

FYS 2008, 2009, 2010, AND 2011
TRANSPORTATION IMPROVEMENT PROGRAM

Approved by the OahuMPO Policy Committee
July 17, 2007



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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

The preparation of this document was financed in part through grants from the U.S. Department of Transportation, Federal Transit Administration, and Federal Highway Administration, under Chapter 53 of 49 U.S.C. and 23 U.S.C. The contents of this document do not necessarily reflect the official views or policies of the U.S. Department of Transportation.

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1.0 ABBREVIATIONS

1.1 OVERALL ABBREVIATIONS

3-C	Continuing, Cooperative, Comprehensive
CAC	OahuMPO Citizen Advisory Committee
CMP	Congestion Management Process
DTS	City and County of Honolulu Department of Transportation Services
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
FY	Fiscal Year (Federal: October - September)
HDOT	Hawaii Department of Transportation
ITS	Intelligent Transportation Systems
JARC	Job Access and Reverse Commute
OahuMPO	Oahu Metropolitan Planning Organization
OPP	OahuMPO Participation Plan
ORITSA	Oahu Regional Intelligent Transportation System Architecture
ORTP	Oahu Regional Transportation Plan
SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity Act – A Legacy for Users
STIP	Statewide Transportation Improvement Program
TIP	Transportation Improvement Program

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
Discret	Discretionary Funds
Earmark HP	Earmark High Priority
Enhance	STP Enhancement
FHWA X-fer	Transfer from FTA to FHWA
HSIP	Highway Safety Improvement Program
IM	Interstate Maintenance
NHS	National Highway System
Pub Lands	Public Lands Discretionary
Section 115	Earmark Section 115
STP Flex	STP Flexible

1.2.2 FTA Funding Categories

§5309 BC	FTA §5309 Bus and Bus-Related Facilities
§5309 FGM	FTA §5309 Fixed Guideway Modernization
§5309 NS	FTA §5309 New Starts
§5309 Ferry	FTA §5309 New Starts (Ferry Allocation)
§5307/§5340	FTA §5307 (Urbanized Area Formula 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

PREROW	Pre-Right-of-Way
ROW	Right-of-Way
ROW/CON	Right-of-Way/Construction
PLN	Planning
DES	Design
DES/CON	Design/Construction
ADVCON	Advance Construction
CON	Construction
CON/INSP	Construction/Inspection
EQP	Equipment
REL	Relocation
OPR	Operations
INSP	Inspection

2.0 INTRODUCTION

The *FYs 2008, 2009, 2010, and 2011 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 FYs 2008-2011 TIP covers a period of four years (FYs 2008-2011) and contains two additional years (FYs 2012 and 2013) for information only. The TIP will be updated at least every three years, and revised as needed. The TIP, as approved by the OahuMPO 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 funds¹;
- 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 on the TIP for informational purposes.

The TIP identifies transportation programs and projects totaling approximately \$1.9 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.

FY 2008 projects represent those with the highest implementation priority. The largest State of Hawaii-sponsored project in FY 2008 is S47 (Kalaniana'ole Highway Improvements, Retaining Wall at Makapuu). This project is funded with about \$9 million in federal funds and \$2 million in local funds. C17 (Honolulu High Capacity Transit Corridor Project) is the largest City and County of Honolulu-sponsored project in FY 2008 of the TIP. This project is funded with about \$14 million in federal funds and \$71 million in local funds in FY 2008.

3.0 PREVIOUS TIP (FYS 2006-2008)

The FYs 2006-2008 TIP was endorsed by the OahuMPO Policy Committee in July 2005.

3.1 REVISIONS TO THE PREVIOUS TIP

The FYs 2006-2008 TIP was amended twelve times, as documented in Table 1 below.

TABLE 1

FYs 2006-2008 TIP AMENDMENTS	
Amendment Number	Description
<i>Pre-approved Administrative Amendments</i>	
1	March 23, 2006: Revised the sources of federal funds administered by the same U.S. Department of Transportation (U.S. DOT) operating agency, revised project cost estimates, and deferred projects.
4	July 12, 2006: Revised the sources of federal funds administered by the same U.S. DOT operating agency and revised project cost estimates.
5	July 12, 2006: Revised project cost estimates, deferred projects, advanced projects, and changed federal funding to local funding.
7	September 29, 2006: Revised the sources of federal funds administered by the same U.S. DOT operating agency, revised project cost estimates, deferred projects, and changed federal funding to local funding.
12	March 19, 2007: Advanced a project from one fiscal year to another.

FYs 2006-2008 TIP AMENDMENTS	
Amendment Number	Description
<i>Expedited Administrative Amendments</i>	
2	March 23, 2006: Added federal funding to a project that was previously programmed with only local funds.
8	September 29, 2006: Deleted phases of a project, which resulted in a reduction of FHWA flexible funds programmed for Oahu.
9	February 15, 2007: Revised the sources of federal funds administered by the same U.S. DOT operating agency, revised project cost estimates, and deferred projects. These actions resulted in a reduction of FHWA flexible funds programmed for Oahu.
<i>Non-Administrative Amendments</i>	
3	March 23, 2006: Deleted 13 projects and added 11 new projects.
6	July 12, 2006: Revised the number of buses programmed for purchase.
10	February 15, 2007: Deleted 9 projects and added 1 project.
11	May 4, 2007: Revised the number of buses and Handi-Vans programmed for purchase.

Pre-approved administrative amendments were those that consisted of actions that were pre-approved by the OahuMPO Policy Committee. Expedited administrative amendments consisted of actions that were submitted directly to the OahuMPO Policy Committee for action without prior review by the OahuMPO Technical Advisory Committee or solicitation of public comment. Non-administrative amendments were those that were significant enough to require public review and comment, Technical Advisory Committee action, as well as Policy Committee action. The types of amendments are further defined in the FYs 2006-2008 TIP document.

The terms used to describe TIP amendments were revised slightly with the FYs 2008-2011 TIP update in order to be consistent with the terms used in SAFETEA-LU. Refer to Chapter 10.0 for a discussion of the revised definitions of TIP amendments.

3.2 STATUS OF PREVIOUS TIP PROJECTS

The status of the projects programmed in FYs 2006 of the FYs 2006-2008 TIP as of September 30, 2006 is found in Appendix A. This information was provided to the OahuMPO Policy Committee and to the public via direct mailing and e-mail. It was also posted on the OahuMPO website.

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

4.0 FYS 2008-2011 TIP DEVELOPMENT

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.

4.1 SCHEDULE

The FYs 2008-2011 TIP development process spanned over a year. The schedule is illustrated in Figure 1 and described below.

4.1.1 Early Public Input

May 2006 – September 2006: Development of the FYs 2008-2011 TIP began in May 2006 with early public input from the OahuMPO Citizen Advisory Committee and the Freight Task Force. Both groups developed a recommended list of transportation projects for inclusion into the FYs 2008-2011 TIP. Their recommendations were presented to the OahuMPO Policy Committee in September 2006 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. Refer to Chapter 5.0 for a description of the process used to obtain early public input to the TIP.

4.1.2 Preliminary Financial Estimates

August – October 2006: The 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. As presented to the OahuMPO Technical Advisory Committee in October 2006,

Oahu has historically received about 52% of the Statewide total obligation authority each year.

4.1.3 Call for Projects

November 2006 – January 2007: The OahuMPO did a “call for projects” to the implementing agencies. In response, the HDOT and DTS submitted projects to be considered for inclusion in the FYs 2008-2011 TIP. Refer to Chapter 6.0 for further discussion on the call for projects.

4.1.4 Development of the Financial Plan and the Draft TIP

January 2007 – March 2007: The OahuMPO, HDOT, and DTS continued discussions regarding the list of requested projects and financial constraint. The FTA program of projects was financially constrained. However, the amounts programmed with FHWA funds in each of the four years of the draft TIP were higher than the FHWA amounts estimated to be available for Oahu. Because agreement could not be reached on a way to financially constrain the FHWA program of projects, it was decided that a financially unconstrained draft TIP project list would be released for public comment. Refer to Chapter 13.0 for the financial plan.

4.1.5 Visualization

March 2007 – April 2007: For visualization purposes, project location maps were developed for each project in the draft TIP, as applicable, using geographic information systems software. In addition, project location maps were developed such that the user was able 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.). Refer to Chapter 7.0 for further discussion on the visualization techniques used.

4.1.6 Public Outreach on the Draft TIP

April 2007 – July 2007: Opportunities were provided for interested parties to review and comment on the draft TIP project listing and financial plan. Everyone who was sent the draft TIP project listing was informed that the draft was not financially constrained, and was encouraged to submit comments in support or in opposition of projects in the draft. Details on each TIP project, including static and interactive project maps and the TIP financial plan, were posted on the OahuMPO website during the public comment period. The draft project information sheets and financial plan were also distributed to the public via direct mail. Stakeholder agencies were provided with details on each TIP project and were consulted with to ensure compatibility with their respective plans, maps, inventories, and planning documents. Refer to Chapter 7.0 for details of the strategies used for public outreach on the draft TIP.

4.1.7 Technical Project Evaluations

May 2007 – July 2007: Various technical project evaluations were performed on the draft TIP in order to assist the OahuMPO Policy Committee in selecting projects for the FYs 2008-2011 TIP. For further details of the evaluations performed, refer to Chapter 8.0.

