vicinity of Middle Street/Ola Lane to the vicinity of the H-1 Vineyard Boulevard off-ramp.

Neighborhood(s): Kalihi-Palama

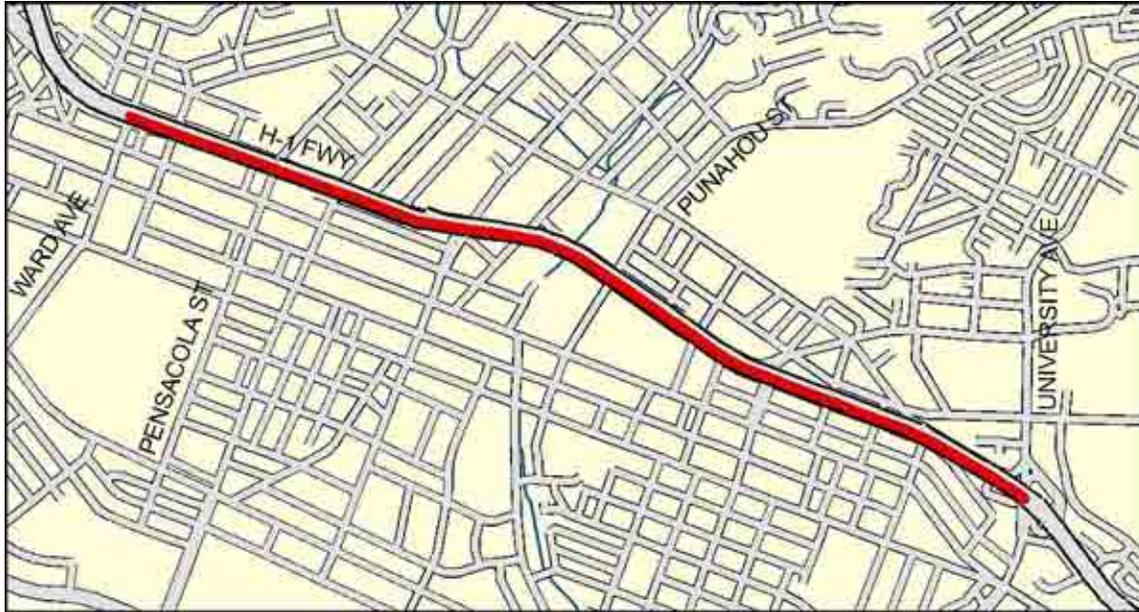
Estimated Total Project Cost: \$104,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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/CON | 93,500 | 11,000 | 82,500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NHS |
| ROW | 10,000 | 9,000 | 1,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NHS |
| ADVCON | 0 | 0 | 0 | 0 | 45,000 | -45,000 | 0 | 28,150 | -28,150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NHS |

OS18 Interstate Route H-1, Eastbound Improvements, Ward Avenue (Route 7511) On-Ramp to University Interchange



Project Description:

Improve the eastbound traffic flow from Ward Avenue to the University Interchange.

Neighborhood(s): Makiki-Lower Punchbowl-Tantalus, Manoa, McCully-Moiliili

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

Project Sponsor: State of Hawaii (FHWA Funded)

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

| Phase | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category | |
|-------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|----|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | | |
| | 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 | 0 | 0 | 0 | 884 | 707 | 177 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | IM |

OS19 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.

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

Estimated Total Project Cost: \$6,500,000
(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 2011-2014 | | | | | | | | | | | | FOR INFORMATION ONLY | | | | | | Funding Category |
|-------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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 | 6,000 | 5,400 | 600 | 0 | 0 | 0 | 0 | 0 | 0 | IM |

OS20 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.

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

Estimated Total Project Cost: \$5,200,000
(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 2011-2014 | | | | | | | | | FOR INFORMATION ONLY | | | | | | Funding Category | | | |
|-------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|-----------------|-------------------|-----------------|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | | FFY 2016 | | |
| | 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 | 5,200 | 4,680 | 520 | 0 | 0 | 0 | 0 | 0 | 0 | IM |

OS21 Interstate Route H-1, Highway Lighting Improvements, Kaimakani Overpass to Gulick Avenue



Project Description:

Upgrade/replace existing freeway lighting.

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

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

Project Sponsor: State of Hawaii (FHWA Funded)

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

| Phase | FFY 2011 | | | | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FOR INFORMATION ONLY | | | | | | Funding Category | |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|-----------|-----------|-----------|-----------|-----------|------------------|-----------|
| | Total | | Federal | | Local | | Total | | Federal | | Local | | Total | | Federal | | Local | | FFY 2015 | | FFY 2016 | | |
| | (x\$1000) | (x\$1000) | (x\$1000) | (x\$1000) | (x\$1000) | (x\$1000) | | (x\$1000) |
| <i>Phase 1</i> | | | | | | | | | | | | | | | | | | | | | | | |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 6,600 | 5,280 | 1,320 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | IM | |
| <i>Phase 2</i> | | | | | | | | | | | | | | | | | | | | | | | |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,240 | 4,992 | 1,248 | | | | IM | |

OS22 Interstate Route H-1, Kapolei Interchange Complex



Project Description:

Phase 1 involved adding a westbound ramp from Makakilo Drive to the H-1 west and installing eastbound on- and off- ramps for the new Kapolei Interchange. Phase 2 involves grading and utility work for construction of the Wakea Street Overpass, the H-1 Westbound Off-Ramp to Wakea Street, and the Wakea Street Westbound On-Ramp to Farrington Highway. Phase 3 involves constructing the Wakea Street Overpass, the H-1 Westbound Off-Ramp to Wakea Street, and the Wakea Street Westbound On-Ramp to Farrington Highway. Phases 4 and 5 involve completing the Kapolei Interchange Complex, including completing construction of the Palailai and Makakilo Interchanges.

This project was called "Interstate H-1, Addition and Modification of Freeway Access, Makakilo Interchange to Palailai Interchange (Kapolei Interchange Complex)" in previous TIP documents.

Neighborhood(s): Makakilo-Kapolei-Honokai Hale

Estimated Total Project Cost: \$30,000,000
(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | | |
| | 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 2 | | | | | | | | | | | | | | | | | | | | |
| CON | 1,000 | 900 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | IM Discret |
| CON | 5,200 | 0 | 5,200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| ADVCON | 0 | 0 | 0 | 0 | 4,680 | -4,680 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NHS |
| Phase 3 | | | | | | | | | | | | | | | | | | | | |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 3,800 | 3,400 | 400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | IM Discret |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 16,200 | 14,580 | 1,620 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NHS |

OS22 Interstate Route H-1, Kapolei Interchange Complex

Phase 4

| | | | | | | | | | | | | | | | | | |
|-----|---|---|---|---|---|---|-----|-----|----|---|---|---|---|---|---|---|-----|
| DES | 0 | 0 | 0 | 0 | 0 | 0 | 520 | 468 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NHS |
| ROW | 0 | 0 | 0 | 0 | 0 | 0 | 208 | 187 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NHS |

Phase 5

| | | | | | | | | | | | | | | | | | |
|-----|---|---|---|---|---|---|-----|-----|----|---|---|---|---|---|---|---|-----|
| DES | 0 | 0 | 0 | 0 | 0 | 0 | 500 | 450 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NHS |
| ROW | 0 | 0 | 0 | 0 | 0 | 0 | 200 | 180 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NHS |

OS23 Interstate Route H-1, Lunalilo Street Off-Ramp and On-Ramp



Project Description:

Improve operation and capacity on the westbound H-1 Freeway by modifying the weaving movements between the Lunalilo Street on-ramp and the Vineyard Boulevard off-ramp. Restripe the freeway lanes from the Punahou Street on-ramp to the Pali Highway off-ramp in the westbound direction.

Neighborhood(s): Makiki-Lower Punchbowl-Tantalus

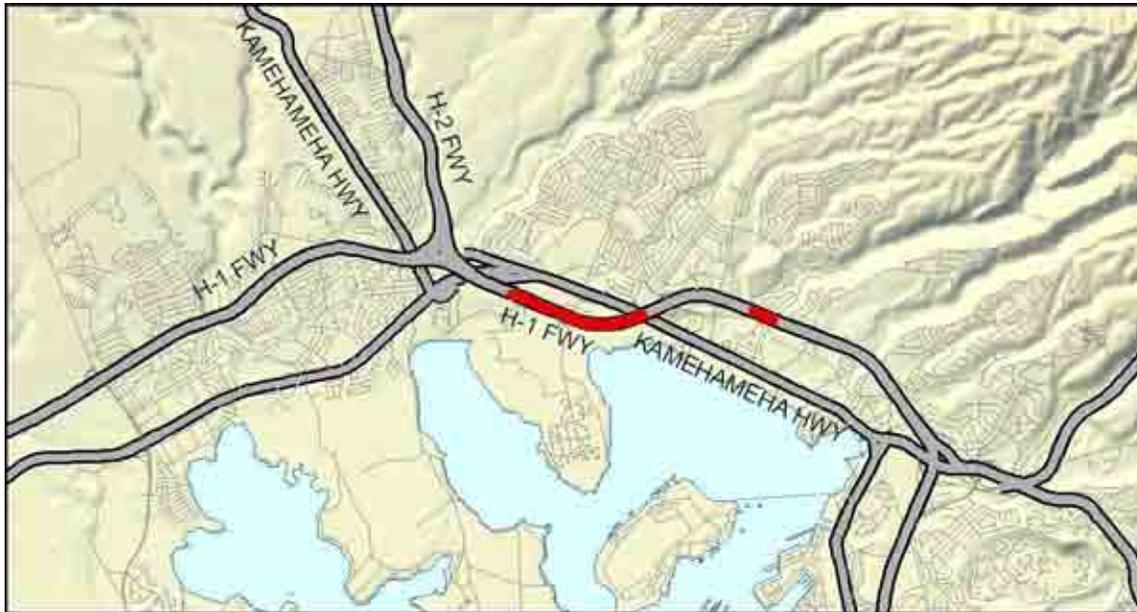
Estimated Total Project Cost: \$6,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

| Phase | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category |
|---------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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/CON | 5,000 | 4,500 | 500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | IM |

OS24 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.

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 2011-2014 | | | | | | | | | FOR INFORMATION ONLY | | | | | | Funding Category | | | |
|--------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|-----------------|-------------------|-----------------|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | | FFY 2016 | | |
| | 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 | 40,000 | 18,000 | 22,000 | 0 | 0 | 0 | 0 | 0 | 0 | IM |
| ADVCON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18,000 | -18,000 | 0 | 0 | 0 | IM |

OS25 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 just east of the Waiawa Interchange.

Neighborhood(s): Waipahu

Estimated Total Project Cost: \$165,000,000
(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | | |
| | 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 | 15,000 | 13,500 | 1,500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | IM |

OS26 Interstate Route H-1, Waiiau Interchange to Halawa Interchange, Widening, Eastbound



Project Description:

Widen the H-1 Freeway to six lanes from the Waiiau Interchange to the Halawa Interchange in the eastbound direction, and restore the current freeway lane width and shoulder standards. Project may be phased due to high cost.

Neighborhood(s): Pearl City, Aiea

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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FOR INFORMATION ONLY | | | | | | Funding Category |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|---------|-------|----------|---------|-------|------------------|
| | Total | Federal | Local | FFY 2015 | | | FFY 2016 | | | |
| | (x\$1000) | Total | Federal | Local | Total | Federal | Local | |
| DES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,326 | 3,461 | 865 | NHS |

OS27 Interstate Route H-1, Waiawa Interchange, Westbound, Waipahu Off-Ramp Improvements



Project Description:

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

Neighborhood(s): Waipahu

Estimated Total Project Cost: \$24,000,000
(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

FOR INFORMATION ONLY

| Phase | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | Funding Category |
|-------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|
| | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,300 | 2,970 | 330 | 0 | 0 | 0 | NHS |

OS28 Interstate Route H-3, Safety Improvements, Vicinity of Kamehameha Highway Off-Ramp to Kaneohe Marine Corps Base Hawaii



Project Description:

Project involves improvements such as the installation of milled rumble strips on shoulders, pavement markings, and signage.

Neighborhood(s): Kaneohe, Kailua

Estimated Total Project Cost: \$1,150,000
(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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 | 150 | 135 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | HSIP |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 1,000 | 900 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | HSIP |

OS29 Interstate Route H-3, Seismic Retrofit, Halekou Interchange



Project Description:

Retrofit the interchange structure to meet current seismic standards.

Neighborhood(s): Kaneohe

Estimated Total Project Cost: \$3,500,000
(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

FOR INFORMATION ONLY

| Phase | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | Funding Category |
|-------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|
| | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 1,000 | 800 | 200 | 0 | 0 | 0 | 0 | 0 | 0 | Bridge On |

OS30 Interstate Route H-3, Seismic Retrofit, Kapaa Quarry, Structure Nos. 1 & 2 (Inbound & Outbound)



Project Description:

Retrofit the interchange structure to meet current seismic standards.

Neighborhood(s): Kailua

Estimated Total Project Cost: \$3,500,000

(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FOR INFORMATION ONLY | | | | | | Funding Category |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|---------|-------|----------|---------|-------|------------------|
| | Total | Federal | Local | FFY 2015 | | | FFY 2016 | | | |
| | (x\$1000) | Total | Federal | Local | Total | Federal | Local | |
| DES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 600 | 480 | 120 | Bridge On |

OS31 Interstate Route H-3, Seismic Retrofit, Mokapu Boulevard (Route 65) Interchange



Project Description:

Retrofit the interchange structure to meet current seismic standards.

Neighborhood(s): Mokapu, Kailua, Kaneohe

Estimated Total Project Cost: \$3,500,000
 (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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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 | 3,000 | 2,400 | 600 | 0 | 0 | 0 | Bridge On |

OS32 Kalaeloa Roadway Improvements, Vicinity of Barber's Point Naval Air Station



Project Description:

Bring roadways up to City standards and turn the roadway over to the City and County of Honolulu. Roadways include Roosevelt Avenue, Enterprise Avenue, and Coral Sea Road.

Neighborhood(s): Makakilo-Kapolei-Honokai Hale

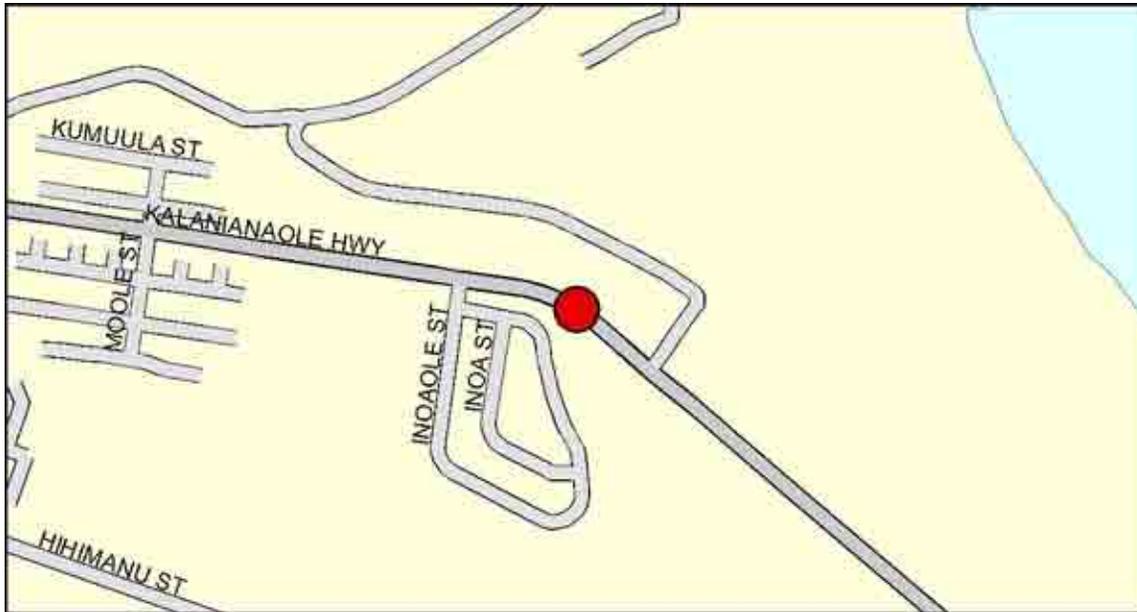
Estimated Total Project Cost: \$55,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

| Phase | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FOR INFORMATION ONLY | | | | | | Funding Category |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|---------|----------|-------|---------|-------|------------------|
| | Total | Federal | Local | FFY 2015 | | FFY 2016 | | | | |
| | (x\$1000) | Total | Federal | Local | Total | Federal | Local | |
| DES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,014 | 811 | 203 | STP Flex |

OS33 Kalaniana'ole Highway (Route 72), Bridge Replacement, Inoaole Stream Bridge, Waimanalo



Project Description:

Replace the existing bridge.