4.1.8 Project Selection

July 2007 – August 2007: After reviewing the results of the agency consultations and the technical analyses, the OahuMPO Technical Advisory Committee recommended that the OahuMPO Policy Committee endorse the TIP. The Policy Committee endorsed the TIP after considering and discussing the public comments and technical analyses presented to them. The TIP was also sent to the Governor's designee for approval. Refer to Chapter 9.0 for further discussion of the project selection process.

4.1.9 Incorporation of the TIP into the STIP

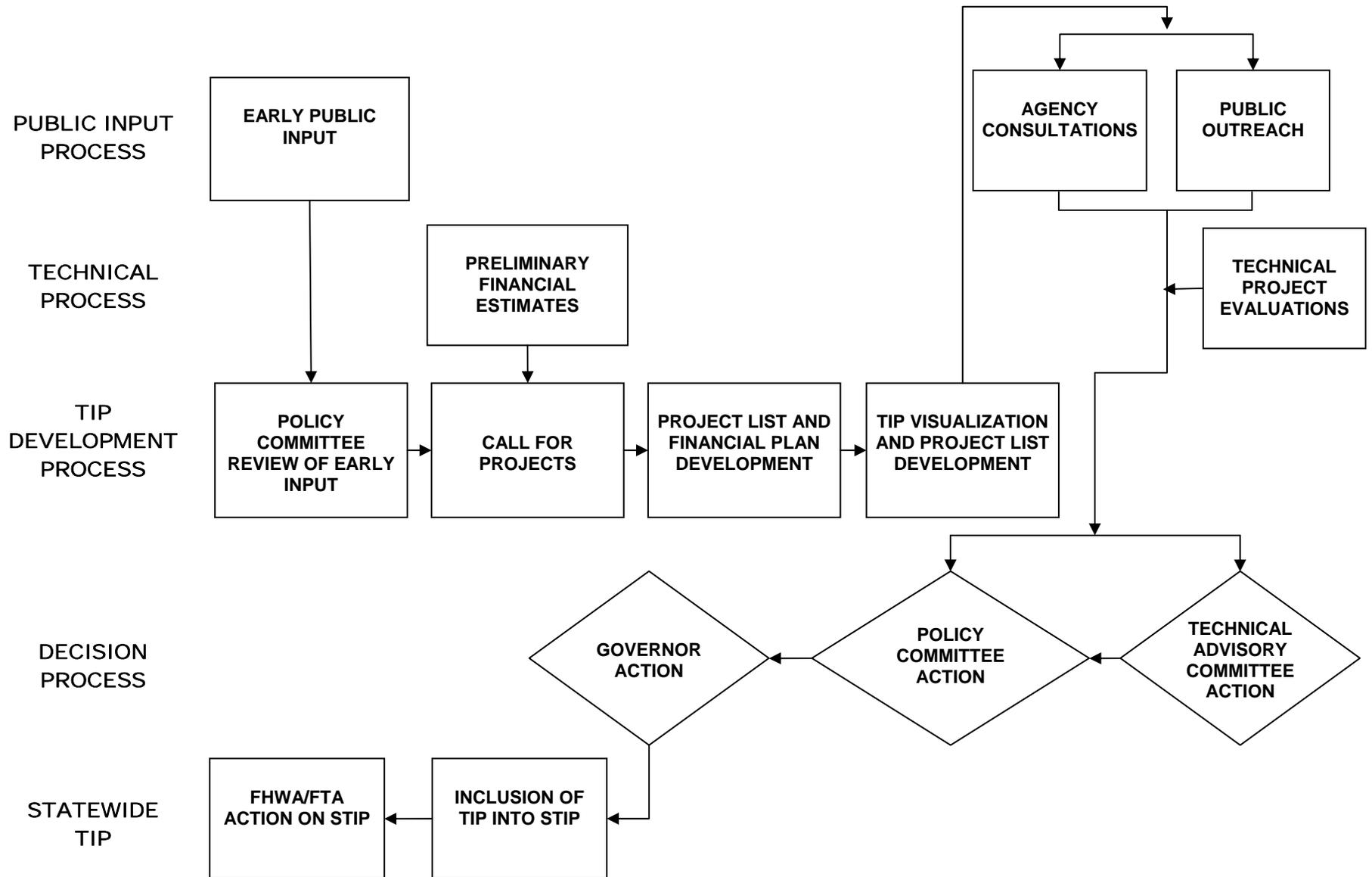
August 2007 – September 2007: The FYs 2008-2011 TIP was provided to the HDOT to incorporate, without change, as the Oahu

element of the FYs 2008-2011 STIP. The FHWA and FTA jointly determine whether the STIP is based on a statewide transportation planning process that meets federal requirements. Refer to Chapter 12.0 for the approved listing of TIP projects.

4.1.10 TIP Revisions

The FYs 2008-2011 TIP will be updated in three years and revised as necessary. Refer to Chapter 10.0 for administrative procedures that have been established in order to revise the TIP.

FIGURE 1: TIP PROCESS



5.0 EARLY PUBLIC INPUT

5.1 THE OAHUMPO PUBLIC INVOLVEMENT PROGRAM

The OahuMPO Policy Committee endorsed the *OahuMPO Participation Plan* (OPP) in December 2006. The OahuMPO public involvement program was previously documented in the *Guide to Public Involvement*, which was revised and renamed the OPP in order to ensure compliance with SAFETEA-LU. The OPP was developed to help members of the public and affected organizations, including government agencies, understand: 1) the OahuMPO planning process and 2) how to participate effectively in that process. It identifies opportunities for public review and comment on OahuMPO documents and transportation issues at key decision points.

Some of the SAFETEA-LU modifications incorporated into the OPP include the use of visualization techniques for the regional transportation plan and the TIP; use of electronically accessible formats and means (e.g., World Wide Web) to make public information available; and the inclusion of affected public agencies as interested parties. The OahuMPO followed the procedures and strategies outlined in the OPP throughout the development of the FYs 2008-2011 TIP.

5.2 CITIZEN ADVISORY COMMITTEE

5.2.1 Early Input

In April 2006, the Citizen Advisory Committee (CAC) Chair asked for volunteers to serve on the CAC TIP Subcommittee. The purpose of the subcommittee was to develop a recommended list of transportation projects for inclusion into the FYs 2008-2011 TIP. The subcommittee established the following criteria for project selection:

A. Especially worthy of inclusion into the next TIP.

1. Projects that reduce or eliminate threats to life/health/safety
 2. Projects that improve connectivity
 3. Projects that provide congestion relief or second access
 4. Geographic equity
- B. Worthy of inclusion into the next TIP, but not yet ready-to-go.

The CAC TIP Subcommittee applied the above criteria to projects in the Oahu Regional Transportation Plan (ORTP) 2030 and projects that were programmed in FY 2008 in the FYs 2006-2008 TIP. The CAC TIP Subcommittee then developed a list of recommended projects.

The CAC TIP Subcommittee Report was accepted by the full CAC in September 2006. The CAC also acted on an addendum to the report that identified additional recommendations that were made by other CAC members. The CAC TIP Project Recommendations report is contained in Appendix B. The OahuMPO Policy Committee reviewed the report and, in September 2006, directed that it be transmitted to the implementing agencies for their consideration when identifying proposed projects for inclusion in the FYs 2008-2011 TIP.

5.2.2 Responses to Recommendations

The HDOT and the DTS attended the May 2007 CAC meeting, where the draft FYs 2008-2011 TIP was being discussed, and presented to them the status of the CAC's project recommendations. Responses to the CAC's project recommendations are summarized in Appendix C. These responses were also discussed at the May 2007 Policy Committee meeting at which the draft FYs 2008-2011 TIP was presented.

5.3 FREIGHT TASK FORCE

5.3.1 Early Input

Federal planning factors address the need for accessibility and mobility for people *and* freight. Recognizing that the needs and priorities of the freight industry may differ from others, a Freight Task Force was convened in July 2006 to provide the OahuMPO Policy Committee with early input. The Hawaii Transportation Association, a private, non-profit trade organization dedicated to the service and assistance to the ground transportation industry (and also an ex-officio member of the OahuMPO Technical Advisory Committee and a member of the CAC), was asked to identify members to participate in the Task Force.

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.

Task Force members reviewed projects from the ORTP 2030 and FYs 2006-2008 TIP, and identified those projects that were of a high priority to the freight industry. A meeting summary of the Freight Task Force is included in Appendix D. The OahuMPO Policy Committee reviewed the Task Force's recommendations and, in September 2006, directed that it be transmitted to the implementing agencies for their consideration when identifying proposed projects for inclusion in the FYs 2008-2011 TIP.

5.3.2 Responses to Recommendations

During the public comment period for the draft TIP, Freight Task Force members were provided with responses to their early input. These responses are summarized in Appendix E. Additional comments were solicited from members of the Freight Task Force on the draft TIP.

6.0 DRAFT TIP DEVELOPMENT

6.1 STIP DEVELOPMENT

The STIP, prepared by the HDOT, is the *Statewide* prioritized program of transportation projects. The selection of projects for inclusion in the TIP is made in conjunction with project selection for the STIP. Upon approval by the OahuMPO Policy Committee and the Governor or her designee, the TIP is incorporated, without change, as the Oahu element of the STIP.

6.2 CALL FOR TIP PROJECTS

In response to the HDOT's call for STIP projects, the OahuMPO sent out a call to the HDOT and DTS for projects they would like considered for inclusion in the FYs 2008-2011 TIP.