Neighborhood(s): Waimanalo

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

FOR INFORMATION ONLY

| Phase | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | Funding Category |
|-------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|
| | 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 | 9,000 | 7,200 | 1,800 | 0 | 0 | 0 | 0 | 0 | 0 | STP Flex |

OS34 Kalia Highway (Route 72), Improvements, Olomana Golf Course to Waimanalo Beach Park, Phase I



Project Description:

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

Neighborhood(s): Waimanalo, Kailua

Estimated Total Project Cost: \$41,030,000
(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | | |
| | 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 | 13,000 | 5,400 | 7,600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NHS |
| ADVCON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,000 | -5,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NHS |

OS35 Kalaniana'ole Highway (Route 72), Improvements, Olomana Golf Course to Waimanalo Beach Park, Phase II



Project Description:

Phase II involves constructing traffic operational and safety improvements on Kalaniana'ole Highway, from Poalima Street to Aloiloi Street. Project includes turning lanes, bus pullouts, and lighting improvements.

Neighborhood(s): Waimanalo

Estimated Total Project Cost: \$41,030,000
(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 900 | 720 | 180 | 0 | 0 | 0 | 0 | 0 | 0 | NHS |

OS36 Kalaniana'ole Highway (Route 72), Improvements, Olomana Golf Course to Waimanalo Beach Park, Phase III



Project Description:

Phase III involves constructing traffic operational and safety improvements on Kalaniana'ole Highway from Aloloi Street to Waimanalo Beach Park. Project includes turning lanes, bus pullouts, and lighting improvements.

Neighborhood(s): Waimanalo

Estimated Total Project Cost: \$41,030,000
(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 800 | 640 | 160 | NHS |

OS37 Kamehameha Highway, Bridge Rehabilitation, Kaipapau Stream Bridge



Project Description:

Rehabilitate the existing bridge on Kamehameha Highway (Route 83).

Neighborhood(s): Koolauloa

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 | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category | |
|-------|----------------------|----------------------|--------------------|--------------------|----------------------|--------------------|--------------------|----------------------|--------------------|--------------------|----------------------|--------------------|--------------------|----------------------|--------------------|--------------------|----------------------|--------------------|------------------|-----------|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | | |
| | 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 | 13,800 | 11,040 | 2,760 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bridge On |

OS38 Kamehameha Highway, Bridge Rehabilitation, Kawailoa Stream Bridge



Project Description:

Rehabilitate the existing bridge on Kamehameha Highway (Route 83) by widening and strengthening to meet current State standards.

Neighborhood(s): North Shore

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 | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category | | |
|--------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|-----------|-----------|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | | | |
| | 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 | 920 | 736 | 184 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bridge On | |
| PREROW | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 40 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bridge On |
| ROW | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 800 | 640 | 160 | 0 | 0 | 0 | 0 | 0 | Bridge On |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,401 | 2,721 | 680 | 0 | 0 | Bridge On |

OS39 Kamehameha Highway, Bridge Rehabilitation, Laieloa Stream Bridge



Project Description:

Rehabilitate the existing concrete slab bridge on Kamehameha Highway (Route 83) in the vicinity of Laie.

Neighborhood(s): Koolauloa

Estimated Total Project Cost: \$3,700,000

(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 | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category |
|-----------|----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------------|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | Total | Federal | Local | 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) | (x\$1000) | (x\$1000) | (x\$1000) | (x\$1000) | (x\$1000) | (x\$1000) | (x\$1000) | (x\$1000) | (x\$1000) | (x\$1000) | (x\$1000) | (x\$1000) | (x\$1000) | (x\$1000) | |
| ROW | 175 | 140 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bridge On |
| CON | 0 | 0 | 0 | 2,600 | 2,080 | 520 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bridge On |

OS40 Kamehameha Highway, 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.

Neighborhood(s): Koolauloa

Estimated Total Project Cost: \$5,500,000
(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FOR INFORMATION ONLY | | | | | | Funding Category | |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|-----------|-----------|-----------|-----------|-------|------------------|-----------|
| | Total | Federal | Local | FFY 2015 | | FFY 2016 | | | | | |
| | (x\$1000) | (x\$1000) | (x\$1000) | (x\$1000) | (x\$1000) | | | |
| ROW | 0 | 0 | 0 | 250 | 200 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bridge On | |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,600 | 3,680 | 920 | Bridge On |

OS41 Kamehameha Highway, Bridge Rehabilitation, Waipilopilo Stream Bridge



Project Description:

Rehabilitate the existing concrete T-bridge on Kamehameha Highway (Route 83) in the vicinity of Hauula.

Neighborhood(s): Koolauloa

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

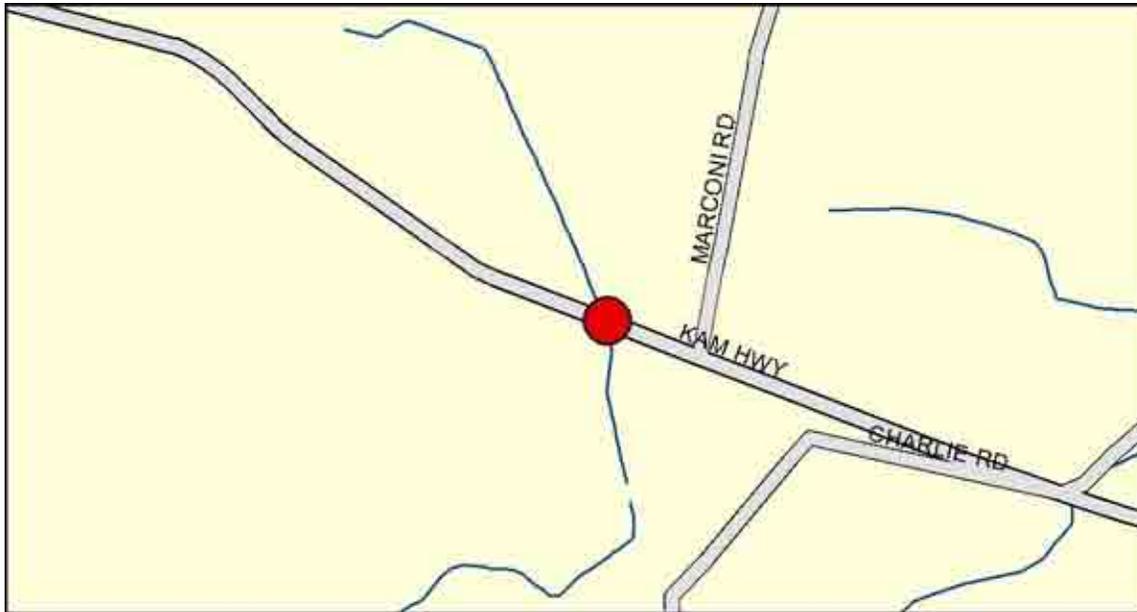
Project Sponsor: State of Hawaii (FHWA Funded)

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

FOR INFORMATION ONLY

| Phase | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | Funding Category |
|-------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|
| | 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 | 0 | 0 | 0 | 3,120 | 2,496 | 624 | Bridge On |

OS42 Kamehameha Highway, Bridge Replacement, Hoolapa Stream (Nanahu) Bridge



Project Description:

Replace the existing bridge on Kamehameha Highway (Route 83).

Neighborhood(s): Koolauloa

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

FOR INFORMATION ONLY

| Phase | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | Funding Category |
|-------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|
| | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 780 | 624 | 156 | Bridge On |

OS43 Kamehameha Highway, Bridge Replacement, Kaluanui Stream Bridge



Project Description:

Replace the existing bridge on Kamehameha Highway (Route 83).

Neighborhood(s): Koolauloa

Estimated Total Project Cost: \$10,504,000

(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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) | |
| PREROW | 0 | 0 | 0 | 50 | 40 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bridge On |
| ROW | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 600 | 480 | 120 | 0 | 0 | 0 | 0 | 0 | 0 | Bridge On |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9,200 | 7,360 | 1,840 | Bridge On |

OS44 Kamehameha Highway, Bridge Replacement, Kaunala Stream Bridge



Project Description:

Replace the existing bridge on Kamehameha Highway (Route 83).

Neighborhood(s): North Shore

Estimated Total Project Cost: \$7,300,000
(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 | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category |
|-------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 710 | 568 | 142 | Bridge On |

OS45 Kamehameha Highway, Bridge Replacement, Kawela Stream Bridge



Project Description:

Replace the existing bridge on Kamehameha Highway (Route 83).

Neighborhood(s): Koolauloa

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

Project Sponsor: State of Hawaii (FHWA Funded)

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

FOR INFORMATION ONLY

| Phase | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | Funding Category |
|-------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|
| | 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 | 9,000 | 7,200 | 1,800 | 0 | 0 | 0 | 0 | 0 | 0 | Bridge On |

OS46 Kamehameha Highway, Bridge Replacement, Lauhulu Stream Bridge



Project Description:

Replace the existing bridge on Kamehameha Highway (Route 83).

Neighborhood(s): North Shore

Estimated Total Project Cost: \$10,000,000

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

Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:

Hawaii Department of Transportation

FOR INFORMATION ONLY

| Phase | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | Funding Category |
|-------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|
| | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 830 | 664 | 166 | Bridge On |

OS47 Kamehameha Highway, Bridge Replacement, Papau Stream (Waipuhi) Bridge



Project Description:

Replace the existing bridge on Kamehameha Highway (Route 83).

Neighborhood(s): Koolauloa

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

FOR INFORMATION ONLY

| Phase | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | Funding Category |
|-------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|
| | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 750 | 600 | 150 | Bridge On |

OS48 Kamehameha Highway, Bridge Replacement, South Kahana Stream Bridge



Project Description:

Replace the existing bridge on Kamehameha Highway (Route 83).

Neighborhood(s): Koolauloa

Estimated Total Project Cost: \$13,000,000

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

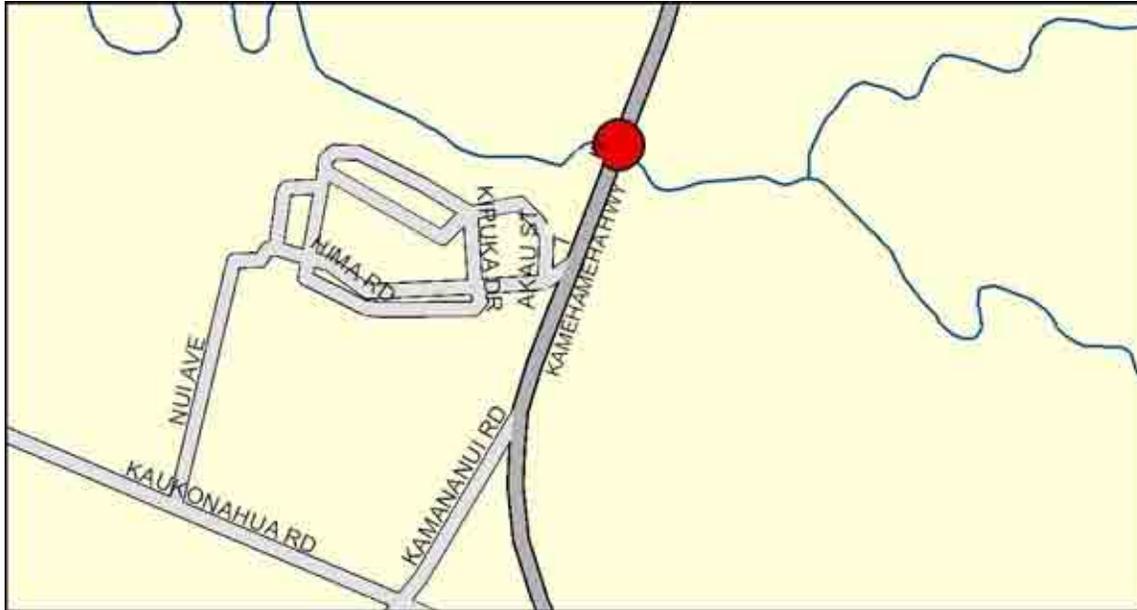
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:

Hawaii Department of Transportation

| Phase | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FOR INFORMATION ONLY | | | | | | Funding Category | | | |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|---------|-------|----------|---------|-------|------------------|---|-----------|-----------|
| | Total | Federal | Local | FFY 2015 | | | FFY 2016 | | | | | | |
| | (x\$1000) | Total | Federal | Local | Total | Federal | Local | | | | |
| ROW | 975 | 780 | 195 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bridge On | |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10,800 | 8,640 | 2,160 | 0 | 0 | 0 | 0 | 0 | 0 | Bridge On |

OS49 Kamehameha Highway, Bridge Replacement, Upper Poamoho Stream Bridge



Project Description:

Replace the existing multi-girder reinforced bridge on Kamehameha Highway (Route 99) in the vicinity of Wahiawa.

Neighborhood(s): Wahiawa, North Shore

Estimated Total Project Cost: \$23,000,000
(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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 | 1,000 | 800 | 200 | 0 | 0 | 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 | 16,000 | 6,800 | 9,200 | 0 | 0 | 0 | 0 | 0 | 0 | Bridge On |
| ADVCON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,000 | -6,000 | 0 | 0 | 0 | Bridge On |

OS50 Kamehameha Highway, Bridge Replacement, Waiahole Bridge



Project Description:

Replace the existing concrete structure on Kamehameha Highway (Route 83).

Neighborhood(s): Kahaluu

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 | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category | | | |
|-------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|---|---|-----------|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | | | | |
| | 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 | 0 | 0 | 0 | 11,000 | 8,800 | 2,200 | 0 | 0 | 0 | Bridge On |

OS51 Kamehameha Highway, Bridge Replacement, Waikane Stream Bridge



Project Description:

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

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 | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FOR INFORMATION ONLY | | | | | | Funding Category | |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|---------|-------|----------|---------|-------|------------------|-----------|
| | Total | Federal | Local | FFY 2015 | | | FFY 2016 | | | | |
| | (x\$1000) | Total | Federal | Local | Total | Federal | Local | | |
| ROW | 0 | 0 | 0 | 250 | 200 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bridge On |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,850 | 2,280 | 570 | Bridge On |

OS52 Kamehameha Highway, Lighting Improvements, Kawaipuna Street to North Punaluu Bridge



Project Description:

Upgrade/replace roadway lighting on Kamehameha Highway (Route 83) from Kawaipuna Street (milepost 20.7) to North Punaluu Bridge (milepost 23.8).

Neighborhood(s): Koolauloa

Estimated Total Project Cost: \$3,800,000
(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 | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category |
|-------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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 | 3,400 | 2,720 | 680 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NHS |

OS53 Kamehameha Highway, Realignment, Vicinity of Kawailoa Beach



Project Description:

Realign Kamehameha Highway (Route 83) from Haleiwa to the vicinity of Waimea Bay, a total distance of approximately 4.2 miles. The new highway would bypass a portion of Kamehameha Highway on the North Shore.

Neighborhood(s): North Shore

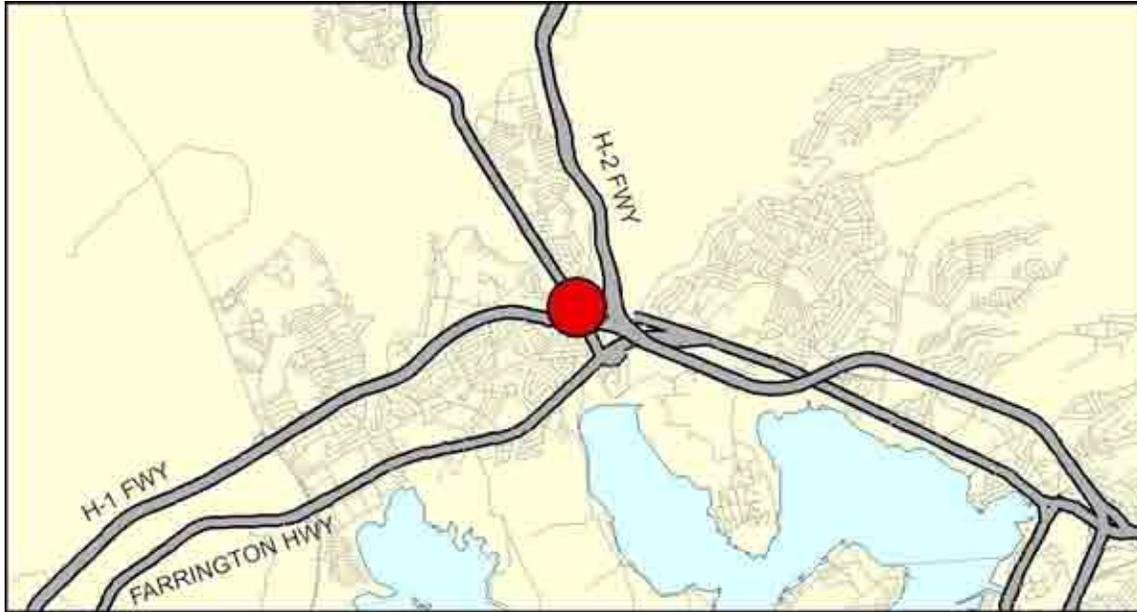
Estimated Total Project Cost: \$38,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,840 | 2,272 | 568 | NHS |

OS54 Kamehameha Highway, Rehabilitation, Cane Haul Road Structure, In-Bound, Vicinity of Waipahu



Project Description:

Rehabilitate the existing bridge on Kamehameha Highway (Route 99).