A prioritized list of projects proposed for implementation by the City and County of Honolulu was submitted by the City administration to the City Council for consideration and approval. The Council, following a review by the appropriate committee(s), adopted Council Resolution No. 06-362, FD1 (see Appendix F), approving a list of candidate projects and programs for consideration in the preparation of the TIP. All City measures appropriating funds are subject to the public notice and hearing requirements of the City Charter. The DTS submitted the City Council-approved list to the OahuMPO in response to the call for projects.

A prioritized list of projects on Oahu proposed for implementation by the State of Hawaii was submitted by the HDOT. The project listing reflected projects for which legislative appropriations had been made or were to be requested in the 2007 session. State legislative consideration and approval of these projects is subject to the rules of the State House of Representatives and State Senate regarding public notice and testimony.

6.3 DRAFT TIP PROJECT LISTING

After receiving the project proposals from the City and State, the OahuMPO staff met with HDOT and DTS staff to discuss the list of projects and financial constraint. The FTA program of projects was financially constrained. However, the amounts programmed with FHWA funds in each of the four years of the draft TIP were higher than the FHWA amounts estimated to be available for Oahu. Because agreement could not be reached on a way to financially constrain the FHWA program of projects, it was decided that a financially unconstrained draft TIP project list would be released for public comment.

The draft financial plan that was released with the draft TIP project listing contained the following information:

	<i>FY2008</i> <i>(x\$1,000)</i>	<i>FY 2009</i> <i>(x\$1,000)</i>	<i>FY 2010</i> <i>(x\$1,000)</i>	<i>FY 2011</i> <i>(x\$1,000)</i>
<i>Estimate of FHWA funds for Oahu (based on historical amounts)</i>	79,000	79,000	79,000	79,000
<i>Currently Programmed</i>	92,842	97,946	103,214	88,600
<i>Amount Over-programmed</i>	<i>13,842</i>	<i>18,946</i>	<i>24,214</i>	<i>9,600</i>

The FTA program of projects in this draft TIP is financially constrained. The FHWA program of projects in this draft TIP is NOT financially-constrained, because the amounts programmed in each of the four years are higher than the FHWA funds estimated to be available for Oahu. The OahuMPO Policy Committee will approve a financially-constrained TIP project listing. Options available to the Policy Committee to financially constrain the TIP include deleting projects, deferring projects, implementing large

projects in phases, and/or applying FHWA-approved innovative financing techniques. The HDOT may find savings elsewhere in the STIP, thereby increasing the estimate of FHWA funds available for Oahu.

Under SAFETEA-LU, the 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.

All updates to the draft TIP project listing were posted on the OahuMPO website. Everyone who was sent a draft TIP project listing was encouraged to periodically check the website for updates.

7.0 PUBLIC OUTREACH ON THE DRAFT TIP

As discussed in Chapter 5.0, the OahuMPO followed the procedures and strategies as outlined in the OPP throughout the development of the FYs 2008-2011 TIP.

7.1 VISUALIZATION

For visualization purposes, location maps were developed for each project in the draft TIP, as applicable, using geographic information systems software. A PDF of each project location map also was developed such that the user was able to “turn off” and “turn on” layers to compare how each proposed project interacts with other plans and programs (e.g., conservation, natural resources, etc.). These interactive maps were posted on the OahuMPO website during the public comment period. Static versions of the maps, along with the TIP financial plan and details on each TIP project, were also mailed to everyone on the OahuMPO mailing list.

These visualization techniques provided the public, agency staff, elected and appointed officials, and other stakeholders with better opportunities to understand the various projects proposed for the TIP.

7.2 INTERESTED PARTIES

Opportunities were provided to interested parties for reviewing and commenting on the draft TIP. A public meeting on the draft TIP coincided with the OahuMPO CAC’s monthly meeting in May 2007. At this meeting, City and State transportation staff described their agency’s major projects on the draft TIP and answered questions from the public. Agency staff also responded to the CAC’s early input. Their responses, presented in Appendix C, were distributed to everyone at the meeting and were mailed to CAC members who did not attend the meeting.

The agenda for the CAC meeting was posted on the OahuMPO’s website and mailed and e-mailed to the more than four hundred individuals, businesses, and organizations on the OahuMPO mailing list. In addition, the CAC agendas were faxed to the media, including minority newspapers.

Details on each TIP project, including interactive project maps and the TIP financial plan, were also posted on the OahuMPO website during the public comment period. More than four hundred draft documents were distributed during the public review period. As discussed in Chapter 6.0, everyone who was sent the draft TIP project listing was informed that the draft was not financially constrained, and was encouraged to submit comments in support or in opposition of projects in the draft. All presentations on the draft TIP also included information on the financial constraint status. The public was also encouraged to periodically check the OahuMPO website for updates to the TIP project listing.

7.3 AGENCY CONSULTATIONS

Details on the draft TIP and financial plan were also circulated under the 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 were consulted for their perspectives on planning issues, needs, and priorities. Stakeholder agencies were provided with details on each TIP project, as well as compact disks containing the interactive project maps, and were consulted with to ensure compatibility with their respective plans, maps, inventories, and planning documents.

7.4 SUMMARY OF COMMENTS AND RESPONSES

During the development of the FYs 2008-2011 TIP, comments were received from interested parties and government agencies. The

OahuMPO requested that the HDOT and DTS provide responses to the substantive comments that were received. The DTS prepared responses to substantive comments regarding City projects; and the HDOT did the same for State projects. All comments received, as well as the responses, were provided to the Policy Committee for their consideration when selecting the projects for the final TIP project listing. Comments received from the public, as well as their respective responses are summarized in Appendix G. Similarly, comments received as a result of agency consultations and their respective responses are included in Appendix H.

8.0 PROJECT EVALUATIONS

The following technical evaluations were performed on the draft TIP in order to assist the OahuMPO Policy Committee in selecting projects for the FYs 2008-2011 TIP:

- Compliance with SAFETEA-LU planning factors;
- Detailed roadway and transit 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 analysis.

The OahuMPO Technical Advisory Committee reviewed these technical analyses prior to making a recommendation to the OahuMPO Policy Committee.

8.1 SAFETEA-LU PLANNING FACTORS

The eight planning factors, as defined by SAFETEA-LU, generally represent good planning practices that are fully integrated into the OahuMPO's metropolitan transportation planning process. The planning factors are reflected in the structure of the OahuMPO and the OahuMPO's basic planning work products, including the TIP. Details on how projects in the FYs 2008-2011 TIP address each of the planning factors are indicated in Appendix I.

8.2 DETAILED PROJECT EVALUATIONS

Each highway and transit project in the draft TIP was evaluated using the criteria identified in Appendix J. The projects were grouped into the following categories for comparison purposes:

- System preservation projects;
- Safety projects;
- Congestion mitigation projects;
- Modernization projects;
- Enhancement projects;
- Human services transportation programs; and
- Transit projects.

Results of these project evaluations are detailed in Appendix K.

8.3 OAHU REGIONAL TRANSPORTATION PLAN CONSISTENCY

A primary consideration in the selection of projects on Oahu is consistency with the ORTP 2030 that was adopted by the OahuMPO Policy Committee in April 2006 and amended in May 2007. The ORTP 2030 is a regional plan for surface transportation projects that are of regional significance. The projects identified in the ORTP 2030 address the projected surface transportation needs of Oahu's residents and visitors, and are responsive to the needs of the island's commercial and industrial sectors.

Using the ORTP 2030 as the starting point, major projects that were expected to be ready for implementation within the four-year TIP programming period were considered by the State and City. Their requested project listings also included projects relating to safety, maintenance, and the upgrade of existing facilities. Some projects were consistent with the ORTP 2030 goals and objectives but were not specifically identified therein. The early input provided by the OahuMPO CAC and Freight Task Force, as discussed in Chapter 5.0, was also considered by the agencies when developing their proposed project listings.

The last column of the table in Appendix K documents how each of the projects in the FYs 2008-2011 TIP is consistent with the ORTP 2030.

8.4 OAHU REGIONAL ITS ARCHITECTURE CONSISTENCY

Projects in the TIP were evaluated for consistency with the Oahu Regional Intelligent Transportation System Architecture (ORITSA). Appendix L documents how each of the ITS-related projects in the FYs 2008-2011 TIP is consistent with the Oahu Regional ITS Architecture.

8.5 TITLE VI AND ENVIRONMENTAL JUSTICE COMPLIANCE

The draft TIP was analyzed for compliance with Title VI and Environmental Justice. The analysis of the impacts of the FYs 2008-2011 TIP indicated compliance with the principles of environmental justice based on the qualitative performance measures of public participation and the quantitative measures of equity, safety, and population policy. Results of the Title VI and Environmental Justice analysis on the FYs 2008-2011 TIP are summarized in Appendix M.

8.6 CONGESTION MANAGEMENT PROCESS ANALYSIS

Congestion-relief projects proposed for the FYs 2008-2011 TIP were evaluated through the Congestion Management Process (CMP). Each project was modeled using the OahuMPO travel forecasting model. The model results were evaluated with the CMP set of performance measures and then compared with the results of the CMP baseline model run for the Year 2030.

A ranked list of proposed capacity-enhancing projects for the FYs 2008-2011 TIP was achieved by sorting the highway and transit

projects by the points received as a result of the CMP analysis. The resulting prioritized list of projects is shown in Appendix N.

9.0 PROJECT SELECTION

The OahuMPO strives to improve and strengthen the cooperative, continuing, and comprehensive (3-C) planning process on Oahu. In order to realize this goal with the TIP document, the OahuMPO requested early public input from the OahuMPO CAC and Freight Task Force, solicited comments on the draft TIP project listing and financial plan from interested parties, and consulted with agencies involved in planning issues or that may be impacted by this program. The OahuMPO also worked closely with HDOT and DTS to ensure that their needs were being met with the TIP document.

During the discussions to financially constrain the TIP, the HDOT agreed to find savings elsewhere in the STIP, thereby increasing the amount of FHWA funds available for Oahu. As a result, the draft TIP that was sent to the Technical Advisory Committee for action was determined to be financially constrained.

9.1 TECHNICAL ADVISORY COMMITTEE ACTION

The OahuMPO Technical Advisory Committee was presented with the following information prior to acting on the FYs 2008-2011 TIP:

- Agency Comments
 - ◆ Comments on the draft TIP as a result of consultations with agencies and corresponding responses from HDOT and DTS.
- Technical Analysis
 - ◆ Compliance with SAFETEA-LU planning factors;
 - ◆ Consistency with the Oahu Regional Transportation Plan 2030;
 - ◆ Consistency with the Oahu Regional ITS Architecture;
 - ◆ Title VI and Environmental Justice compliance;

- ◆ Congestion Management Process analysis; and
- ◆ Roadway and transit project evaluations.

After their review and discussion of the comments and technical analyses, the Technical Advisory Committee recommended that the OahuMPO Policy Committee endorse the FYs 2008-2011 TIP.

9.2 POLICY COMMITTEE ACTION

The OahuMPO Policy Committee was presented with the following information prior to acting on the FYs 2008-2011 TIP:

- Public Comments
 - ◆ Early project recommendations from the OahuMPO CAC and corresponding responses from HDOT and DTS;
 - ◆ Early project recommendations from the OahuMPO Freight Task Force and corresponding responses from HDOT and DTS; and
 - ◆ Comments on the draft TIP from interested parties and corresponding responses from HDOT and DTS.
- Agency Comments
 - ◆ Comments on the draft TIP as a result of consultations with agencies and corresponding responses from HDOT and DTS.
- Technical Analyses
 - ◆ Compliance with SAFETEA-LU planning factors;
 - ◆ Consistency with the Oahu Regional Transportation Plan 2030;
 - ◆ Consistency with the Oahu Regional ITS Architecture;
 - ◆ Title VI and Environmental Justice compliance;

- ◆ Congestion Management Process analysis; and
- ◆ Roadway and transit project evaluations.

The OahuMPO Policy Committee also accepted oral and written testimony from the public prior to making a decision on the FYs 2008-2011 TIP. After considering and discussing all of the information presented, the OahuMPO Policy Committee endorsed the FYs 2008-2011 TIP.

9.3 GOVERNOR ACTION

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. According to the memorandum, a new designation will be required when there is a change in governors. The TIP was sent to the Governor's designee for approval.

9.4 INCORPORATION INTO THE STIP

Upon approval by the OahuMPO Policy Committee and the Governor or her designee, the FYs 2008-2011 TIP is incorporated, without change, as the Oahu element of the FYs 2008-2011 STIP. The FHWA and FTA jointly determine whether the STIP is based on a statewide transportation planning process that meets the federal requirements.

10.0 REVISIONS TO THE TIP

The FYs 2008-2011 TIP covers a period of four years and will be updated every three 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.”

10.1 ADMINISTRATIVE MODIFICATIONS

Administrative modifications are minor revisions to the TIP. These types of revisions do not require solicitation of public comment or redemonstration of financial constraint. However, the TIP must remain financially constrained, and 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. The OahuMPO Policy Committee has defined two types of administrative modifications: pre-approved and expedited.

10.1.1 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 OahuMPO Policy Committee has pre-approved some administrative modifications as long as the following are true:

- The sum of regular formula FHWA funds programmed for Oahu is not reduced;
- The administrative modifications do not affect financial constraint of the TIP;

- The affected project’s implementing agency concurs with the actions; and
- The administrative modification does not change the scope of the project or the environmental determination.

Administrative modifications that have been pre-approved by the OahuMPO Policy Committee include the following:

- A. The source of federal funds designated for a project may be revised to reflect a different funding program administered by the same U.S. DOT operating agency.
- B. Federal funding for a project may be changed to local funding.
- C. The amount programmed for a project phase may be revised to reflect changes in cost estimates. Additional funding is limited to the lesser of 20 percent of the estimated total project cost or \$2 million.
- D. Additional federal funding, such as congressional earmarks or discretionary funds, may be added to a project currently included in the TIP.
- E. In order to expedite project selection for implementation and ensure timely TIP implementation, projects may be advanced from their programmed year if they are “ready-to-go.”
- F. Projects may be deferred to a later year if they are not “ready-to-go” as originally programmed.
- G. A project phase may be deleted or deferred 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 affected.
- H. Changes may be made to projects that are included in the TIP for illustrative purposes.
- I. A project’s description may be revised or clarified as long as the project’s scope is not affected.

- J. Individually-listed projects may be split or combined as long as the scope remains unchanged, and the funding amounts stay within the guidelines in 10.1.1.C above.
- K. Projects may be added or deleted from grouped listings as long as the funding amounts stay within the guidelines in 10.1.1.C above.

The OahuMPO Policy is provided with copies of pre-approved administrative modifications before the Governor’s approval is requested.

10.1.2 Expedited Administrative Modifications

Requests for expedited approval of the following administrative modifications are submitted directly to the Policy Committee without prior review by the Technical Advisory Committee or solicitation of public comment. The administrative modifications must not affect the financial constraint of the TIP.

Expedited administrative modifications include the following:

- A. Changing a project’s funding from local to federal funds.
- B. Changing the scope of a project to accommodate environmental impact mitigation measures.
- C. Reducing the sum of regular formula FHWA funds programmed for Oahu.
- D. 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.
- E. 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.

10.2 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 and the Policy Committee for action. Financial constraint is redemonstrated, and the technical project evaluations, as discussed in Chapter 8.0, are reevaluated. Public comments are also solicited based on the strategies and procedures outlined in the *OPP*.

Major revisions include the following actions, as well as actions that do not fall within those previously listed in Section 12.1:

- A. Adding a project to the TIP.
- B. Deleting a project from the TIP, including deferring a project to a year that is outside of the four-year TIP.
- C. Switching from FTA to FHWA funds (and vice versa).
- D. Significantly modifying the design concept or design scope of a programmed project (e.g., changing the project termini or the number of through traffic lanes). 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:
 1. Changing from replacement buses to expansion buses (and vice versa);
 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 more than 20 percent.
 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 more than 20 percent.
- E. Revising the amount programmed for a project phase if it increases the estimated total project cost by more than 20 percent or \$2 million.

11.0 PROJECT MONITORING

11.1 SEMI-ANNUAL STATUS REPORTS

The OahuMPO 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.

11.2 ANNUAL LISTING OF OBLIGATED PROJECTS

Every year, the 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 OahuMPO Policy Committee, in addition to everyone who receives the public review draft TIP based on the *OPP*.

Refer to Appendix A for the annual listing of projects that was prepared as of September 30, 2006. Information provided in the FY 2007 annual report will be expanded upon based on the additional requirements in SAFETEA-LU.

12.0 TIP PROJECTS

12.1 PROJECT LISTING

The OahuMPO Policy Committee selected highway and transit projects for inclusion in the FYs 2008 to 2011 TIP. 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 “S” represents a State-sponsored project and a project number preceded by a “C” represents a City-sponsored project.

PROJECT NUMBER	PROJECT NAME	TOTAL AMOUNT PROGRAMMED						ESTIMATED TOTAL PROJECT COST ² (x \$1000)
		FY 2008 (x \$1000)	FY 2009 (x \$1000)	FY 2010 (x \$1000)	FY 2011 (x \$1000)	(For information only)		
						FY 2012 (x \$1000)	FY 2013 (x \$1000)	
FHWA- FUNDED PROJECTS								
<u>State of Hawaii - Sponsored Projects</u>								
S97	Ala Moana Boulevard and Nimitz Highway, Resurfacing, Fort Street Mall to Holomoana Street	0	17,000	0	0	0	0	18,000
S01	Ala Moana Boulevard, Intersection Improvements, Piikoi Street	0	50	0	500	0	0	550
S02	Castle Hills Access Road Drainage Improvements	5,000	0	0	0	0	0	13,100
S03	Farrington Highway, Bridge Rehabilitation, Kaupuni Stream Bridge	0	0	1,500	0	510	9,700	11,710
S04	Farrington Highway, Bridge Replacement, Maipalaoa Bridge	0	0	350	0	12,500	0	15,215
S05	Farrington Highway, Bridge Replacement, Makaha Bridges #3 and #3A	100	0	900	12,500	0	0	14,930
S06	Farrington Highway, Intersection Improvements, Haleakala Avenue	3,000	0	0	0	0	0	3,110
S07	Farrington Highway, Intersection Improvements, Lualualei Homestead Road	0	500	0	4,000	0	0	4,550