Neighborhood(s): Waipahu

Estimated Total Project Cost: \$5,000,000

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

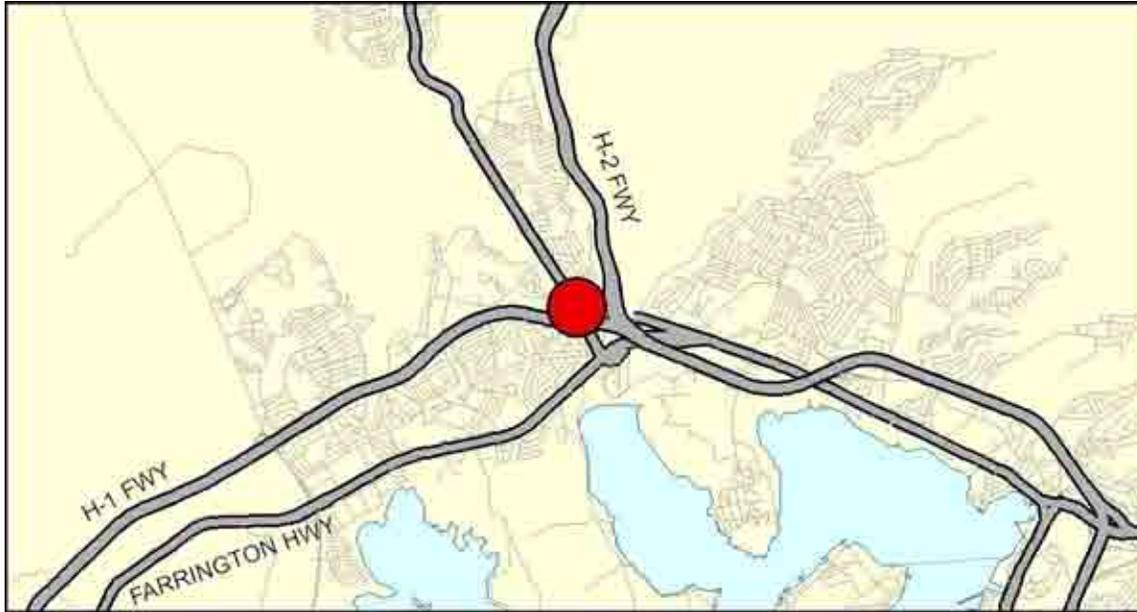
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:

Hawaii Department of Transportation

| Phase | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category | | | |
|-------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|-------|-----|-----------|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | | | | |
| | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 3,936 | 3,149 | 787 | Bridge On |

OS55 Kamehameha Highway, Rehabilitation, Cane Haul Road Structure, Out-Bound, Vicinity of Waipahu



Project Description:

Rehabilitate the existing bridge on Kamehameha Highway (Route 99).

Neighborhood(s): Waipahu

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

Project Sponsor: State of Hawaii (FHWA Funded)

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

| Phase | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category |
|-------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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 | 0 | 0 | 0 | 3,936 | 3,149 | 787 | Bridge On |

OS56 Kamehameha Highway, Rockfall Protection, Waimea Bay



Project Description:

Initiate rockfall mitigation measures along Kamehameha Highway (Route 83) at Waimea Bay (milepost 5.4 to milepost 5.52).

Neighborhood(s): North Shore

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

Project Sponsor: State of Hawaii (FHWA Funded)

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

FOR INFORMATION ONLY

| Phase | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | Funding Category |
|--------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|
| | 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) | |
| PREROW | 0 | 0 | 0 | 50 | 40 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NHS |
| ROW | 0 | 0 | 0 | 0 | 0 | 0 | 450 | 360 | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NHS |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9,500 | 7,600 | 1,900 | 0 | 0 | 0 | NHS |

OS57 Kamehameha Highway, Rockfall Protection, Waimea Bay (Sunset Beach Side)



Project Description:

Install rockfall mitigation measures along Kamehameha Highway (Route 83) at Waimea Bay, from milepost 5.63 to milepost 5.9 (Sunset Beach side).

Neighborhood(s): North Shore

Estimated Total Project Cost: \$8,000,000
(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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 | 0 | 0 | 0 | 7,500 | 6,000 | 1,500 | NHS |

OS58 Kamehameha Highway, Safety Improvements, Kahana Valley Road to Kaaawa Bridge



Project Description:

Install milled rumble strips on centerline and shoulders, check superelevation along entire segment, and install pavement markings, striping, and signage on Kamehameha Highway (Route 83) from Kahana Valley Road to Kaaawa Bridge.

Neighborhood(s): Koolauloa

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

Project Sponsor: State of Hawaii (FHWA Funded)

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

| Phase | FFY 2011-2014 | | | | | | | | | | | | FOR INFORMATION ONLY | | | | | | Funding Category | |
|-------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|------|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | | |
| | 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 | 1,300 | 1,170 | 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | HSIP |

OS59 Kamehameha Highway, Safety Improvements, Vicinity of Makao Road to the Vicinity of Haleaha Road



Project Description:

Extend paved shoulder two feet and extend drainage culverts and headwalls. Install milled centerline and shoulder line rumble strips, pavement markings, and signage along Kamehameha Highway (Route 83) from the vicinity of Makao Road to the vicinity of Haleaha Road.

Neighborhood(s): Koolauloa

Estimated Total Project Cost: \$1,500,000
(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | | |
| | 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 | 1,200 | 1,080 | 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | HSIP |

OS60 Kamehameha Highway, Safety Improvements, Vicinity of Pohuehue Road to Waikane Valley Road



Project Description:

Install milled rumble strips on centerline and shoulders, assess superelevation (to determine treatment) along entire segment, widen shoulders, improve drainage, and install guardrail, end treatments, pavement markings, and signage along Kamehameha Highway (Route 83) from the vicinity of Pohuehue Road (milepost 28.9) to Waikane Valley Road (milepost 33.8).

Neighborhood(s): Koolauloa, Kahaluu

Estimated Total Project Cost: \$1,200,000
(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 2011 | | | | | | FFY 2012 | | | | | | FFY 2013 | | | | | | FFY 2014 | | | | | | FOR INFORMATION ONLY | | | | | | Funding Category |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|--|--|--|--|--|------------------|
| | Total | | Federal | Local | | | | | | | |
| | (x\$1000) | | | | | | | |
| DES | 200 | 180 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | HSIP | | | | | | |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,000 | 900 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | HSIP | | | | | | |

OS61 Kamehameha Highway, Safety Improvements, Vicinity of Pualalea Street to Malaekahana and Vicinity of Laie-Maloo Bridge to Hauula Bridge



Project Description:

Install milled rumble strips on centerline and shoulders, check superelevation along entire segment and install pavement markings, striping and signage on Kamehameha Highway (Route 83) from the vicinity of Pualalea Street to Malaekahana and from the vicinity of Laie-Maloo Bridge to Hauula Bridge.

Neighborhood(s): Koolauloa

Estimated Total Project Cost: \$1,600,000
(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 | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category | |
|-------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|------|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | | |
| | 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 | 1,460 | 1,314 | 146 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | HSIP |

OS62 Kamehameha Highway, Safety Improvements, Vicinity of Waikane Valley Road to Kahekili Highway



Project Description:

Install milled rumble strips on centerline and shoulders, check superelevation along entire segment, and install pavement markings, striping, and signage on Kamehameha Highway (Route 83) from the vicinity of Waikane Valley Road to Kahekili Highway.

Neighborhood(s): Kahaluu

Estimated Total Project Cost: \$2,000,000
(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | | |
| | 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 | 1,574 | 1,417 | 157 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | HSIP |

OS63 Kamehameha Highway, Shoreline Protection, Vicinity of Hauula



Project Description:

Construct shoreline protection measures for areas in Hauula along Kamehameha Highway (Route 83) susceptible to ocean erosion due to high wave action.

Neighborhood(s): Koolauloa

Estimated Total Project Cost: \$6,100,000
(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 | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category |
|-------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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 | 500 | 0 | 500 | 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 | 0 | 0 | 5,600 | 4,480 | 1,120 | NHS |

OS64 Kamehameha Highway, Shoreline Protection, Vicinity of Kaaawa



Project Description:

Construct shoreline protection measures for areas in Kaaawa along Kamehameha Highway (Route 83) susceptible to ocean erosion due to high wave action.

Neighborhood(s): Koolauloa

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

Project Sponsor: State of Hawaii (FHWA Funded)

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

| Phase | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FOR INFORMATION ONLY | | | | | | Funding Category | |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|---------|----------|-------|---------|-------|------------------|------------|
| | Total | Federal | Local | FFY 2015 | | FFY 2016 | | | | | |
| | (x\$1000) | Total | Federal | Local | Total | Federal | Local | | |
| DES | 840 | 0 | 840 | 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 | 0 | 0 | 0 | 10,400 | 8,320 | 2,080 | NHS |

OS65 Kamehameha Highway, 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.

Neighborhood(s): Koolauloa

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 | FOR INFORMATION ONLY | | | | | | | | | | | | Funding Category | | | | | | |
|-------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | | FFY 2015 | | | FFY 2016 | | |
| | 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 | 6,000 | 4,800 | 1,200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NHS |

OS66 Kamehameha Highway, Traffic Improvements, Kahaluu to Waimea Bay (Kahekili Highway [Route 83] to Kaalaea Stream)



Project Description:

Construct roadway geometric adjustments to improve safety and construct possible intersection improvements along Kamehameha Highway (Route 83), from Kahekili Highway to Kaalaea Stream. Replace two bridge structures.

Neighborhood(s): Kahaluu, Koolauloa, North Shore

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 | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category | |
|-------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|-----|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | | |
| | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,040 | 832 | 208 | NHS |

OS67 Kamehameha Highway, 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.

Neighborhood(s): North Shore

Estimated Total Project Cost: \$6,500,000
 (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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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 | 6,000 | 4,800 | 1,200 | 0 | 0 | 0 | 0 | 0 | 0 | NHS |

OS68 Kamehameha Highway, Widening, Lanikuhana Avenue (Route 7042) to Ka Uka Boulevard (Route 7160)



Project Description:

Widen Kamehameha Highway (Route 99) to four-lanes with shoulders for bike paths and disabled vehicles.

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

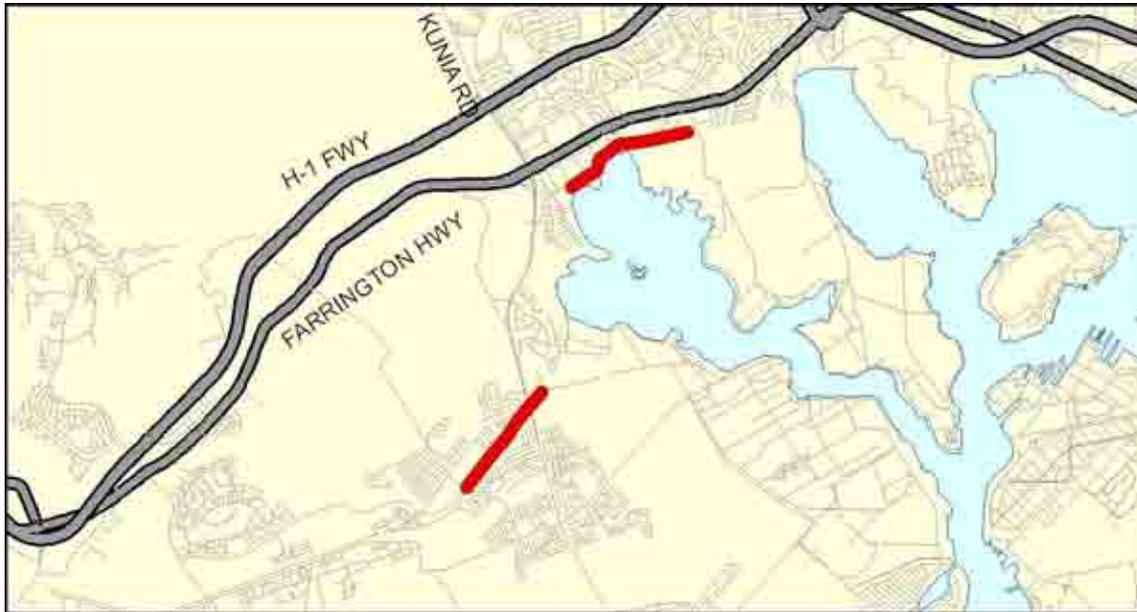
Estimated Total Project Cost: \$130,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

| Phase | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FOR INFORMATION ONLY | | | | | | Funding Category |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|---------|-------|----------|---------|-------|------------------|
| | Total | Federal | Local | FFY 2015 | | | FFY 2016 | | | |
| | (x\$1000) | Total | Federal | Local | Total | Federal | Local | |
| DES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,300 | 3,440 | 860 | NHS |

OS69 Leeward Bikeway, Phase I, Waipio Point Access Road to Hawaiian Railway Society Train Station



Project Description:

Improve the bikeway/bike path from the Waipio Point Access Road to the northeast end of the existing West Loch Bikepath and from the southwest end of the existing West Loch Bikepath to the Hawaiian Railway Society Train Station.

Neighborhood(s): Waipahu, Ewa

Estimated Total Project Cost: \$16,160,000
(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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 | 4,160 | 3,328 | 832 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Enhance |

OS70 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.

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

Estimated Total Project Cost: \$15,800,000
(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 | | | | | | | | | | FOR INFORMATION ONLY | | | | | | | | | Funding Category |
|--------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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 | 2,500 | 2,000 | 500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Enhance |
| PREROW | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 80 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Enhance |
| ROW | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,650 | 2,120 | 530 | 0 | 0 | 0 | 0 | 0 | 0 | Enhance |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,718 | 2,974 | 744 | Enhance |

OS71 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.

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$5,800,000
(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

FOR INFORMATION ONLY

| Phase | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | Funding Category |
|-------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|
| | 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 | 5,720 | 5,148 | 572 | 0 | 0 | 0 | 0 | 0 | 0 | NHS |

OS72 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).

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

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 | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category | |
|-------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|-----|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | | |
| | 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 | 5,616 | 4,493 | 1,123 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NHS |

OS73 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).

Neighborhood(s): Aiea

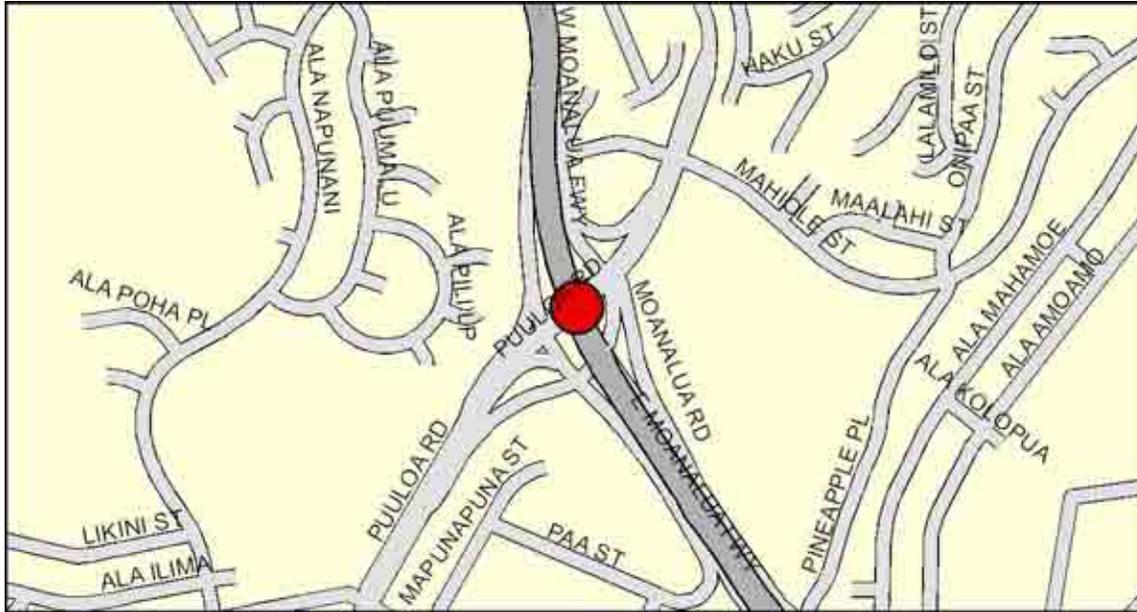
Estimated Total Project Cost: \$7,700,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

| Phase | FOR INFORMATION ONLY | | | | | | | | | Funding Category | | | | | | | | | | |
|-------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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 | 2,250 | 1,800 | 450 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NHS |

OS74 Moanalua Freeway (Route H-201), Seismic Retrofit, Puuloa Interchange, Ramp "A"



Project Description:

Retrofit interchange structure to meet current seismic standards.