PROJECT NUMBER	PROJECT NAME	TOTAL AMOUNT PROGRAMMED						ESTIMATED TOTAL PROJECT COST ² (x \$1000)
		FY 2008 (x \$1000)	FY 2009 (x \$1000)	FY 2010 (x \$1000)	FY 2011 (x \$1000)	(For information only)		
						FY 2012 (x \$1000)	FY 2013 (x \$1000)	
FHWA- FUNDED PROJECTS								
<u>State of Hawaii - Sponsored Projects</u>								
S08	Farrington Highway, Intersection Improvements, Nanakuli Avenue	3,000	0	0	0	0	0	3,110
S09	Fort Barrette Road, Widening, Farrington Highway to Barber's Point Gate	200	0	20,000	0	0	0	23,000
S10	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway, Phase 1B	4,000	4,000	0	0	0	0	44,000
S11	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway, Phase 1C	0	1,825	10,000	0	0	0	44,000
S12	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway, Phase 2A	0	0	1,825	0	10,000	0	44,000
S13	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway, Phase 2B	0	0	0	1,825	0	10,000	44,000
S14	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway, System Manager	0	1,500	0	0	0	0	1,500
S15	Freeway Service Patrol	0	2,000	0	0	0	0	2,000
S16	Guardrail and Shoulder Improvements, Various Locations	0	250	0	1,000	0	0	1,250
S17	Interstate Route H-1, Guardrail and Shoulder Improvements, Kapiolani Interchange to Ainakoa Avenue	0	4,300	0	0	0	0	4,550
S18	Interstate Route H-1, Guardrail and Shoulder Improvements, Middle Street to Punchbowl Street	0	4,000	0	0	0	0	4,250
S19	Interstate Route H-1, Highway Lighting Improvements, Kaimakani Overpass to Gulick Avenue, Phase 1	0	0	6,000	0	0	0	13,000

PROJECT NUMBER	PROJECT NAME	TOTAL AMOUNT PROGRAMMED						ESTIMATED TOTAL PROJECT COST ² (x \$1000)
		FY 2008 (x \$1000)	FY 2009 (x \$1000)	FY 2010 (x \$1000)	FY 2011 (x \$1000)	(For information only)		
						FY 2012 (x \$1000)	FY 2013 (x \$1000)	
FHWA- FUNDED PROJECTS								
<u>State of Hawaii - Sponsored Projects</u>								
S20	Interstate Route H-1, Highway Lighting Improvements, Kaimakani Overpass to Gulick Avenue, Phase 2	0	0	0	0	6,000	0	13,000
S21	Interstate Route H-1, Kapolei Interchange, Phase 2	0	0	0	0	25,000	0	27,400
S22	Interstate Route H-1, Lunalilo Street Off-Ramp and On-Ramp	0	0	1,000	0	0	0	25,000
S23	Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 1	0	5,000	0	0	0	0	50,000
S24	Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 2	0	0	0	10,000	0	0	50,000
S25	Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 3	0	0	0	0	0	10,000	50,000
S27	Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phases 4 & 5	0	0	0	0	1,500	0	50,000
S28	Interstate Route H-1, PM Contraflow, Westbound	0	20,000	0	0	0	0	165,000
S29	Interstate Route H-1, PM Zipper Lane, Westbound	2,000	0	0	0	0	0	165,000
S31	Interstate Route H-1, Seismic Retrofit, Farrington Highway Separation, Makakilo Separation, and Military Road Overpass	80	3,850	0	0	0	0	4,530
S32	Interstate Route H-1, Seismic Retrofit, Pali Highway Overpass and Nuuanu Avenue Separation	0	3,355	0	0	0	0	4,040
S34	Interstate Route H-1, Waiiau Interchange to Halawa Interchange, Widening, Eastbound	0	0	0	4,000	0	0	100,000

PROJECT NUMBER	PROJECT NAME	TOTAL AMOUNT PROGRAMMED						ESTIMATED TOTAL PROJECT COST ² (x \$1000)
		FY 2008 (x \$1000)	FY 2009 (x \$1000)	FY 2010 (x \$1000)	FY 2011 (x \$1000)	(For information only)		
						FY 2012 (x \$1000)	FY 2013 (x \$1000)	
FHWA- FUNDED PROJECTS								
<u>State of Hawaii - Sponsored Projects</u>								
S35	Interstate Route H-1, Waiawa Interchange, Westbound, Waipahu Off-Ramp Improvements	0	0	0	3,000	0	0	23,000
S36	Interstate Route H-1, Ward Avenue On-Ramp to University Interchange, Eastbound	0	1,500	0	0	850	0	17,000
S37	Interstate Route H-3, H-3 Finish, Unit VIIC	500	0	0	0	0	0	2,300
S38	Interstate Route H-3, Seismic Retrofit, Mokapu Boulevard Interchange	0	0	0	2,780	0	0	3,317
S39	Interstate Routes H-1 and H-2, Destination Sign Upgrade/Replacement	0	2,500	0	2,500	0	0	5,500
S40	Kahekili Highway Improvements in the Vicinity of Hui Iwa Street	4,100	0	0	0	0	0	4,500
S41	Kalaeloa Roadway, Improvements, Vicinity of Barber's Point Naval Air Station	0	900	0	0	0	6,800	13,700
S42	Kalaniana'ole Highway, Bicycle Improvements, Waimanalo Beach Park to Makapuu	0	1,000	0	0	0	0	1,633
S43	Kalaniana'ole Highway, Improvements, Olomana Golf Course to Waimanalo Beach Park	250	0	0	0	0	0	40,000
S44	Kalaniana'ole Highway, Improvements, Olomana Golf Course to Waimanalo Beach Park, Phase I	0	0	12,000	0	0	0	40,000
S45	Kalaniana'ole Highway, Improvements, Olomana Golf Course to Waimanalo Beach Park, Phase II	0	750	0	0	12,000	0	40,000
S46	Kalaniana'ole Highway, Improvements, Olomana Golf Course to Waimanalo Beach Park, Phase III	0	0	0	0	0	750	40,000

PROJECT NUMBER	PROJECT NAME	TOTAL AMOUNT PROGRAMMED						ESTIMATED TOTAL PROJECT COST ² (x \$1000)
		FY 2008 (x \$1000)	FY 2009 (x \$1000)	FY 2010 (x \$1000)	FY 2011 (x \$1000)	(For information only)		
						FY 2012 (x \$1000)	FY 2013 (x \$1000)	
FHWA- FUNDED PROJECTS								
<u>State of Hawaii - Sponsored Projects</u>								
S47	Kalaniana'ole Highway, Improvements, Retaining Wall at Makapuu	11,400	0	0	0	0	0	12,600
S48	Kalaniana'ole Highway, Improvements, Vicinity of Hawaii Kai Drive to Keahole Street	2,800	0	0	0	0	0	3,700
S49	Kalaniana'ole Highway, Inoaole Stream Bridge Replacement	100	0	500	6,600	0	0	8,000
S50	Kamehameha Highway, Bridge Rehabilitation, Kaipapau Stream Bridge	500	0	8,800	0	0	0	10,000
S51	Kamehameha Highway, Bridge Rehabilitation, Kawailoa Stream Bridge	0	0	600	0	470	2,375	3,445
S52	Kamehameha Highway, Bridge Rehabilitation, Laieloa Stream Bridge	0	250	0	2,500	0	0	3,475
S53	Kamehameha Highway, Bridge Rehabilitation, Makaua Stream Bridge	600	0	0	225	0	2,750	3,575
S54	Kamehameha Highway, Bridge Rehabilitation, Waikane Stream Bridge	600	0	0	240	0	2,850	3,690
S55	Kamehameha Highway, Bridge Rehabilitation, Waipilopilo Stream Bridge	0	0	380	0	3,000	0	3,970
S56	Kamehameha Highway, Bridge Replacement, Cane Haul Road Structure, In-Bound, Vicinity of Waipahu	0	0	3,500	0	0	0	4,200
S57	Kamehameha Highway, Bridge Replacement, Cane Haul Road Structure, Out-Bound, Vicinity of Waipahu	0	0	3,500	0	0	0	4,200
S58	Kamehameha Highway, Bridge Replacement, Hoolapa Stream (Nanahu) Bridge	0	0	0	0	750	400	1,150

PROJECT NUMBER	PROJECT NAME	TOTAL AMOUNT PROGRAMMED						ESTIMATED TOTAL PROJECT COST ² (x \$1000)
		FY 2008 (x \$1000)	FY 2009 (x \$1000)	FY 2010 (x \$1000)	FY 2011 (x \$1000)	(For information only)		
						FY 2012 (x \$1000)	FY 2013 (x \$1000)	
FHWA- FUNDED PROJECTS								
<u>State of Hawaii - Sponsored Projects</u>								
S59	Kamehameha Highway, Bridge Replacement, Kalauao Springs Bridge, Eastbound	0	0	0	0	750	500	9,250
S60	Kamehameha Highway, Bridge Replacement, Kaluanui Stream Bridge	700	0	0	8,500	0	0	10,065
S61	Kamehameha Highway, Bridge Replacement, Kawela Stream Bridge	150	0	8,000	0	0	0	9,200
S62	Kamehameha Highway, Bridge Replacement, North Kahana Stream Bridge	9,000	0	0	0	0	0	10,265
S63	Kamehameha Highway, Bridge Replacement, South Kahana Stream Bridge	900	0	0	9,500	0	0	11,620
S64	Kamehameha Highway, Bridge Replacement, South Punaluu Stream Bridge	0	16,200	0	0	0	0	17,500
S65	Kamehameha Highway, Bridge Replacement, Upper Poamoho Stream Bridge	0	0	970	0	15,000	0	18,491
S66	Kamehameha Highway, Bridge Replacement, Waiahole Bridge	640	9,365	0	0	0	0	10,500
S68	Kamehameha Highway, Intersection Improvements, Kuilima Drive	300	6,000	0	0	0	0	7,500
S69	Kamehameha Highway, Lighting Improvements, Kawaipuna Street to North Punaluu Bridge	0	0	3,100	0	0	0	3,500
S71	Kamehameha Highway, Rockfall Protection, Vicinity of Kahuku	1,000	0	0	4,000	0	0	5,000
S72	Kamehameha Highway, Rockfall Protection, Vicinity of Wahiawa Town	0	0	0	500	0	0	3,000

PROJECT NUMBER	PROJECT NAME	TOTAL AMOUNT PROGRAMMED						ESTIMATED TOTAL PROJECT COST ² (x \$1000)
		FY 2008 (x \$1000)	FY 2009 (x \$1000)	FY 2010 (x \$1000)	FY 2011 (x \$1000)	(For information only)		
						FY 2012 (x \$1000)	FY 2013 (x \$1000)	
FHWA- FUNDED PROJECTS								
<u>State of Hawaii - Sponsored Projects</u>								
S73	Kamehameha Highway, Rockfall Protection, Waimea Bay	1,500	0	8,500	0	0	0	10,000
S75	Kamehameha Highway, Shoreline Protection, Vicinity of Hauula	0	0	0	500	0	5,200	5,700
S76	Kamehameha Highway, Shoreline Protection, Vicinity of Kaaawa	0	0	0	840	0	10,000	10,840
S77	Kamehameha Highway, Shoreline Protection, Vicinity of Kawaiiloa Beach	0	0	0	400	0	0	2,000
S74	Kamehameha Highway, Shoreline Protection, Vicinity of Punaluu	0	0	5,300	0	0	0	6,000
S78	Kamehameha Highway, Traffic Improvements, Kahuluu to Waimea Bay	0	0	0	1,000	0	12,500	14,500
S79	Kamehameha Highway, Wetland Enhancement, Vicinity of Ukoa Pond	0	0	0	5,500	0	0	6,000
S80	Kamehameha Highway, Widening, Lanikuhana Avenue to Ka Uka Boulevard	0	0	0	0	4,000	3,000	130,000
S81	Leeward Bikeway, Phase 1, Waipio Point Access Road to Hawaii Railroad Society Train Station	800	0	4,000	0	0	0	15,675
S82	Leeward Bikeway, Phase 2, Hawaii Railroad Society Train Station to Lualualei Naval Road	0	0	2,500	0	3,575	0	15,675
S83	Likelike Highway, Intersection Improvements, Kahekili Highway	0	50	0	300	0	0	350
S84	Moanalua Freeway and Interstate Route H-2, Guardrail and Shoulder Improvements	0	4,600	0	0	0	0	4,850

PROJECT NUMBER	PROJECT NAME	TOTAL AMOUNT PROGRAMMED						ESTIMATED TOTAL PROJECT COST ² (x \$1000)
		FY 2008 (x \$1000)	FY 2009 (x \$1000)	FY 2010 (x \$1000)	FY 2011 (x \$1000)	(For information only)		
						FY 2012 (x \$1000)	FY 2013 (x \$1000)	
FHWA- FUNDED PROJECTS								
<u>State of Hawaii - Sponsored Projects</u>								
S86	Moanalua Freeway, Highway Lighting Improvements, Halawa Heights Off-Ramp to the Middle Street Overpass	0	0	0	0	5,400	0	7,500
S85	Moanalua Freeway, Highway Lighting Improvements, Halawa to the H-3 Freeway Overpass	0	0	2,000	0	0	0	7,500
S87	Moanalua Freeway, Seismic Retrofit, Puuloa Interchange, Ramp "A"	0	0	0	0	3,550	0	4,425
S88	Moanalua Freeway, Seismic Retrofit, Puuloa Separation, Ramps "B" and "C"	0	0	0	0	5,700	0	6,930
S89	Nimitz Highway, Intersection Improvements, Valkenburgh Street	0	1,500	0	0	0	0	2,000
S90	North-South Road, Kapolei Parkway to Vicinity of H-1 Freeway, Phase II	0	0	0	0	0	2,000	200,000
S91	Pali Highway, Castle Junction, Rockfall Protection, Kailua Bound	0	1,000	0	0	4,500	0	5,500
S92	Pali Highway, Intersection Improvements at School Street	0	50	0	200	0	0	250
S93	Traffic Signal Modernization, Various Locations, Waiialae Avenue and Nimitz, Farrington, Pali, and Likelike Highways	4,500	0	0	0	0	0	5,000
S95	Vanpool Program, Oahu	2,000	2,000	2,000	2,000	2,000	2,000	12,000
S96	Vineyard Boulevard, Improvements, Vicinity of Queen's Medical Center	10,000	0	0	0	0	0	10,000
State of Hawaii - FHWA Total		69,720	115,295	107,225	84,910	117,055	80,825	1,905,336

PROJECT NUMBER	PROJECT NAME	TOTAL AMOUNT PROGRAMMED					(For information only)		ESTIMATED TOTAL PROJECT COST ² (x \$1000)
		FY 2008 (x \$1000)	FY 2009 (x \$1000)	FY 2010 (x \$1000)	FY 2011 (x \$1000)	FY 2012 (x \$1000)	FY 2013 (x \$1000)		
FHWA- FUNDED PROJECTS									
<u>City and County of Honolulu - Sponsored Projects</u>									
C01	Alapai Transportation Management Center	73,390	0	0	0	0	0	73,390	
C02	Bridge Inspection and Appraisal	350	420	450	450	450	450	2,570	
C03	Computerized Traffic Control System	3,471	3,481	3,481	3,481	3,555	3,555	20,249	
C04	Kapiolani Boulevard Reconstruction, Phases 1 and 2	0	22,000	0	30,000	0	0	52,000	
C05	Kapunahala Stream Flood Control Project	100	10,000	0	0	0	0	10,100	
C06	Makakilo Drive Extension	3,000	0	34,499	0	0	0	37,500	
C08	Seismic Bridge Retrofit	450	0	1,500	0	600	0	2,550	
C10	Traffic Improvements at Various Locations	2,290	1,200	1,200	1,200	1,200	1,200	8,290	
C11	Traffic Signal Maintenance Facility	3,860	21	0	0	0	0	3,881	
C12	Traffic Signal Optimization	1,500	1,250	1,250	1,250	563	375	6,188	
C13	Traffic Signals at Various Locations	3,032	3,397	3,397	3,397	3,397	3,397	19,392	
C14	Waipio Point Access Road Improvements	4,950	0	0	0	0	0	4,950	
City and County of Honolulu - FHWA Total		96,393	41,769	45,777	39,778	9,765	8,977	241,060	
FHWA TOTAL		166,113	157,064	153,002	124,688	126,820	89,802	2,146,396	

PROJECT NUMBER	PROJECT NAME	TOTAL AMOUNT PROGRAMMED					ESTIMATED TOTAL PROJECT COST ²	
		FY 2008 (x \$1000)	FY 2009 (x \$1000)	FY 2010 (x \$1000)	FY 2011 (x \$1000)	(For information only) FY 2012 FY 2013 (x \$1000) (x \$1000)		(x \$1000)
FTA- FUNDED PROJECTS								
<u>City and County of Honolulu - Sponsored Projects</u>								
C15	Alapai Transit & Joint Traffic Management Center	5,503	0	0	0	0	0	5,503
C16	Bus and Handi-Van Acquisition Program	25,170	21,250	21,250	21,250	34,000	34,000	156,920
C17	Honolulu High Capacity Transit Corridor Project	85,000	265,000	255,000	305,000	305,000	305,000	3,600,000
C18	Intra-Island Ferry	5,400	3,500	0	0	0	0	8,900
C19	Middle Street Intermodal Center	17,500	36,000	0	0	0	0	53,500
C20	Preventive Maintenance	37,092	38,483	39,926	41,423	42,976	44,588	244,488
C21	Transfer to FHWA for Vanpool	1,230	1,265	1,300	1,337	1,374	1,413	7,919
C22	Transit Security Projects	452	452	452	452	452	452	2,712
C23	West Oahu Bus and Handi-Van Maintenance Facility	0	1,251	21,003	0	0	0	22,254
C24	Windward Transit Center	0	101	222	2,314	0	0	2,637
City and County of Honolulu - FTA Total		177,347	367,302	339,153	371,776	383,802	385,453	4,104,833
FTA TOTAL		177,347	367,302	339,153	371,776	383,802	385,453	4,104,833

² Estimated total project cost may extend beyond the four years of the TIP.

12.2 PROJECT INFORMATION SHEETS

The project information sheets are in the order of TIP project identification number, with projects sponsored by the State of Hawaii presented first, followed by City-sponsored projects. The project details include the following descriptive information:

- Project location map;
- Project description;
- Neighborhood(s), which generally follow the City and County of Honolulu Neighborhood Board boundaries and names;
- Estimated total project cost, which may extend beyond the four years of the TIP;
- Project sponsor;
- Agency responsible for carrying out the project/phase;
- Amount programmed for each phase of the project, including years 2012 and 2013 for informational purposes only; and
- Federal funding categories, as applicable.

S01 Ala Moana Boulevard, Intersection Improvements, Piikoi Street



Project Description:
Perform operational and safety improvements at the Piikoi Street and Ala Moana Boulevard intersection.