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

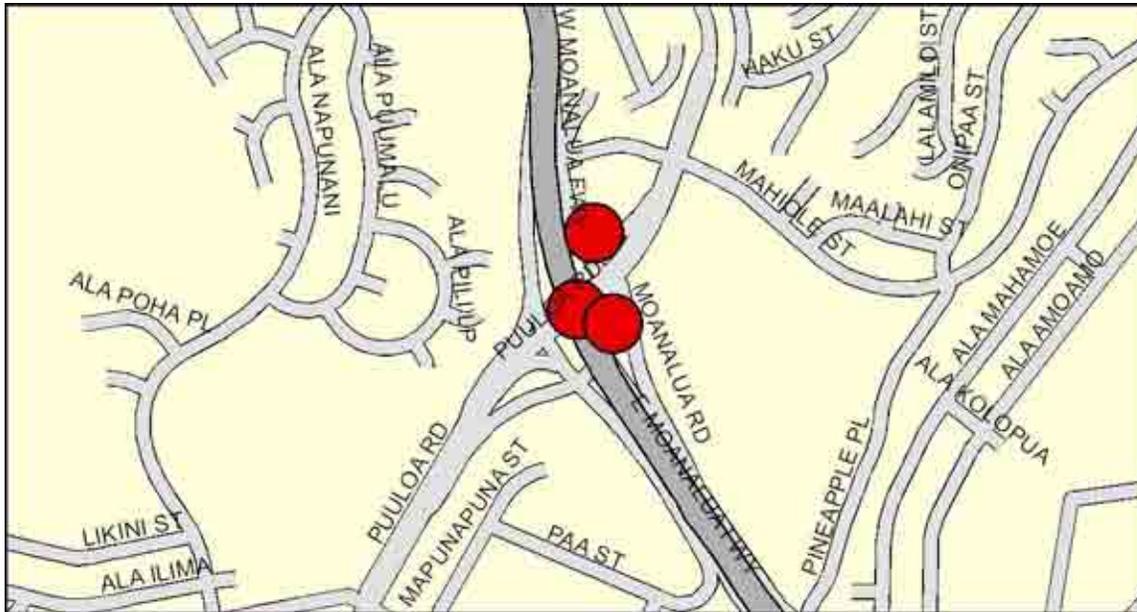
Estimated Total Project Cost: \$4,700,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

| Phase | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FOR INFORMATION ONLY | | | | | | Funding Category |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|---------|----------|-------|---------|-------|------------------|
| | Total | Federal | Local | FFY 2015 | | FFY 2016 | | | | |
| | (x\$1000) | Total | Federal | Local | Total | Federal | Local | |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,800 | 3,040 | 760 | 0 | 0 | 0 | Bridge On |

OS75 Moanalua Freeway (Route H-201), Seismic Retrofit, Puuloa Separation



Project Description:

Retrofit interchange structure to meet current seismic standards.

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

Estimated Total Project Cost: \$7,300,000
(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FOR INFORMATION ONLY | | | | | | Funding Category |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|---------|----------|-------|---------|-------|------------------|
| | Total | Federal | Local | FFY 2015 | | FFY 2016 | | | | |
| | (x\$1000) | Total | Federal | Local | Total | Federal | Local | |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,200 | 4,960 | 1,240 | 0 | 0 | 0 | Bridge On |

OS76 North-South Road (Kualakai Parkway) (Route 8930), Kapolei Parkway (Route 8920) to Vicinity of the H-1 Freeway, Phase II



Project Description:

Phase II involves widening North South Road (Kualakai Parkway) to 6 lanes from Kapolei Parkway to the H-1 Freeway.

Phase IB consisted of constructing the interim roadway from Kapolei Parkway to Farrington Highway. Phase IC involved constructing the roadway from Farrington Highway to the H-1 Freeway, including a full-diamond interchange at the H-1 Freeway.

Neighborhood(s): Makakilo-Kapolei-Honokai Hale

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

Project Sponsor: State of Hawaii (FHWA Funded)

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

| Phase | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FOR INFORMATION ONLY | | | | | | Funding Category |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|---------|-------|----------|---------|-------|------------------|
| | Total | Federal | Local | FFY 2015 | | | FFY 2016 | | | |
| | (x\$1000) | Total | Federal | Local | Total | Federal | Local | |
| DES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 700 | 560 | 140 | STP Flex |

OS77 Pali Highway (Route 61), Rockfall Protection Between the Two Tunnels



Project Description:

Reduce possible rockfall and/or landslides along Pali Highway between the two Pali Highway tunnels.

Neighborhood(s): Nuuanu-Punchbowl

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

Project Sponsor: State of Hawaii (FHWA Funded)

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

| Phase | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category | | | |
|---------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|-------|-----|-----|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | | | | |
| | 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/DES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,300 | 1,040 | 260 | NHS |

OS78 Pali Highway (Route 61), Rockfall Protection, Kailua Side of Kailua-Bound Tunnels



Project Description:

Reduce possible rockfall and/or landslides along Pali Highway on the Kailua side of the Kailua-bound tunnels.

Neighborhood(s): Kaneohe, Kailua

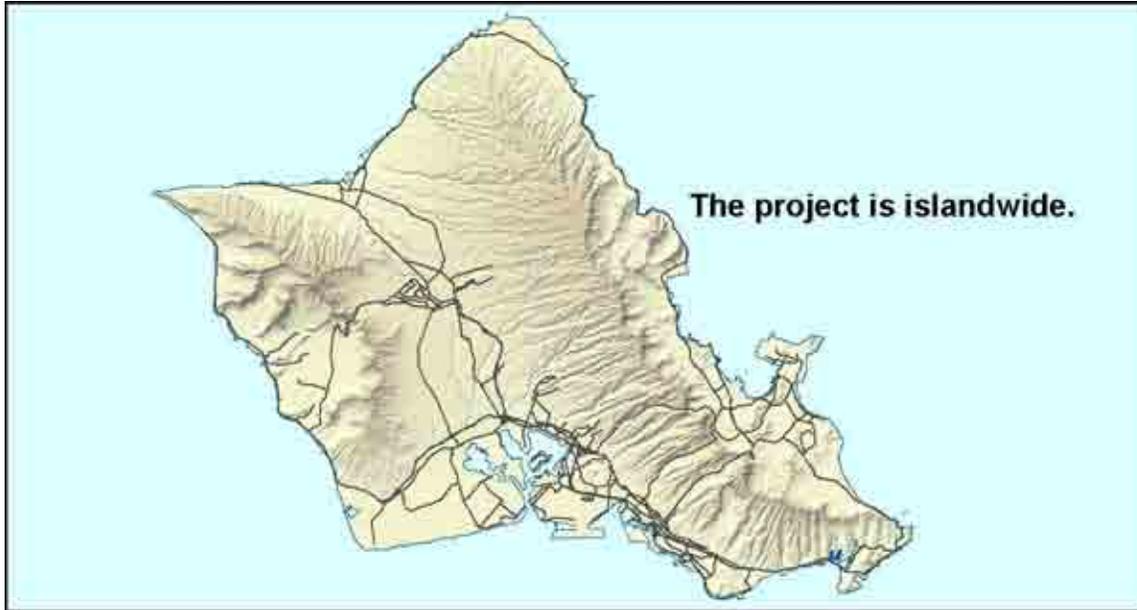
Estimated Total Project Cost: \$26,800,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

| Phase | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category |
|---------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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/DES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,800 | 1,440 | 360 | 0 | 0 | 0 | NHS |

OS79 Recreational Trails Program



Project Description:

To develop and maintain recreational trails and trail-related facilities on Oahu for both non-motorized and motorized recreational trail uses.

Neighborhood(s): Islandwide

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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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 |



Project Description:

Provide qualified users with a State-subsidized van in order to encourage ridesharing and reduce congestion during the peak commuting hours.

Neighborhood(s): Islandwide

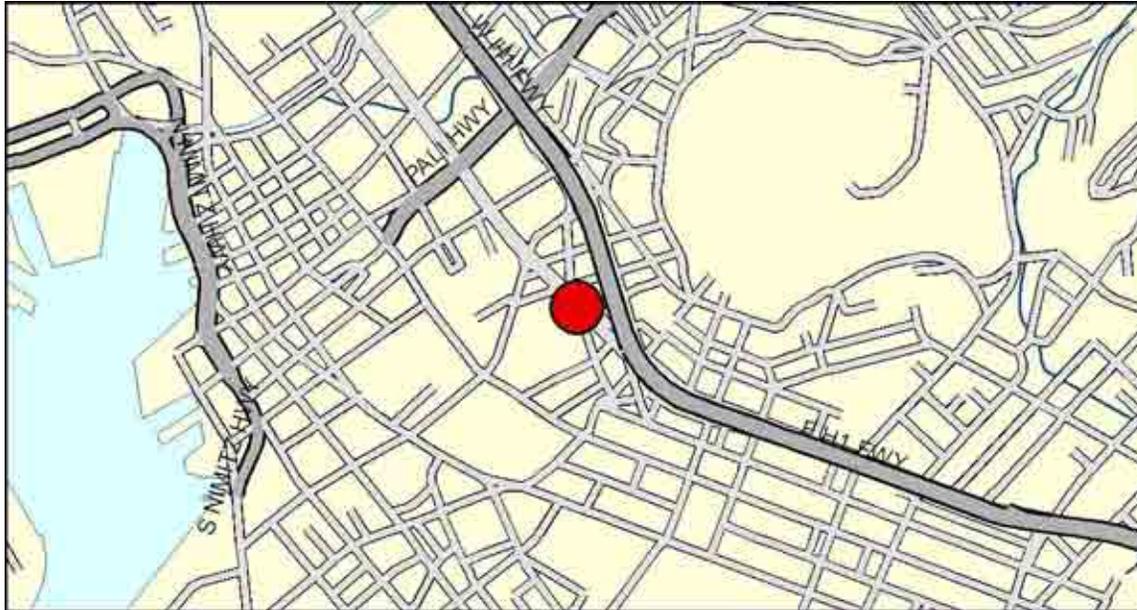
Estimated Total Project Cost: \$26,100,000
 (May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

| Phase | FFY 2011 | | | | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FOR INFORMATION ONLY | | | | | | Funding Category | |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|-----------|-----------|-----------|-----------|-----------|------------------|--|
| | Total | | Federal | Local | FFY 2015 | | | FFY 2016 | | | |
| | (x\$1000) | (x\$1000) | (x\$1000) | (x\$1000) | (x\$1000) | (x\$1000) | | |
| OPR | 980 | 980 | 0 | 838 | 838 | 0 | 685 | 685 | 0 | 521 | 521 | 0 | 345 | 345 | 0 | 156 | 156 | 0 | | | | CMAQ | |
| OPR | 1,920 | 1,920 | 0 | 2,062 | 2,062 | 0 | 2,215 | 2,215 | 0 | 2,379 | 2,379 | 0 | 2,555 | 2,555 | 0 | 2,744 | 2,744 | 0 | | | | FHWA X-fer | |

OS81 Vineyard Boulevard (Route 98), Improvements, Vicinity of Queen's Medical Center



Project Description:

Install a right-turn lane from Lusitana Street to the Vineyard Boulevard eastbound freeway on-ramp.

Neighborhood(s): Downtown

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

Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation (Queen's Medical Center)

| Phase | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category | |
|-------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|------------|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | | |
| | 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 | 30 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| CON | 11,000 | 0 | 11,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |

OC1 Alapai Transit Center Multi-Use Path



Project Description:

Construct a multi-use path between Alapai Street and Kealamakai Street. This will serve as a connection of the multi-use path from Ewa of Alapai to Hotel Street, and will provide a path for pedestrians and bicyclists.

Neighborhood(s): Ala Moana-Kakaako

Estimated Total Project Cost: \$810,000
 (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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | | |
| | 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 | 810 | 600 | 210 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP Flex |

OC2 Alapai Transportation Management Center



Project Description:

The transportation management center will be a joint communication center to be built behind the Alapai Transit Center. The joint transportation management center will combine transportation management with City, State, and emergency response agencies. The City's Emergency Operations Center will also be relocated to the joint traffic management center. This will enhance agency cooperation and coordination during emergency responses.

Neighborhood(s): Ala Moana-Kakaako

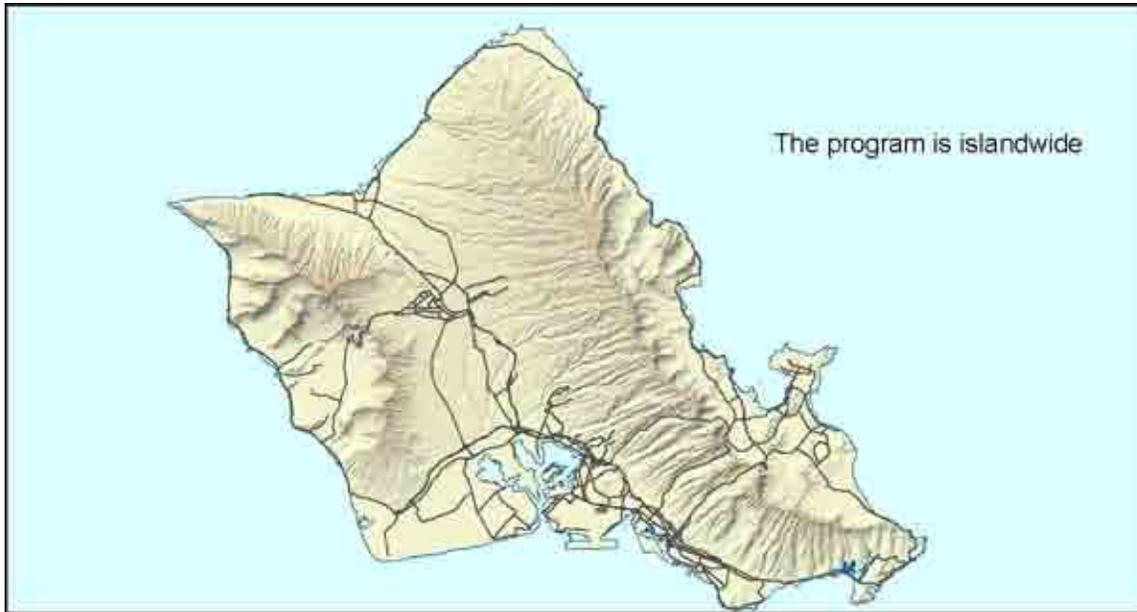
Estimated Total Project Cost: \$140,831,000
 (May include project costs outside of the 4-year TIP and 2 informational years.)

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

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

| Phase | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FOR INFORMATION ONLY | | | | | | Funding Category |
|-------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|
| | | | | | | | | | | | | | FFY 2015 | | | FFY 2016 | | | |
| | 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 | 3,702 | 2,672 | 1,030 | 3,610 | 2,880 | 730 | 1,000 | 0 | 1,000 | 1,000 | 0 | 1,000 | 5,692 | 0 | 5,692 | 2,049 | 0 | 2,049 | STP Flex |
| CON | 13,375 | 0 | 13,375 | 21,188 | 6,480 | 14,708 | 20,827 | 8,480 | 12,347 | 21,187 | 7,120 | 14,067 | 23,601 | 10,760 | 12,841 | 23,600 | 10,760 | 12,840 | STP Flex |

OC3 Bicycle Projects



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. Project locations are indicated below.