Neighborhood(s): Ala Moana-Kakaako

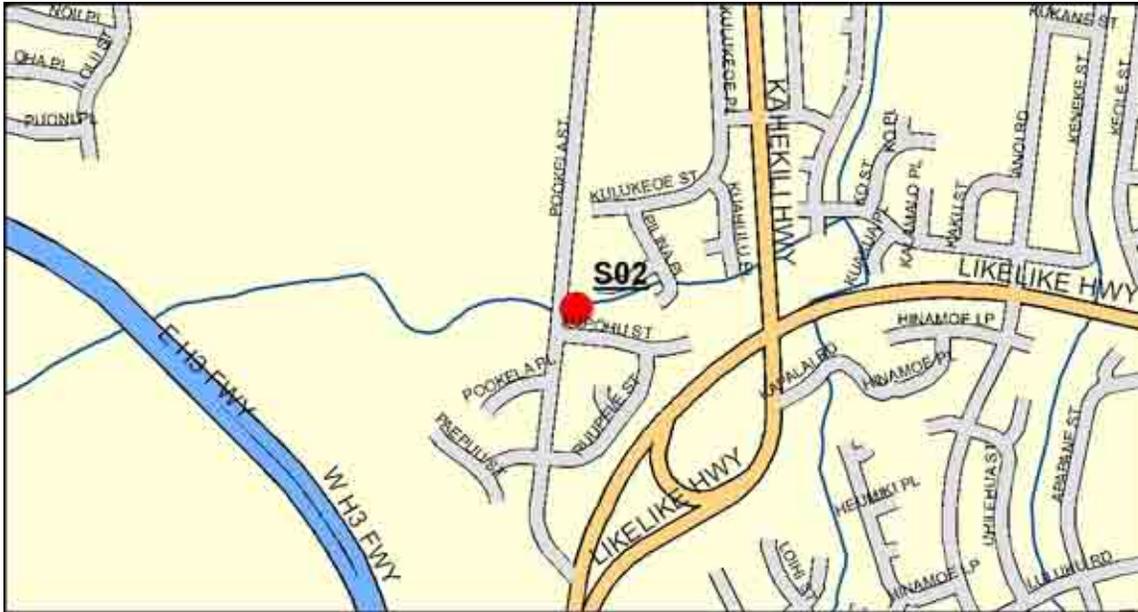
Total Estimated Project Cost: \$550,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category	
	Total	Federal	Local	FY 2012			FY 2013													
	(x\$1000)	Total	Federal	Local	Total	Federal	Local													
DES	0	0	0	50	45	5	0	0	0	0	0	0	0	0	0	0	0	0	0	HSIP
CON	0	0	0	0	0	0	0	0	0	500	450	50	0	0	0	0	0	0	0	HSIP

S02 Castle Hills Access Road Drainage Improvements



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

Total Estimated Project Cost: \$13,100,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category		
	Total	Federal	Local	FY 2012			FY 2013														
	(x\$1000)	Total	Federal	Local	Total	Federal	Local														
ROW/CON	5,000	4,000	1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Section 115

S03 Farrington Highway, Bridge Rehabilitation, Kaupuni Stream Bridge



Project Description:

Widen existing three-span 149-foot long concrete T-beam bridge by about 18.5 feet and strengthen existing portion to meet current State standards.

Neighborhood(s): Waianae Coast

Total Estimated Project Cost: \$11,710,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY FY 2012			FY 2013			Funding Category
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local										
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)													
ROW	0	0	0	0	0	0	0	0	0	0	0	0	510	408	102	0	0	0	Bridge On
DES	0	0	0	0	0	0	1,500	1,200	300	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	9,700	7,760	1,940	Bridge On

S04 Farrington Highway, 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

Total Estimated Project Cost: \$15,215,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category	
	Total	Federal	Local	FY 2012			FY 2013													
	(x\$1000)	Total	Federal	Local	Total	Federal	Local													
ROW	0	0	0	0	0	0	350	280	70	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	12,500	10,000	2,500	0	0	0	0	Bridge On

S05 Farrington Highway, Bridge Replacement, Makaha Bridges #3 and #3A



Project Description:
Replace a timber bridge in the vicinity of Makaha Beach Park.

Neighborhood(s): Waianae Coast

Total Estimated Project Cost: \$14,930,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category		
	Total	Federal	Local	FY 2012			FY 2013														
	(x\$1000)	Total	Federal	Local	Total	Federal	Local														
PREROW	100	80	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bridge On	
ROW	0	0	0	0	0	0	900	720	180	0	0	0	0	0	0	0	0	0	0	0	Bridge On
CON	0	0	0	0	0	0	0	0	0	12,500	10,000	2,500	0	0	0	0	0	0	0	0	Bridge On

S06 Farrington Highway, Intersection Improvements, Haleakala Avenue



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

Total Estimated Project Cost: \$3,110,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
													FY 2012			FY 2013			
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	2,000	1,600	400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	HSIP

S07 Farrington Highway, Intersection Improvements, Lualualei Homestead Road



Project Description:

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

Neighborhood(s): Waiānae Coast

Total Estimated Project Cost: \$4,550,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category	
	Total	Federal	Local	FY 2012			FY 2013													
	(x\$1000)	Total	Federal	Local	Total	Federal	Local													
ROW	0	0	0	500	400	100	0	0	0	0	0	0	0	0	0	0	0	0	0	HSIP
CON	0	0	0	0	0	0	0	0	0	4,000	3,200	800	0	0	0	0	0	0	0	HSIP

S08 Farrington Highway, Intersection Improvements, Nanakuli Avenue



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

Total Estimated Project Cost: \$3,110,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category	
	Total	Federal	Local	FY 2012			FY 2013													
	(x\$1000)	Total	Federal	Local	Total	Federal	Local													
CON	3,000	2,400	600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	HSIP

S09 Fort Barrette Road, Widening, Farrington Highway 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

Total Estimated Project Cost: \$23,000,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category	
													FY 2012			FY 2013				
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	200	0	200	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	20,000	14,000	6,000	0	0	0	0	0	0	0	0	0	0	STP Flex

S10 Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway, Phase 1B



Project Description:

Manage and guide the Intelligent Transportation System (ITS) program. The project includes software development, equipment procurement assistance, acceptance testing, performance monitoring, and strategic planning. The project consists of installation of closed-circuit television (CCTV) cameras, vehicle detectors, cabinets, and communication equipment. Minor interior modifications of the H-3 Control Center will be done to accommodate system improvements. Phase 1 involves the development of the CCTV system.

Neighborhood(s): Various Locations

Total Estimated Project Cost: \$44,000,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FY 2012		FY 2013													
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)														
CON	4,000	3,200	800	4,000	3,200	800	0	0	0	0	0	0	0	0	0	0	0	0	IM

S11 Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway, Phase 1C



Project Description:

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

Neighborhood(s): Various Locations

Total Estimated Project Cost: \$44,000,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FY 2012			FY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
DES	0	0	0	1,825	1,460	365	0	0	0	0	0	0	0	0	0	0	0	0	NHS
CON	0	0	0	0	0	0	10,000	8,000	2,000	0	0	0	0	0	0	0	0	0	NHS

S12 Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway, Phase 2A



Project Description:

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

Neighborhood(s): Various Locations

Total Estimated Project Cost: \$44,000,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category	
	Total	Federal	Local	FY 2012			FY 2013													
	(x\$1000)	Total	Federal	Local	Total	Federal	Local													
DES	0	0	0	0	0	0	1,825	1,460	365	0	0	0	0	0	0	0	0	0	0	IM
CON	0	0	0	0	0	0	0	0	0	0	0	0	10,000	8,000	2,000	0	0	0	IM	

S13 Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway, Phase 2B



Project Description:

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

Neighborhood(s): Various Locations

Total Estimated Project Cost: \$44,000,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

FOR INFORMATION ONLY

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FY 2012			FY 2013			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	1,825	1,460	365	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

S14 Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway, 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

Total Estimated Project Cost: \$1,500,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FY 2012			FY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
DES	0	0	0	1,500	1,200	300	0	0	0	0	0	0	0	0	0	0	0	0	IM

S15 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

Total Estimated Project Cost: \$2,000,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
													FY 2012			FY 2013			
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	2,000	1,600	400	0	0	0	0	0	0	0	0	0	0	0	0	NHS

S16 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. Planned intersections include:

1. H-1 - Palailai Interchange to Ainakoa Avenue
2. H-2 - Waiawa Interchange to Wilikina Drive
3. H-3 - Halawa Interchange to Kaneohe Marine Corps Base Hawaii
4. H-201 - Halawa Interchange to Middle Street
5. Nimitz Highway - Pearl Harbor Interchange to Pearl Harbor and Hickam Air Force Base main gates
6. Wilikina Drive - Kamehameha Highway to Schofield Barracks
7. Kamehameha Highway - Wheeler Army Air Field to Wilikina Drive
8. Kamehameha Highway - Pearl Harbor Interchange to Pearl Harbor
9. Barbers Point Access Road - Makakilo Interchange to Barbers Point
10. Puuloa Road and Jarrett White Road - H-201 to Tripler Hospital
11. Middle Street - Kahauiki Interchange to Fort Shafter
12. Kunia Road - Schofield Barracks Kunia Gate to Wilikina Drive
13. Nimitz Highway and Ala Moana Boulevard - Middle St. to Kalakaua Ave.
14. Sand Island Access Road - Nimitz Highway to the Coast Guard Station
15. Kalaniana'ole Highway - Ainakoa Avenue to Keahole Street
16. Pali and Kalaniana'ole Highways - Vineyard Boulevard to Kailua Road
17. Farrington Highway - Palailai Interchange to Makaha Urban Boundary
18. Kalaeloa Boulevard and Malakole Street - Palailai IC to Barbers Point
19. Kamehameha and Likelike Highways - Kahekili Highway to Pali Highway
20. Kahekili and Kamehameha Hwys - Likelike Highway to Laie

Neighborhood(s): Various Locations

Total Estimated Project Cost: \$1,250,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY			Funding Category	
	Total	Federal	Local	Total	Federal	Local											
	(x\$1000)	(x\$1000)	(x\$1000)														
DES	0	0	0	250	200	50	0	0	0	0	0	0	0	0	0	0	HSIP
CON	0	0	0	0	0	0	0	0	0	1,000	800	200	0	0	0	0	HSIP

S17 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

Total Estimated Project Cost: \$4,550,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FY 2012			FY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
CON	0	0	0	4,300	3,870	430	0	0	0	0	0	0	0	0	0	0	0	0	IM

S18 Interstate Route H-1, Guardrail and Shoulder Improvements, Middle Street to Punchbowl Street



Project Description:

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

Neighborhood(s): Kalihi-Palama, Downtown

Total Estimated Project Cost: \$4,250,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FY 2012			FY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
CON	0	0	0	4,000	3,600	400	0	0	0	0	0	0	0	0	0	0	0	0	IM

S19 Interstate Route H-1, Highway Lighting Improvements, Kaimakani Overpass to Gulick Avenue, Phase 1



Project Description:

Upgrade/replace existing freeway lighting.