Neighborhood(s): Islandwide

Estimated Total Project Cost: \$14,111,000
(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | | |
| | 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) | | |
| a. Kalaheo Avenue | | | | | | | | | | | | | | | | | | | | |
| PLN | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| DES | 148 | 0 | 148 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP Flex |
| ROW | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| CON | 2,106 | 1,556 | 550 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP Flex |
| EQP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| b. University Avenue, Varsity Place, Makakilo Loop, Hamakua Drive, Maile to Waianae (Valley Route), and Young Street | | | | | | | | | | | | | | | | | | | | |
| PLN | 0 | 0 | 0 | 100 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| DES | 0 | 0 | 0 | 1,000 | 800 | 200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP Flex |
| ROW | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| CON | 0 | 0 | 0 | 600 | 0 | 600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| c. University Avenue, Varsity Place, Dole Street | | | | | | | | | | | | | | | | | | | | |
| PLN | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| DES | 0 | 0 | 0 | 0 | 0 | 0 | 200 | 160 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP Flex |
| ROW | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |

OC3 Bicycle Projects

| | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------------------------|---|---|---|---|---|---|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|---|---|------------|
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 1,550 | 1,200 | 350 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP Flex |
| <i>d. Hamakua Drive, Young Street</i> | | | | | | | | | | | | | | | | | | | | | |
| PLN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 100 | 0 | 0 | 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 | 0 | 0 | Local Only |
| ROW | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,400 | 1,880 | 520 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP Flex |
| <i>e. Maile to Waianae (Valley Route), Laie Loop</i> | | | | | | | | | | | | | | | | | | | | | |
| PLN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | Local Only |
| DES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 40 | 10 | 0 | 0 | 0 | 0 | 0 | STP Flex |
| ROW | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | Local Only |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,600 | 2,040 | 560 | 0 | 0 | 0 | 0 | 0 | STP Flex |
| <i>f. Makakilo Loop, Dole Street</i> | | | | | | | | | | | | | | | | | | | | | |
| PLN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 100 | 0 | 0 | Local Only |
| DES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 300 | 0 | 300 | 0 | 0 | Local Only |
| ROW | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 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 | 0 | 0 | STP Flex |

OC4 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.

Neighborhood(s): Various Locations

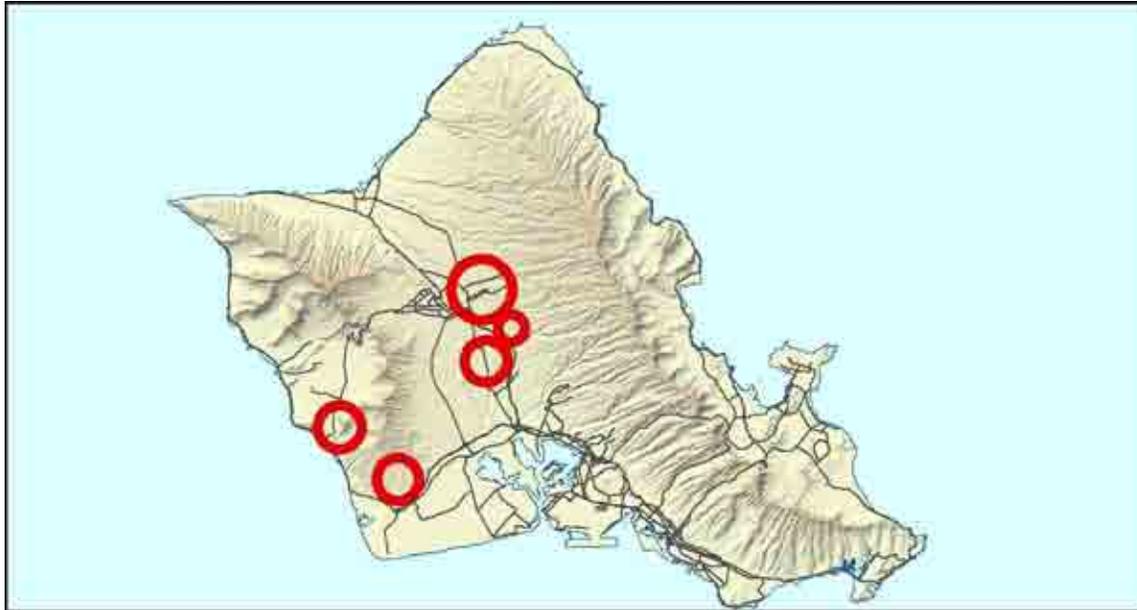
Estimated Total Project Cost: \$5,800,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

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

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

| Phase | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category |
|-------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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 | 900 | 720 | 180 | 900 | 720 | 180 | 1,000 | 800 | 200 | 1,000 | 800 | 200 | 1,000 | 800 | 200 | 1,000 | 800 | 200 | Bridge Off |

OC5 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. Project locations are indicated below.

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$15,016,000

(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:

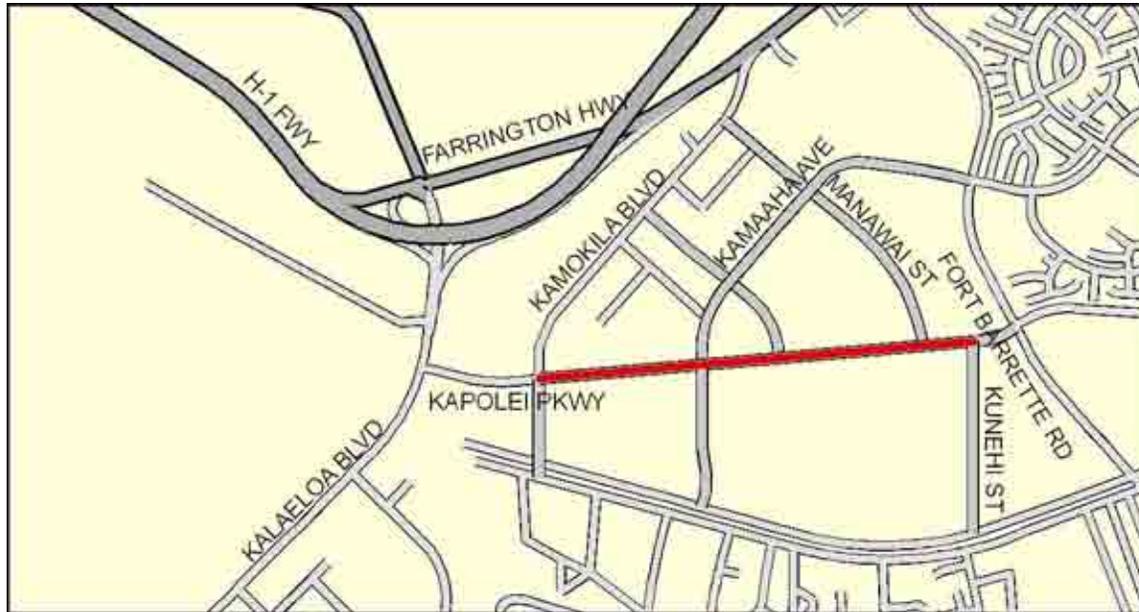
City Department of Transportation Services

| Phase | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category |
|---------------------------------------------------------------------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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 13: Mililani Mauka | | | | | | | | | | | | | | | | | | | |
| DES | 300 | 240 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP Flex |
| CON | 3,180 | 2,400 | 780 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP Flex |
| EQP | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| Phase 14: Mililani Town (Part 1) | | | | | | | | | | | | | | | | | | | |
| DES | 0 | 0 | 0 | 375 | 300 | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP Flex |
| EQP | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| Phase 15: Mililani Town (Part 2) and Expand Fiber to Wahiawa | | | | | | | | | | | | | | | | | | | |
| DES | 0 | 0 | 0 | 0 | 0 | 0 | 375 | 300 | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP Flex |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 3,180 | 2,400 | 780 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP Flex |
| EQP | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| Phase 16: Wahiawa Town Area | | | | | | | | | | | | | | | | | | | |
| DES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 380 | 300 | 80 | 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 | Local Only |
| Phase 17: Makakilo Area and Extend Fiber towards Nanakuli | | | | | | | | | | | | | | | | | | | |

OC5 Computerized Traffic Control System

| | | | | | | | | | | | | | | | | | | |
|----------------------------------------------|---|---|---|---|---|---|---|---|---|---|---|-------|-------|-----|-------|-------|-----|------------|
| DES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 380 | 300 | 80 | 0 | 0 | 0 | STP Flex |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,230 | 2,400 | 830 | 0 | 0 | 0 | STP Flex |
| EQP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | Local Only |
| <i>Phase 18: Location Not Yet Determined</i> | | | | | | | | | | | | | | | | | | |
| DES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 380 | 300 | 80 | STP Flex |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,230 | 2,400 | 830 | STP Flex |
| EQP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | Local Only |

OC6 Kapolei Parkway (Route 8920), Kunehi Street to Kamokila Boulevard



Project Description:

Construct Kapolei Parkway between Kamokila Boulevard and Kunehi Street. Kamokila Boulevard to Kamaaha Avenue will be federally funded. The segment from Kamaaha Avenue to Kunehi Street will be locally funded.

Neighborhood(s): Makakilo-Kapolei-Honokai Hale

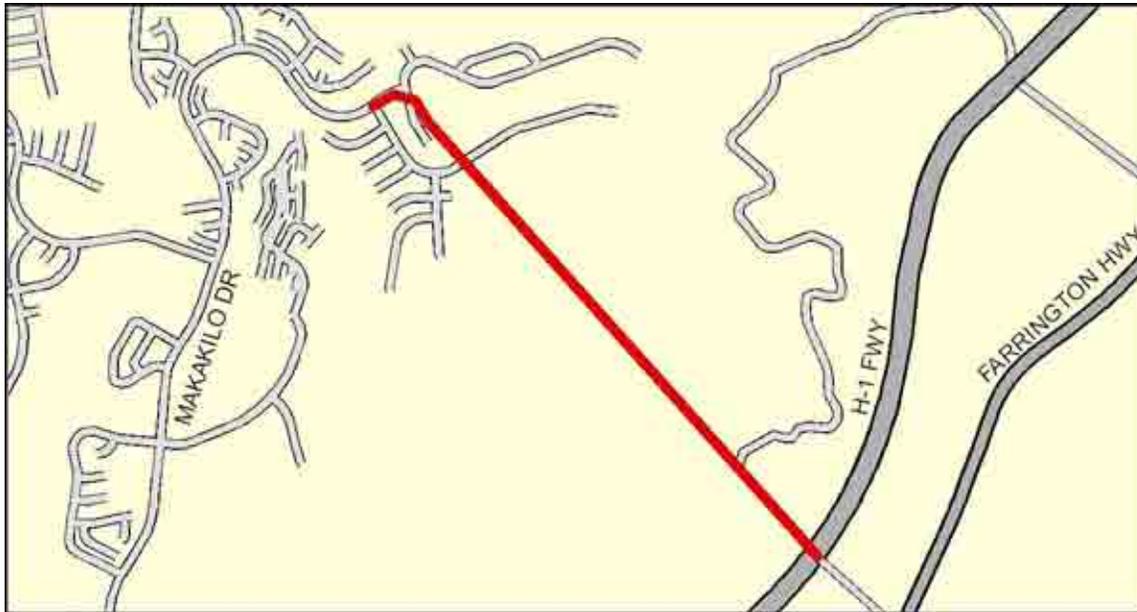
Estimated Total Project Cost: \$22,080,000
 (May include project costs outside of the 4-year TIP and 2 informational years.)

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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | | FFY 2015 | | | FFY 2016 | | |
| | 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 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| CON | 4,400 | 0 | 4,400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| CON | 14,149 | 7,754 | 6,395 | 3,530 | 2,640 | 890 | 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.

Neighborhood(s): Makakilo-Kapolei-Honokai Hale

Estimated Total Project Cost: \$85,500,000
(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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 1</i> | | | | | | | | | | | | | | | | | | | |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22,550 | 0 | 22,550 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| <i>Phase 2</i> | | | | | | | | | | | | | | | | | | | |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47,410 | 37,928 | 9,482 | STP Flex |

OC8 Salt Lake Boulevard (Route 7311), Widening, Maluna Street to Ala Lilikoi Street



Project Description:

Widen Salt Lake Boulevard from two to six lanes, between Maluna Street and Ala Lilikoi Street.

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

Estimated Total Project Cost: \$66,000,000
(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

FOR INFORMATION ONLY

| Phase | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | Funding Category |
|-------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|
| | 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 | 22,000 | 0 | 22,000 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22,000 | 17,600 | 4,400 | 22,000 | 17,600 | 4,400 | STP Flex |

OC9 Seismic Bridge Retrofit

Sites are not yet determined.

Project Description:

Research various bridge plans and files, do site inspections, conduct seismic evaluations, identify alternate schemes for seismic retrofit, and construct retrofit measures. The bridges have not yet been determined.

Neighborhood(s): Various Locations

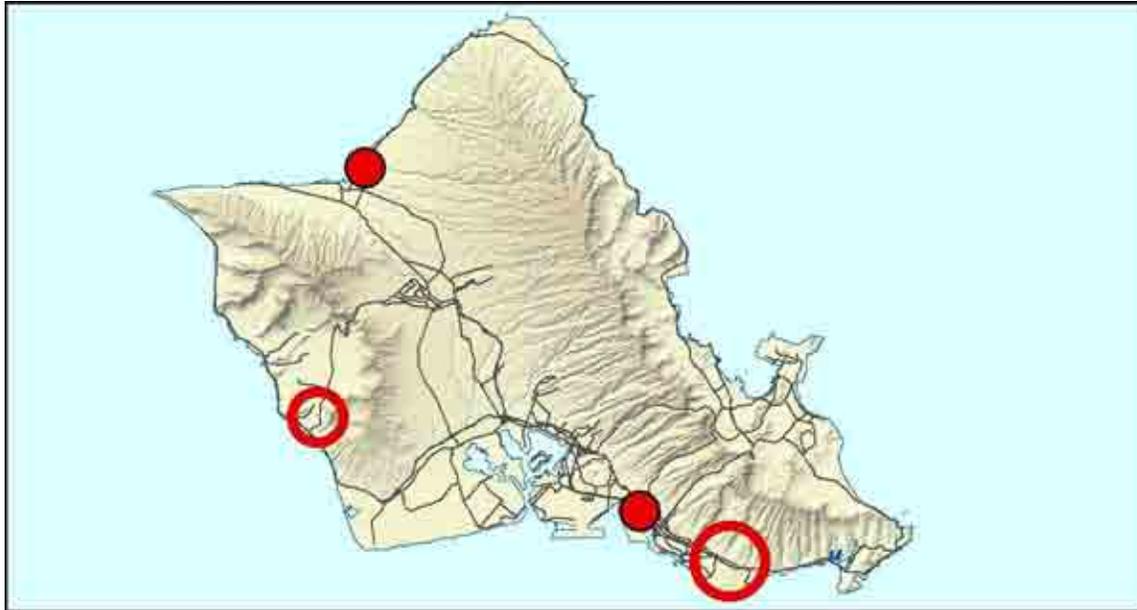
Estimated Total Project Cost: \$2,700,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

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

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

| Phase | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FOR INFORMATION ONLY | | | | | | Funding Category |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|---------|-------|----------|---------|-------|------------------|
| | Total | Federal | Local | FFY 2015 | | | FFY 2016 | | | |
| | (x\$1000) | Total | Federal | Local | Total | Federal | Local | |
| DES | 0 | 0 | 0 | 600 | 480 | 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 600 | 480 | 120 | Bridge Off |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,500 | 1,200 | 300 | 0 | 0 | 0 | 0 | 0 | 0 | Bridge Off |

OC10 Traffic Improvements at Various Locations



Project Description:

Provide traffic congestion relief and improve traffic safety at locations such as Dillingham Boulevard and Waiakamilo Road, Haleiwa Road and Kamehameha Highway, Palolo, and Nanakuli.

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$12,288,000
(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FOR INFORMATION ONLY | | | | | | Funding Category |
|-------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|---------|-------|----------|---------|-------|------------------|
| | Total | Federal | Local | FFY 2015 | | | FFY 2016 | | | |
| | (x\$1000) | Total | Federal | Local | Total | Federal | Local | |
| <i>a. Location to be Determined</i> | | | | | | | | | | | | | | | | | | | |
| PLN | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| DES | 447 | 0 | 447 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| ROW | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| CON | 1,548 | 998 | 550 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP Flex |
| EQP | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| <i>b. Location to be Determined</i> | | | | | | | | | | | | | | | | | | | |
| PLN | 0 | 0 | 0 | 50 | 0 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| DES | 0 | 0 | 0 | 400 | 0 | 400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| ROW | 0 | 0 | 0 | 50 | 0 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| CON | 0 | 0 | 0 | 970 | 0 | 970 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP Flex |
| <i>c. Location to be Determined</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 | 1,930 | 960 | 970 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP Flex |

OC10 Traffic Improvements at Various Locations

d. Location to be Determined

| | | | | | | | | | | | | | | | | | | |
|-----|---|---|---|---|---|---|---|---|-----|---|-----|---|---|---|---|---|---|------------|
| PLN | 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 | 400 | 0 | 400 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| ROW | 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 | 970 | 0 | 970 | 0 | 0 | 0 | 0 | 0 | 0 | STP Flex |

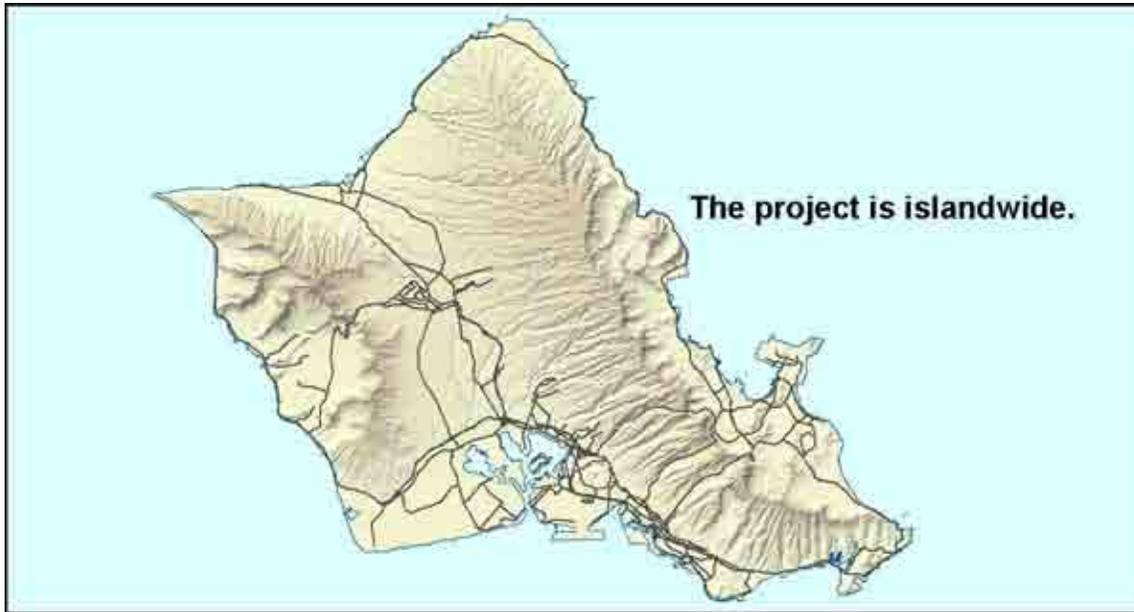
e. Location to be Determined

| | | | | | | | | | | | | | | | | | | |
|-----|---|---|---|---|---|---|---|---|---|---|---|-------|-----|-----|---|---|---|------------|
| PLN | 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 | 400 | 0 | 400 | 0 | 0 | 0 | Local Only |
| ROW | 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 | 1,930 | 960 | 970 | 0 | 0 | 0 | STP Flex |

f. Location to be Determined

| | | | | | | | | | | | | | | | | | | |
|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|-----|-----|------------|
| PLN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 0 | 50 | Local Only |
| DES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 400 | 0 | 400 | Local Only |
| ROW | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 0 | 50 | Local Only |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,930 | 960 | 970 | STP Flex |

OC11 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.

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$20,306,000
(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 2011 | | | | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FOR INFORMATION ONLY | | | | | | Funding Category | |
|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|-----------|-----------|-----------|-----------|-----------|------------------|------------|
| | Total | | Federal | Local | FFY 2015 | | | FFY 2016 | | | |
| | (x\$1000) | (x\$1000) | (x\$1000) | (x\$1000) | (x\$1000) | (x\$1000) | | (x\$1000) |
| Phase 13 | | | | | | | | | | | | | | | | | | | | | | | |
| CON | 3,145 | 2,500 | 645 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP Flex |
| EQP | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| Phase 14 | | | | | | | | | | | | | | | | | | | | | | | |
| PLN | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| DES | 250 | 200 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP Flex |
| CON | 0 | 0 | 0 | 3,145 | 2,500 | 645 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP Flex |
| EQP | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| Phase 15 | | | | | | | | | | | | | | | | | | | | | | | |
| PLN | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| DES | 0 | 0 | 0 | 250 | 200 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP Flex |

OC11 Traffic Signals at Various Locations

| | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|-------|-------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-----|---|------------|
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 3,126 | 2,500 | 626 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP Flex |
| EQP | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| <i>Phase 16</i> | | | | | | | | | | | | | | | | | | | | |
| PLN | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| DES | 0 | 0 | 0 | 0 | 0 | 0 | 250 | 200 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP Flex |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,126 | 2,500 | 626 | 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 17</i> | | | | | | | | | | | | | | | | | | | | |
| PLN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| DES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 250 | 200 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP Flex |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,126 | 2,500 | 626 | 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 18</i> | | | | | | | | | | | | | | | | | | | | |
| PLN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | Local Only |
| DES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 250 | 200 | 50 | 0 | 0 | 0 | 0 | STP Flex |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,126 | 2,500 | 626 | 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 19</i> | | | | | | | | | | | | | | | | | | | | |
| PLN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | Local Only |
| DES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 250 | 200 | 50 | 0 | STP Flex |

OC12 Upgrade Pedestrian Signals at Various Locations

Sites are not yet determined.

Project Description:

Install and upgrade pedestrian signals islandwide to the new countdown pedestrian signals. The project will also upgrade existing pedestrian push buttons to ADA-compliant push buttons.

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$1,050,000
(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FOR INFORMATION ONLY | | | | | | Funding Category |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|---------|-------|----------|---------|-------|------------------|
| | Total | Federal | Local | FFY 2015 | | | FFY 2016 | | | |
| | (x\$1000) | Total | Federal | Local | Total | Federal | Local | |
| DES | 30 | 0 | 30 | 30 | 0 | 30 | 10 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| CON | 480 | 360 | 120 | 400 | 0 | 400 | 100 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP Flex |

OC13 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.

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$4,293,000
(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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 | 147 | 73 | 74 | 155 | 77 | 78 | 163 | 81 | 82 | 171 | 85 | 86 | 179 | 89 | 90 | 187 | 93 | 94 | \$5316 |
| OPR | 378 | 189 | 189 | 397 | 198 | 199 | 417 | 208 | 209 | 437 | 218 | 219 | 457 | 228 | 229 | 477 | 238 | 239 | \$5317 |

OC14 Bus and Handi-Van Acquisition Program



Project Description:

Purchase replacement transit buses and Handi-Van vehicles.
 FFY 2011: 35 <30' vehicles + 21-40' buses + 10 >40' buses.
 FFY 2012: 30 <30' vehicles + 16-40' buses + 8 >40' buses.
 FFY 2013: 30 <30' vehicles + 12-40' buses + 9-60' buses.
 FFY 2014: 25 <30' vehicles + 1-30' bus + 26-40' buses + 1 >40' buses.
 FFY 2015: 30 <30' vehicles + 15-40' buses + 11-45' buses.
 FFY 2016: 30 <30' vehicles + 9-30' buses + 14-40' buses + 5-45' buses.

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$113,923,000
 (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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FOR INFORMATION ONLY | | | | | | Funding Category |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|---------|--------|----------|---------|--------|------------------|
| | Total | Federal | Local | FFY 2015 | | | FFY 2016 | | | |
| | (x\$1000) | Total | Federal | Local | Total | Federal | Local | |
| EOP | 12,740 | 7,987 | 4,753 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$5307/\$5340 |
| EOP | 1,593 | 1,157 | 436 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$5309 BC |
| EOP | 3,300 | 2,138 | 1,162 | 2,635 | 2,168 | 467 | 2,812 | 2,183 | 629 | 2,793 | 2,198 | 595 | 3,001 | 2,214 | 787 | 3,094 | 2,229 | 865 | \$5309 FGM |
| EOP | 0 | 0 | 0 | 15,491 | 0 | 15,491 | 15,810 | 0 | 15,810 | 16,326 | 0 | 16,326 | 16,613 | 0 | 16,613 | 17,023 | 0 | 17,023 | Local Only |
| INSP | 104 | 0 | 104 | 111 | 0 | 111 | 115 | 0 | 115 | 119 | 0 | 119 | 123 | 0 | 123 | 120 | 0 | 120 | Local Only |



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 estimated project cost (in year of expenditure dollars) is \$5,163,495,000 (excluding Unallocated Contingency amount of \$184,186,000): ROW = \$125,075,000; PROF SVCS = \$933,589,000; CON = \$3,360,070,000; EQP = \$450,907,000; FINANCE CHARGES = \$290,294,000; REL = \$3,560,000. 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 \$3,372,675,000 in year of expenditure dollars. "PROF SVCS" refers to "Professional Services" and includes all services in FTA Standard Cost Category (SCC) 80: Professional, technical, and management services related to the design and construction of the Project during the preliminary engineering, final design and construction phases. Includes environmental work; design; engineering, and architectural services; auditing; legal services; administration and management by agency staff or outside consultants; professional liability insurance and other non-construction insurance; professional services related to real estate and vehicles.

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$5,163,495,000
(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

OC15 Honolulu High-Capacity Transit Corridor Project

| Phase | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FOR INFORMATION ONLY | | | | | | Funding Category |
|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|---------|---------|----------|---------|---------|------------------|
| | Total | Federal | Local | FFY 2015 | | | FFY 2016 | | | |
| | (x\$1000) | Total | Federal | Local | Total | Federal | Local | |
| HHCTCP | 0 | 0 | 0 | 94,030 | 30,000 | 64,030 | 123,200 | 31,000 | 92,200 | 110,199 | 31,000 | 79,199 | 103,024 | 32,000 | 71,024 | 63,116 | 33,000 | 30,116 | \$5307/\$5340 |
| HHCTCP | 485,000 | 80,000 | 405,000 | 626,970 | 200,000 | 426,970 | 993,800 | 250,000 | 743,800 | 888,801 | 250,000 | 638,801 | 643,976 | 200,000 | 443,976 | 382,884 | 200,000 | 182,884 | \$5309 NS |

OC16 Local Shuttle Service



Project Description:

To maintain and expand shuttle services provided at Kalaeloa homeless shelter sites and the Campbell Industrial Park to address transportation needs of low-income persons working in the Kapolei and Makakilo areas. The current route between the Kalaeloa shelter sites and the Kapolei Transit Center would be maintained, and an additional nighttime route would be established between the Kapolei Transit Center and the Campbell Industrial Park to connect workers with low incomes with swing and graveyard shifts at Campbell job sites.

Neighborhood(s): Makakilo-Kapolei-Honokai Hale

Estimated Total Project Cost: \$894,000
(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FOR INFORMATION ONLY | | | | | | Funding Category |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|-----------|-----------|-----------|-----------|-----------|------------------|
| | Total | Federal | Local | FFY 2015 | | | FFY 2016 | | | |
| | (x\$1000) | (x\$1000) | (x\$1000) | (x\$1000) | (x\$1000) | (x\$1000) | |
| OPR | 152 | 76 | 76 | 160 | 80 | 80 | 168 | 84 | 84 | 176 | 88 | 88 | 192 | 96 | 96 | 208 | 104 | 104 | \$5316 |

OC17 Middle Street Intermodal Center



Project Description:

Design, construct, inspect, and provide relocation funds for Phase 2. Phase 2 is the completion of the Handi-Van parking lot, transit center platform, and bus parking, as well as the parking garage. Transit enhancement elements, such as landscaping, signage, artwork, and bicycle and pedestrian access, are included.

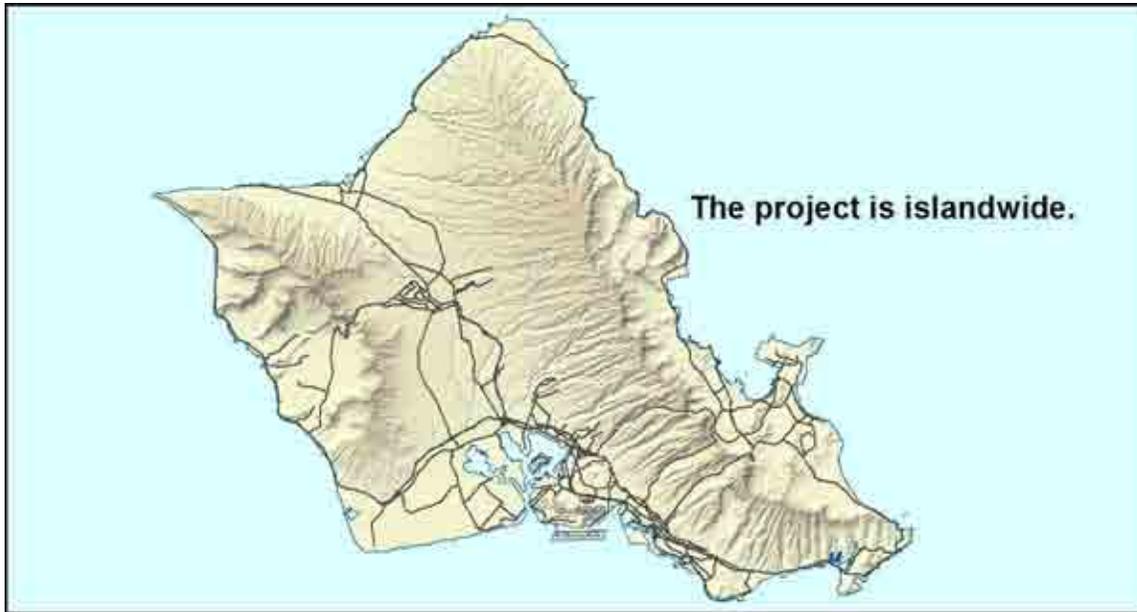
Neighborhood(s): Kalihi-Palama

Estimated Total Project Cost: \$63,672,000
(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FOR INFORMATION ONLY | | | | | | Funding Category |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|---------|-------|----------|---------|-------|------------------|
| | Total | Federal | Local | FFY 2015 | | | FFY 2016 | | | |
| | (x\$1000) | Total | Federal | Local | Total | Federal | Local | |
| PLN | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| DES | 300 | 0 | 300 | 2,500 | 0 | 2,500 | 200 | 0 | 200 | 200 | 0 | 200 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| CON | 0 | 0 | 0 | 1,810 | 1,327 | 483 | 29,322 | 23,458 | 5,864 | 29,336 | 23,469 | 5,867 | 0 | 0 | 0 | 0 | 0 | 0 | \$5309 BC |
| EQP | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |



Project Description:

Improve access to transportation for people with disabilities, seniors, and people with low incomes by coordinating transit and human service transportation. Facilitate partnerships and interagency transportation service agreements for coordinated transportation projects. Develop and manage transportation education and support services such as a transportation provider directory, travel ambassador program, and a bus buddy program.

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$3,319,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

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

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

| Phase | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FOR INFORMATION ONLY | | | | | | Funding Category |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|---------|-------|----------|---------|-------|-------------------|
| | Total | Federal | Local | FFY 2015 | | | FFY 2016 | | | |
| | (x\$1000) | Total | Federal | Local | Total | Federal | Local | |
| EOP | 50 | 40 | 10 | 64 | 51 | 13 | 7 | 5 | 2 | 7 | 5 | 2 | 7 | 5 | 2 | 7 | 5 | 2 | \$5316 |
| EOP | 50 | 40 | 10 | 64 | 51 | 13 | 6 | 5 | 1 | 6 | 5 | 1 | 6 | 5 | 1 | 6 | 5 | 1 | \$5317 |
| OPR | 93 | 74 | 19 | 93 | 74 | 19 | 132 | 106 | 26 | 132 | 106 | 26 | 132 | 106 | 26 | 132 | 106 | 26 | \$5307 JARC-SmUrb |
| OPR | 77 | 62 | 15 | 78 | 63 | 15 | 70 | 56 | 14 | 70 | 56 | 14 | 70 | 56 | 14 | 70 | 56 | 14 | \$5307 NF-SmUrb |
| OPR | 248 | 198 | 50 | 249 | 199 | 50 | 121 | 71 | 50 | 355 | 284 | 71 | 355 | 284 | 71 | 355 | 284 | 71 | \$5316 |
| OPR | 16 | 13 | 3 | 16 | 13 | 3 | 23 | 19 | 4 | 23 | 19 | 4 | 23 | 19 | 4 | 23 | 19 | 4 | \$5317 |

OC19 Preventive Maintenance



Project Description:

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

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$274,757,000
(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FOR INFORMATION ONLY | | | | | | Funding Category |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|---------|----------|--------|---------|--------|------------------|
| | Total | Federal | Local | FFY 2015 | | FFY 2016 | | | | |
| | (x\$1000) | Total | Federal | Local | Total | Federal | Local | |
| OPR | 41,423 | 21,000 | 20,423 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$5307/\$5340 |
| OPR | 0 | 0 | 0 | 43,080 | 0 | 43,080 | 44,803 | 0 | 44,803 | 46,595 | 0 | 46,595 | 48,459 | 0 | 48,459 | 50,397 | 0 | 50,397 | Local Only |

OC20 Transfer to FHWA for Vanpool



Project Description:

Transfer FTA Section 5307 funds to FHWA for the Hawaii Department of Transportation's vanpool program. The funds to be transferred represent the incremental increase in the City and County of Honolulu's Section 5307 apportionment as a result of vanpool operating data reported to FTA's National Transit Database and are used to calculate the City's apportionment.

The State of Hawaii's vanpool program is Project #OS80.

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$12,403,000
(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | |
| | 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 | 1,870 | 1,870 | 0 | 1,945 | 1,945 | 0 | 2,023 | 2,023 | 0 | 2,103 | 2,103 | 0 | 2,187 | 2,187 | 0 | 2,275 | 2,275 | 0 | \$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.

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$457,000
(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 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FOR INFORMATION ONLY | | | | | | Funding Category |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|---------|-------|----------|---------|-------|------------------|
| | Total | Federal | Local | FFY 2015 | | | FFY 2016 | | | |
| | (x\$1000) | Total | Federal | Local | Total | Federal | Local | |
| PLN | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| DES | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| EQP | 455 | 365 | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$5307/\$5340 |

OC22 West Oahu Bus and Handi-Van Maintenance Facility

Site is not yet determined.

Project Description:

Construct a maintenance facility for the bus and handi-van operations in West Oahu. The site is not yet determined. Current bus and handi-van maintenance facilities are at their maximum capacity. A third facility is required to accommodate any future expansion of the bus and handi-van fleet.

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

Estimated Total Project Cost: \$72,562,000
(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 2011 | | | | | | FFY 2012 | | | | | | FFY 2013 | | | | | | FFY 2014 | | | | | | FOR INFORMATION ONLY | | | | | | Funding Category |
|-------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------|--|--|--|--|--|----------------------|--|--|--|--|--|------------------|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | | | | | | | | | | | | | |
| | 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 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | Local Only | | | | | | | | | | | | |
| DES | 0 | 0 | 0 | 1,850 | 0 | 1,850 | 4,200 | 0 | 4,200 | 8,000 | 0 | 8,000 | 1 | 0 | 1 | 0 | 0 | 0 | Local Only | | | | | | | | | | | | |
| ROW | 0 | 0 | 0 | 500 | 0 | 500 | 1,000 | 0 | 1,000 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | Local Only | | | | | | | | | | | | |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 21,500 | 17,200 | 4,300 | 34,500 | 27,600 | 6,900 | \$5309 BC | | | | | | | | | | | | |
| EQP | 0 | 0 | 0 | 0 | 0 | 0 | 1,000 | 0 | 1,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only | | | | | | | | | | | | |
| REL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | Local Only | | | | | | | | | | | | |

OC23 Windward Transit Center

Site is not yet determined.

Project Description:

Construct a transit center in windward Oahu. The site is not yet determined.

Neighborhood(s): Kailua, Kaneohe, Kahaluu

Estimated Total Project Cost: \$3,859,000
(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

FOR INFORMATION ONLY

| Phase | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | | Funding Category | |
|-------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|------------|
| | 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 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| DES | 0 | 0 | 0 | 300 | 0 | 300 | 200 | 0 | 200 | 200 | 0 | 200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| ROW | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 3,000 | 0 | 3,000 | 0 | 0 | 0 | 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 |
| INSP | 0 | 0 | 0 | 0 | 0 | 0 | 150 | 0 | 150 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Local Only |

FUNDING SUMMARY

| | | | | | | | | | | FOR INFORMATION ONLY | | | | | | | | |
|-------------------------------------------------|--------------------|----------------------|--------------------|--------------------|----------------------|--------------------|--------------------|----------------------|--------------------|----------------------|----------------------|--------------------|--------------------|----------------------|--------------------|--------------------|----------------------|--------------------|
| | FFY 2011 | | | FFY 2012 | | | FFY 2013 | | | FFY 2014 | | | FFY 2015 | | | FFY 2016 | | |
| | 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) |
| FHWA-FUNDED PROJECTS | | | | | | | | | | | | | | | | | | |
| <u>State of Hawaii - Sponsored Projec</u> | | | | | | | | | | | | | | | | | | |
| State of Hawaii | 191,900 | 78,809 | 113,091 | 29,877 | 75,981 | (46,104) | 67,537 | 80,392 | (12,855) | 135,329 | 78,235 | 57,094 | 76,709 | 98,077 | (21,368) | 115,704 | 99,614 | 16,090 |
| <u>C&C of Honolulu - Sponsored Projects</u> | | | | | | | | | | | | | | | | | | |
| C&C of Honolulu | 48,979 | 20,000 | 28,979 | 37,202 | 17,000 | 20,202 | 34,152 | 17,000 | 17,152 | 77,267 | 14,000 | 63,267 | 64,463 | 37,600 | 26,863 | 108,829 | 75,768 | 33,061 |
| TOTAL FHWA | 240,879 | 98,809 | 142,070 | 67,079 | 92,981 | (25,902) | 101,689 | 97,392 | 4,297 | 212,596 | 92,235 | 120,361 | 141,172 | 135,677 | 5,495 | 224,533 | 175,382 | 49,151 |
| FTA-FUNDED PROJECTS | | | | | | | | | | | | | | | | | | |
| <u>C&C of Honolulu - Sponsored Projects</u> | | | | | | | | | | | | | | | | | | |
| C&C of Honolulu | 547,998 | 115,282 | 432,716 | 792,501 | 236,246 | 556,255 | 1,222,748 | 309,299 | 913,449 | 1,106,059 | 309,636 | 796,423 | 840,308 | 254,489 | 585,819 | 554,876 | 266,014 | 288,862 |
| TOTAL FTA | 547,998 | 115,282 | 432,716 | 792,501 | 236,246 | 556,255 | 1,222,748 | 309,299 | 913,449 | 1,106,059 | 309,636 | 796,423 | 840,308 | 254,489 | 585,819 | 554,876 | 266,014 | 288,862 |

FHWA REGULAR FUNDS PROGRAMMED

| | FFY 2011 (x\$1000) | FFY 2012 (x\$1000) | FFY 2013 (x\$1000) | FFY 2014 (x\$1000) | FOR INFORMATION ONLY | |
|--------------------------------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | | | | FFY 2015 (x\$1000) | FFY 2016 (x\$1000) |
| <u>State of Hawaii-Sponsored Projects</u> | | | | | | |
| Bridge On-System | 13,316 | 2,928 | 40 | 15,280 | 39,680 | 41,771 |
| CMAQ | 980 | 838 | 685 | 521 | 345 | 156 |
| Earmark High Priority | 1,600 | 0 | 0 | 0 | 0 | 0 |
| Highway Safety Improvement Program | 13,980 | 1,080 | 2,790 | 900 | 200 | 2,600 |
| Interstate Maintenance | 4,500 | 15,020 | 7,507 | 32,080 | 23,600 | 12,992 |
| Interstate Maintenance Discretionary | 900 | 0 | 3,400 | 0 | 0 | 0 |
| National Highway System | 33,498 | 53,766 | 63,388 | 17,468 | 13,810 | 34,719 |
| Recreational Trails Program | 287 | 287 | 287 | 287 | 287 | 287 |
| STP Flexible | 2,500 | 0 | 0 | 7,200 | 17,600 | 1,371 |
| Transfer from FHWA to FTA | 1,920 | 2,062 | 2,215 | 2,379 | 2,555 | 2,744 |
| Transportation Enhancement | 5,328 | 0 | 80 | 2,120 | 0 | 2,974 |
| State of Hawaii - FHWA Total | 78,809 | 75,981 | 80,392 | 78,235 | 98,077 | 99,614 |
| <u>City and County of Honolulu-Sponsored Projects</u> | | | | | | |
| Bridge Off-System | 720 | 1,200 | 800 | 2,000 | 800 | 1,280 |
| STP Flexible | 19,280 | 15,800 | 16,200 | 12,000 | 36,800 | 74,488 |
| City and County of Honolulu - FHWA Total | 20,000 | 17,000 | 17,000 | 14,000 | 37,600 | 75,768 |
| FHWA TOTAL | 98,809 | 92,981 | 97,392 | 92,235 | 135,677 | 175,382 |
| Less Discretionary Funds, etc. | (2,500) | 0 | (3,400) | 0 | 0 | 0 |
| Less FTA Transfer Funds | (1,920) | (2,062) | (2,215) | (2,379) | (2,555) | (2,744) |
| FHWA REGULAR FORMULA FUNDS TOTAL | 94,389 | 90,919 | 91,777 | 89,856 | 133,122 | 172,638 |

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, and DTS. Information on the revenues estimated to be available for the entire State of Hawaii is available in the HDOT's FFYs 2008-2011 STIP, as revised. Refer to Chapter 7 of the TIP for additional information on FHWA and FTA funding sources.

FHWA Financial Constraint – FFY 2011

| FFY 2011 | Federal Funds Available for Oahu (x\$1000) | Local Funds (x\$1000) | Total Sources (x\$1000) | Total Uses (x\$1000) | Funds Balance (x\$1000) |
|--------------------------------------|---------------------------------------------------|------------------------------|--------------------------------|-----------------------------|--------------------------------|
| Bridge Off-System | 720 | 180 | 900 | 900 | 0 |
| Bridge On-System | 13,316 | 3,329 | 16,645 | 16,645 | 0 |
| CMAQ | 980 | 0 | 980 | 980 | 0 |
| Earmark High Priority | 1,600 | 400 | 2,000 | 2,000 | 0 |
| Highway Safety Improvement Program | 13,980 | 2,664 | 16,644 | 16,644 | 0 |
| Interstate Maintenance | 4,500 | 500 | 5,000 | 5,000 | 0 |
| Interstate Maintenance Discretionary | 900 | 100 | 1,000 | 1,000 | 0 |
| Local Only | 0 | 22,456 | 22,456 | 22,456 | 0 |
| National Highway System | 33,498 | 86,624 | 120,122 | 120,122 | 0 |
| Recreational Trails Program | 287 | 72 | 359 | 359 | 0 |
| STP Flexible | 21,780 | 24,413 | 46,193 | 46,193 | 0 |
| Transfer from FTA to FHWA | 1,920 | 0 | 1,920 | 1,920 | 0 |
| Transportation Enhancement | 5,328 | 1,332 | 6,660 | 6,660 | 0 |
| Total | 98,809 | 142,070 | 240,879 | 240,879 | 0 |

FHWA Financial Constraint – FFY 2012

| FFY 2012 | Federal Funds Available for Oahu (x\$1000) | Local Funds (x\$1000) | Total Sources (x\$1000) | Total Uses (x\$1000) | Funds Balance (x\$1000) |
|--------------------------------------|---------------------------------------------------|------------------------------|--------------------------------|-----------------------------|--------------------------------|
| Bridge Off-System | 1,200 | 300 | 1,500 | 1,500 | 0 |
| Bridge On-System | 2,928 | 732 | 3,660 | 3,660 | 0 |
| CMAQ | 838 | 0 | 838 | 838 | 0 |
| Earmark High Priority | 0 | 0 | 0 | 0 | 0 |
| Highway Safety Improvement Program | 1,080 | 120 | 1,200 | 1,200 | 0 |
| Interstate Maintenance | 15,020 | 1,880 | 16,900 | 16,900 | 0 |
| Interstate Maintenance Discretionary | 0 | 0 | 0 | 0 | 0 |
| Local Only | 0 | 1,234 | 1,234 | 1,234 | 0 |
| National Highway System | 53,766 | (48,908) | 4,858 | 4,858 | 0 |
| Recreational Trails Program | 287 | 72 | 359 | 359 | 0 |
| STP Flexible | 15,800 | 18,668 | 34,468 | 34,468 | 0 |
| Transfer from FTA to FHWA | 2,062 | 0 | 2,062 | 2,062 | 0 |
| Transportation Enhancement | 0 | 0 | 0 | 0 | 0 |
| Total | 92,981 | (25,902) | 67,079 | 67,079 | 0 |

FHWA Financial Constraint – FFY 2013

| FFY 2013 | Federal Funds Available for Oahu (x\$1000) | Local Funds (x\$1000) | Total Sources (x\$1000) | Total Uses (x\$1000) | Funds Balance (x\$1000) |
|--------------------------------------|---------------------------------------------------|------------------------------|--------------------------------|-----------------------------|--------------------------------|
| Bridge Off-System | 800 | 200 | 1,000 | 1,000 | 0 |
| Bridge On-System | 40 | 10 | 50 | 50 | 0 |
| CMAQ | 685 | 0 | 685 | 685 | 0 |
| Earmark High Priority | 0 | 0 | 0 | 0 | 0 |
| Highway Safety Improvement Program | 2,790 | 310 | 3,100 | 3,100 | 0 |
| Interstate Maintenance | 7,507 | 1,877 | 9,384 | 9,384 | 0 |
| Interstate Maintenance Discretionary | 3,400 | 400 | 3,800 | 3,800 | 0 |
| Local Only | 0 | 614 | 614 | 614 | 0 |
| National Highway System | 63,388 | (15,544) | 47,844 | 47,844 | 0 |
| Recreational Trails Program | 287 | 72 | 359 | 359 | 0 |
| STP Flexible | 16,200 | 16,338 | 32,538 | 32,538 | 0 |
| Transfer from FTA to FHWA | 2,215 | 0 | 2,215 | 2,215 | 0 |
| Transportation Enhancement | 80 | 20 | 100 | 100 | 0 |
| Total | 97,392 | 4,297 | 101,689 | 101,689 | 0 |

FHWA Financial Constraint – FFY 2014

| FFY 2014 | Federal Funds Available for Oahu (x\$1000) | Local Funds (x\$1000) | Total Sources (x\$1000) | Total Uses (x\$1000) | Funds Balance (x\$1000) |
|--------------------------------------|---------------------------------------------------|------------------------------|--------------------------------|-----------------------------|--------------------------------|
| Bridge Off-System | 2,000 | 500 | 2,500 | 2,500 | 0 |
| Bridge On-System | 15,280 | 11,320 | 26,600 | 26,600 | 0 |
| CMAQ | 521 | 0 | 521 | 521 | 0 |
| Earmark High Priority | 0 | 0 | 0 | 0 | 0 |
| Highway Safety Improvement Program | 900 | 100 | 1,000 | 1,000 | 0 |
| Interstate Maintenance | 32,080 | 24,120 | 56,200 | 56,200 | 0 |
| Interstate Maintenance Discretionary | 0 | 0 | 0 | 0 | 0 |
| Local Only | 0 | 67,454 | 67,454 | 67,454 | 0 |
| National Highway System | 17,468 | (2,848) | 14,620 | 14,620 | 0 |
| Recreational Trails Program | 287 | 72 | 359 | 359 | 0 |
| STP Flexible | 19,200 | 19,113 | 38,313 | 38,313 | 0 |
| Transfer from FTA to FHWA | 2,379 | 0 | 2,379 | 2,379 | 0 |
| Transportation Enhancement | 2,120 | 530 | 2,650 | 2,650 | 0 |
| Total | 92,235 | 120,361 | 212,596 | 212,596 | 0 |

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

FTA Financial Constraint (City and County of Honolulu Projects) – FFY 2011

| FFY 2011 | Federal Funds Available for Oahu (x\$1000) | Local Funds (x\$1000) | Federal Funds Prior Year Carryover (x\$1000) | Total Sources (x\$1000) | Total Uses (x\$1000) | Funds Balance (x\$1000) |
|------------------------------------|--------------------------------------------|-----------------------|----------------------------------------------|-------------------------|----------------------|-------------------------|
| §5307 JARC Small Urban* | 74 | 19 | 0 | 93 | 93 | 0 |
| §5307 New Freedom Small Urban* | 62 | 15 | 0 | 77 | 77 | 0 |
| §5307 Urban Area Formula** | 31,222 | 25,266 | 0 | 56,488 | 56,488 | 0 |
| §5309 Bus Capital | 1,157 | 436 | 0 | 1,593 | 1,593 | 0 |
| §5309 Fixed Guideway Modernization | 2,138 | 1,162 | 0 | 3,300 | 3,300 | 0 |
| §5309 New Starts | 80,000 | 405,000 | 0 | 485,000 | 485,000 | 0 |
| §5316 JARC Urban | 387 | 210 | 0 | 597 | 597 | 0 |
| §5317 New Freedom Urban | 242 | 202 | 0 | 444 | 444 | 0 |
| Local Only | 0 | 406 | 0 | 406 | 406 | 0 |
| Total | 115,282 | 432,716 | 0 | 547,998 | 547,998 | 0 |

* Includes §5316 JARC and §5317 NF Small Urban fund transfers from the State of Hawaii for use in the City’s human services transportation coordination program.

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

FTA Financial Constraint (City and County of Honolulu Projects) – FFY 2012

| FFY 2012 | Federal Funds Available for Oahu (x\$1000) | Local Funds (x\$1000) | Federal Funds Prior Year Carryover (x\$1000) | Total Sources (x\$1000) | Total Uses (x\$1000) | Funds Balance (x\$1000) |
|------------------------------------|--------------------------------------------|-----------------------|----------------------------------------------|-------------------------|----------------------|-------------------------|
| §5307 JARC Small Urban* | 74 | 19 | 0 | 93 | 93 | 0 |
| §5307 New Freedom Small Urban* | 63 | 15 | 0 | 78 | 78 | 0 |
| §5307 Urban Area Formula** | 31,945 | 64,030 | 0 | 95,975 | 95,975 | 0 |
| §5309 Bus Capital | 1,327 | 483 | 0 | 1,810 | 1,810 | 0 |
| §5309 Fixed Guideway Modernization | 2,168 | 467 | 0 | 2,635 | 2,635 | 0 |
| §5309 New Starts | 200,000 | 426,970 | 0 | 626,970 | 626,970 | 0 |
| §5316 JARC Urban | 407 | 221 | 0 | 628 | 628 | 0 |
| §5317 New Freedom Urban | 262 | 215 | 0 | 477 | 477 | 0 |
| Local Only | 0 | 63,835 | 0 | 63,835 | 63,835 | 0 |
| Total | 236,246 | 556,255 | 0 | 792,501 | 792,501 | 0 |

* Includes §5316 JARC and §5317 NF Small Urban fund transfers from the State of Hawaii for use in the City's human services transportation coordination program.

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

FTA Financial Constraint (City and County of Honolulu Projects) – FFY 2013

| FFY 2013 | Federal Funds Available for Oahu (x\$1000) | Local Funds (x\$1000) | Federal Funds Prior Year Carryover (x\$1000) | Total Sources (x\$1000) | Total Uses (x\$1000) | Funds Balance (x\$1000) |
|------------------------------------|--------------------------------------------|-----------------------|----------------------------------------------|-------------------------|----------------------|-------------------------|
| §5307 JARC Small Urban* | 106 | 26 | 0 | 132 | 132 | 0 |
| §5307 New Freedom Small Urban* | 56 | 14 | 0 | 70 | 70 | 0 |
| §5307 Urban Area Formula** | 33,023 | 92,200 | 0 | 125,223 | 125,223 | 0 |
| §5309 Bus Capital | 23,458 | 5,864 | 0 | 29,322 | 29,322 | 0 |
| §5309 Fixed Guideway Modernization | 2,183 | 629 | 0 | 2,812 | 2,812 | 0 |
| §5309 New Starts | 250,000 | 743,800 | 0 | 993,800 | 993,800 | 0 |
| §5316 JARC Urban | 241 | 218 | 0 | 459 | 459 | 0 |
| §5317 New Freedom Urban | 232 | 214 | 0 | 446 | 446 | 0 |
| Local Only | 0 | 70,484 | 0 | 70,484 | 70,484 | 0 |
| Total | 309,299 | 913,449 | 0 | 1,222,748 | 1,222,748 | 0 |

* Includes §5316 JARC and §5317 NF Small Urban fund transfers from the State of Hawaii for use in the City's human services transportation coordination program.

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

FTA Financial Constraint (City and County of Honolulu Projects) – FFY 2014

| FFY 2014 | Federal Funds Available for Oahu (x\$1000) | Local Funds (x\$1000) | Federal Funds Prior Year Carryover (x\$1000) | Total Sources (x\$1000) | Total Uses (x\$1000) | Funds Balance (x\$1000) |
|------------------------------------|--------------------------------------------|-----------------------|----------------------------------------------|-------------------------|----------------------|-------------------------|
| §5307 JARC Small Urban* | 106 | 26 | 0 | 132 | 132 | 0 |
| §5307 New Freedom Small Urban* | 56 | 14 | 0 | 70 | 70 | 0 |
| §5307 Urban Area Formula** | 33,103 | 79,199 | 0 | 112,302 | 112,302 | 0 |
| §5309 Bus Capital | 23,469 | 5,868 | 0 | 29,337 | 29,337 | 0 |
| §5309 Fixed Guideway Modernization | 2,198 | 595 | 0 | 2,793 | 2,793 | 0 |
| §5309 New Starts | 250,000 | 638,801 | 0 | 888,801 | 888,801 | 0 |
| §5316 JARC Urban | 462 | 247 | 0 | 709 | 709 | 0 |
| §5317 New Freedom Urban | 242 | 224 | 0 | 466 | 466 | 0 |
| Local Only | 0 | 71,449 | 0 | 71,449 | 71,449 | 0 |
| Total | 309,636 | 796,423 | 0 | 1,106,059 | 1,106,059 | 0 |

* Includes §5316 JARC and §5317 NF Small Urban fund transfers from the State of Hawaii for use in the City's human services transportation coordination program.

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

APPENDIX A: STATUS OF PROJECTS PROGRAMMED IN FFY 2009 IN THE FFYS 2008-2011 TIP

| PROJECT NUMBER | PROJECT NAME <i>(Sorted by Project Name)</i> | AMOUNT OBLIGATED | STATUS AS OF SEPTEMBER 30, 2009 |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------|---------------------|-------------------------------------------------------------------|
| OBLIGATED FHWA - FUNDED PROJECTS | | | |
| <u>Obligated by State of Hawaii</u> | | | |
| S02 | Castle Hills Access Road Drainage Improvements | \$0 | Project is ongoing. ROW/CON is scheduled for FFY 2010. |
| S103 | Farrington Highway (Route 93), Safety Improvements, Leihoku Street to Makau Street | \$278,000 | Obligated |
| S10 | Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway, Phase 1B | \$4,147,000 | Obligated |
| S15 | Freeway Service Patrol | \$1,791,000 | Obligated |
| S16 | Guardrail and Shoulder Improvements, Various Locations | \$224,000 | Obligated |
| S23 | Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 1 | \$32,959,000 | Obligated |
| S29 | Interstate Route H-1, PM Zipper Lane, Westbound | \$47,177,000 | Obligated |
| S31 | Interstate Route H-1, Seismic Retrofit, Farrington Highway (Route 9107) Separation and Makakilo Separation | \$1,665,000 | Obligated |
| S37 | Interstate Route H-3, H-3 Finish, Unit VIIC | \$1,428,000 | Obligated |
| S39 | Interstate Routes H-1 and H-2, Destination Sign Upgrade/Replacement, Phase 1 and Phase 2 | \$0 | Design is still ongoing and project will be deferred to FFY 2010. |
| S98 | Kalaniana'ole Highway (Route 72), Safety Improvements, Blow Hole to Lunali'lo Home Road | \$456,000 | Obligated |
| S50 | Kamehameha Highway, Bridge Rehabilitation, Kaipapau Stream Bridge | \$0 | ROW is still ongoing. Project will be deferred to FFY 2010. |
| S52 | Kamehameha Highway, Bridge Rehabilitation, Laieloa Stream Bridge | \$62,000 | Obligated |
| S61 | Kamehameha Highway, Bridge Replacement, Kawela Stream Bridge | \$0 | ROW is still ongoing. Project will be deferred to FFY 2010. |
| S64 | Kamehameha Highway, Bridge Replacement, South Punaluu Stream Bridge | \$22,739,000 | Obligated |

| PROJECT NUMBER | PROJECT NAME <i>(Sorted by Project Name)</i> | AMOUNT OBLIGATED | STATUS AS OF SEPTEMBER 30, 2009 |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| S104 | Kamehameha Highway, Safety Improvements, Kahana Road to Kaaawa Bridge | \$182,000 | Obligated |
| S105 | Kamehameha Highway, Safety Improvements, Pualalea Street to Malaekahana and Laiemaloo Bridge to Hauula Bridge | \$214,000 | Obligated |
| S106 | Kamehameha Highway, Safety Improvements, Waikane Valley Road to Kahekili Highway | \$210,000 | Obligated |
| S81 | Leeward Bikeway, Phase 1, Waipio Point Access Road to Hawaii Railroad Society Train Station | \$0 | Preliminary ROW is not needed and will be deleted. |
| S95 | Vanpool Program, Oahu | \$3,328,000 | Obligated |
| S96 | Vineyard Boulevard (Route 98), Improvements, Vicinity of Queen's Medical Center | \$0 | Project will be deferred to FFY 2010. Queen's Medical Center is trying to obtain a federal earmark. No project schedule is set yet. |
| Total Obligated: State of Hawaii - FHWA | | \$116,860,000 | |

| PROJECT NUMBER | PROJECT NAME <i>(Sorted by Project Name)</i> | AMOUNT OBLIGATED | STATUS AS OF SEPTEMBER 30, 2009 |
|------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>Obligated by City and County of Honolulu</u> | | | |
| C01 | Alapai Transportation Management Center | \$0 | Not obligated. |
| C02 | Bridge Inspection and Appraisal | \$640,000 | Federal-Aid No. BR-NBIS(42) was obligated on 11/13/2008. |
| C03 | Computerized Traffic Control System | \$2,236,042 | Phase 11: Federal-Aid No. STP-0001(35) was obligated on 9/22/2009 (\$1,996,042). Phase 13: Federal-Aid No. STP-0001(46) was obligated on 8/4/2009 (\$240,000). |
| C26 | Kahuhipa Street Hydro-Modification Device between Kahuhipa Street and Kawa Street | \$0 | Project will be deferred to FY 2010. |
| C10 | Traffic Improvements at Various Locations | \$2,943,415 | Dillingham Boulevard and Waiakamilo Road location (DES): Federal-Aid No. STP-7411(1) was obligated on 9/16/2009 (\$172,000). Harding Ave. and 5th and 11th Avenue locations (ARRA): Federal-Aid No. STP-0300(112) was obligated on 8/20/2009 (\$2,771,415). |
| C29 | Traffic Management Center Auxiliary Power Facility | \$301,652 | Federal-Aid No. ARR-0001(45) obligated on 9/21/2009. |
| C11 | Traffic Signal Maintenance Facility (Pearl City, Manana Area) | \$4,439,953 | Federal-Aid No. STP-0001(34) was obligated on 9/23/2009. |
| C12 | Traffic Signal Optimization | \$800,000 | Federal-Aid No. STP-0001(48) was obligated on 9/21/2009. |
| C13 | Traffic Signals at Various Locations | \$6,241,528 | Phase 10 (ARRA): Federal-Aid No. STP-0001(36) was obligated on 6/18/2009 (\$3,707,221). Phase 11: Federal-Aid No. STP-0001(42) was obligated on 9/21/2009 (\$2,334,307). Phase 12: STP-0001(47) was obligated on 9/16/2009 (\$200,000). |
| Total Obligated: City and County of Honolulu - FHWA | | \$17,602,590 | |
| TOTAL OBLIGATED FHWA-FUNDED PROJECTS | | \$134,462,590 | |

| PROJECT NUMBER | PROJECT NAME <i>(Sorted by Project Name)</i> | AMOUNT OBLIGATED | STATUS AS OF SEPTEMBER 30, 2009 |
|-------------------------------------------------|-----------------------------------------------------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OBLIGATED FTA - FUNDED PROJECTS | | | |
| <u>Obligated by City and County of Honolulu</u> | | | |
| C35 | Agency-Provided Trips | \$100,000 | Grant HI-57-X002; awarded on 8/25/2009. |
| C15 | Alapai Transit & Joint Traffic Management Center | \$5,600,000 | Grant HI-90-X026-Engineering/Design and Construction: Pending completion of Engineering/Design (\$5,600,000). Grant HI-90-X027-Design: Notice To Proceed given in September 2009; construction of landscaping delayed (\$200,000). |
| C16 | Bus and Handi-Van Acquisition Program | \$33,482,952 | Grants HI-90-X026, HI-03-0037, HI-56-0001 ARRA Fixed Guideway Infrastructure, and HI-96-X001 ARRA. Amendment #2 is in process to procure twenty 60' articulated hybrid buses. |
| C31 | Bus Stop Pad Improvements | \$2,000,000 | Grant HI-96-X001; 32 bus pad locations ready to be advertised. |
| C25 | Bus Stop Site Improvements, Kalaniana'ole Highway at Auloa Road | \$0 | No change in status. |
| C17 | Honolulu High Capacity Transit Corridor Project | \$4,000,000 | Grant HI-96-X001 ARRA for Planning. Pending FTA approval. |
| C18 | Intra-Island Ferry | \$0 | The ferry transported 103,495 riders at the close of business on 6/30/2009. No 2009 FTA funds were used in the project. |
| C36 | Local Shuttle Service | \$76,000 | Grant HI-37-X002 was awarded on 9/17/2009. |
| C19 | Middle Street Intermodal Center | \$3,493,852 | Grant HI-90-X027 (\$389,852), Grant HI-04-0005 (no change in status); Grant HI-96-X001 ARRA (\$3,104,000) awarded 8/14/2009. Phases 2B-1 and 2B-3 were obligated. Phase 2B-2 will be obligated in FFY 2010. |
| C37 | Mobility Management Center | \$543,836 | Grant HI-90-X028 (\$126,336) was awarded on 9/22/2009; Grant HI-37-X002 (\$293,750); Grant HI-57-X002 (\$123,750). |
| C32 | Pearl City Bus Facility - Bus Parking Expansion | \$7,899,148 | Grant HI-96-X001 ARRA was awarded on 8/14/2009. Ready to advertise. |
| C20 | Preventive Maintenance | \$21,000,000 | Grant HI-90-X028; funds obligated. |
| C21 | Transfer to FHWA for Vanpool | \$1,955,450 | Transfer from Honolulu's FFY 2009 Section 5307 (UZA 150550) apportionment to HDOT FHWA Vanpool Program on 7/15/2009. |
| C22 | Transit Security Projects | \$1,066,938 | Grant HI-96-X001 ARRA (\$416,938) was awarded on 8/14/2009; Grant HI-90-X025 (\$200,000) contract was awarded on 1/22/2009; Grant HI-90-X026 (\$450,000). |

| PROJECT NUMBER | PROJECT NAME <i>(Sorted by Project Name)</i> | AMOUNT OBLIGATED | STATUS AS OF SEPTEMBER 30, 2009 |
|-----------------------------------------------------------|--------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------|
| C33 | Wahiawa Transit Center | \$4,300,000 | Grant HI-03-0040; Grant HI-96-X001 ARRA; Pending Governor's release of State's share of project funds. |
| C23 | West Oahu Bus and Handi-Van Maintenance Facility | \$0 | Anticipate grant application in FFY 2010. |
| C24 | Windward Transit Center | \$0 | Local funds only. Consultant selection made. |
| Total Obligated: City and County of Honolulu - FTA | | \$85,718,176 | |
| TOTAL OBLIGATED FTA-FUNDED PROJECTS | | \$85,718,176 | |

APPENDIX B: INCORPORATION OF SAFETEA-LU PLANNING FACTORS

| Planning Factor | FFYs 2011-2014 TIP |
|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Supports the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency. | <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 Mover's Task Force is able to give early input on their priorities for TIP projects. ● The Freeway Management System project and Freeway Service Patrol will help with the movement of workers to jobs and opportunities. |
| 2. Increases the safety of the transportation system for all motorized and non-motorized users. | <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. |
| 3. Increases the security of the transportation system for motorized and non-motorized users. | <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 Traffic 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). |

| Planning Factor | FFYs 2011-2014 TIP |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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. Members of the Freight Task Force suggested that any roadway improvement is of benefit to the freight movers. ● The Alapai Transit Center Multi-Use Path project will serve as a connection of the multi-use path from Ewa of Alapai to Hotel Street, and will provide a path for pedestrians and bicyclists. |
| <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. The Freight Task Force noted that 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 Task Force noted that any 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. ● The Alapai Transit Center Multi-Use Path project will serve as a connection of the multi-use path from Ewa of Alapai to Hotel Street, and will provide a path for pedestrians and bicyclists. |

| Planning Factor | FFYs 2011-2014 TIP |
|-----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7. Promotes efficient system management and operation. | <ul style="list-style-type: none"> ● The TIP includes both highway and transit projects, which are designed to complement each other. ● Projects, such as the North-South Road (Kualakai Parkway), will provide continuous access between communities and employment centers. ● 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. |
| 8. Emphasizes the preservation of the existing transportation system. | <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. |

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