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

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

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008						FY 2009						FY 2010						FY 2011						FOR INFORMATION ONLY						Funding Category
	Total		Federal		Local		Total		Federal		Local		Total		Federal		Local		Total		Federal		Local		Total		Federal		Local		
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)																										
CON	0	0	0	0	0	0	6,000	4,800	1,200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	IM	

S20 Interstate Route H-1, Highway Lighting Improvements, Kaimakani Overpass to Gulick Avenue, Phase 2



Project Description:

Upgrade/replace existing freeway lighting.

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

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

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FY 2012			FY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
CON	0	0	0	0	0	0	0	0	0	0	0	0	6,000	4,800	1,200	0	0	0	NHS

S21 Interstate Route H-1, Kapolei Interchange, Phase 2



Project Description:

Phase 2 completes the Kapolei Interchange Complex. 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. 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

Total Estimated Project Cost: \$27,400,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FY 2012			FY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
CON	0	0	0	0	0	0	0	0	0	0	0	0	25,000	22,500	2,500	0	0	0	NHS

S22 Interstate Route H-1, Lunalilo Street Off-Ramp and On-Ramp



Project Description:

Improve the westbound lanes by modifying the weaving movements between the Lunalilo Street on-ramp and the Vineyard Boulevard off-ramp.

Neighborhood(s): Makiki-Lower Punchbowl-Tantalus

Total Estimated Project Cost: \$25,000,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008						FY 2009						FY 2010						FY 2011						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)																										
DES	0	0	0	0	0	0	1,000	800	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	IM	

S23 Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 1



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

Total Estimated Project Cost: \$50,000,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FY 2012			FY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
CON	0	0	0	5,000	4,500	500	0	0	0	0	0	0	0	0	0	0	0	0	IM

S24 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

Total Estimated Project Cost: \$50,000,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FY 2012			FY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
CON	0	0	0	0	0	0	0	0	0	10,000	9,000	1,000	0	0	0	0	0	0	IM

S25 Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 3



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

Total Estimated Project Cost: \$50,000,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
													FY 2012			FY 2013			
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	10,000	9,000	1,000	NHS

S27 Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phases 4 & 5



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

Total Estimated Project Cost: \$50,000,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
													FY 2012			FY 2013			
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	1,500	1,350	150	0	0	0	IM

S28 Interstate Route H-1, PM Contraflow, Westbound



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. This project involves restriping the Interstate H-1 from the Waiawa Interchange to Waikele.

Neighborhood(s): Waipahu

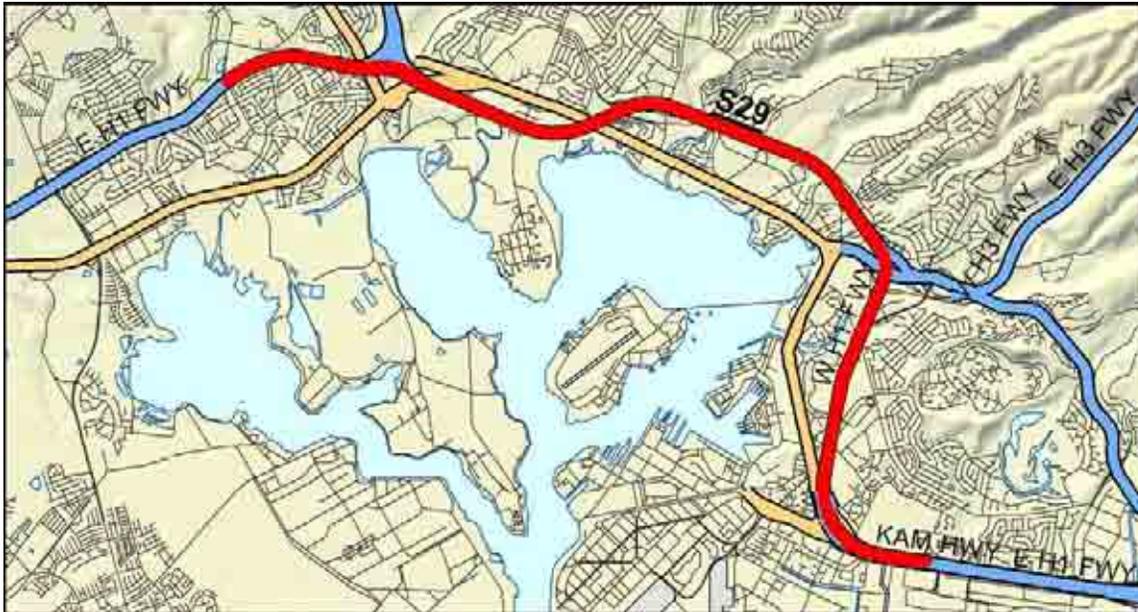
Total Estimated Project Cost: \$165,000,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FY 2012			FY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
CON	0	0	0	20,000	0	20,000	0	0	0	0	0	0	0	0	0	0	0	0	Local Only

S29 Interstate Route H-1, PM Zipper Lane, Westbound



Project Description:

Develop a PM zipper lane alternative from Radford Drive to the Waialeale Interchange.

Neighborhood(s): Airport, Aiea, Pearl City, Waipahu

Total Estimated Project Cost: \$165,000,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FOR INFORMATION ONLY																		Funding Category	
	FY 2008			FY 2009			FY 2010			FY 2011			FY 2012			FY 2013				
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	2,000	0	2,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only

S31 Interstate Route H-1, Seismic Retrofit, Farrington Highway Separation, Makakilo Separation, and Military Road Overpass



Project Description:

Seismic retrofit existing 332-, 251-, 278-foot long bridges to meet current State seismic criteria.

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

Total Estimated Project Cost: \$4,530,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category	
													FY 2012			FY 2013				
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	80	64	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bridge On
CON	0	0	0	3,850	3,080	770	0	0	0	0	0	0	0	0	0	0	0	0	0	Bridge On

S32 Interstate Route H-1, Seismic Retrofit, Pali Highway Overpass and Nuuanu Avenue Separation



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

Neighborhood(s): Nuuanu-Punchbowl, Downtown

Total Estimated Project Cost: \$4,040,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FOR INFORMATION ONLY																		Funding Category	
	FY 2008			FY 2009			FY 2010			FY 2011			FY 2012			FY 2013				
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	3,355	2,684	671	0	0	0	0	0	0	0	0	0	0	0	0	0	Bridge On

S34 Interstate Route H-1, Waiiau Interchange to Halawa Interchange, Widening, Eastbound



Project Description:

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

Neighborhood(s): Pearl City, Aiea

Total Estimated Project Cost: \$100,000,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FY 2012			FY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
DES	0	0	0	0	0	0	0	0	0	4,000	3,200	800	0	0	0	0	0	0	NHS

S35 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

Total Estimated Project Cost: \$23,000,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FY 2012			FY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
DES	0	0	0	0	0	0	0	0	0	3,000	2,700	300	0	0	0	0	0	0	IM

S36 Interstate Route H-1, Ward Avenue On-Ramp to University Interchange, Eastbound



Project Description:

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

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

Total Estimated Project Cost: \$17,000,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008						FY 2009						FY 2010						FY 2011						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)																										
PLN	0	0	0	1,500	1,200	300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHS	
DES	0	0	0	0	0	0	0	0	0	0	0	0	0	850	680	170	0	0	0	0	0	0	0	0	0	0	0	0	NHS		

S37 Interstate Route H-3, H-3 Finish, Unit VIIC



Project Description:

Construct stream channel improvements near the Animal Quarantine Station in Halawa Valley.

Neighborhood(s): Aiea

Total Estimated Project Cost: \$2,300,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FOR INFORMATION ONLY																		Funding Category	
	FY 2008			FY 2009			FY 2010			FY 2011			FY 2012			FY 2013				
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	500	450	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Discret

S38 Interstate Route H-3, Seismic Retrofit, Mokapu Boulevard Interchange



Project Description:

Retrofit the interchange structure to meet current seismic standards.

Neighborhood(s): Mokapu, Kailua

Total Estimated Project Cost: \$3,317,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FOR INFORMATION ONLY																		Funding Category
	FY 2008			FY 2009			FY 2010			FY 2011			FY 2012			FY 2013			
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	2,780	2,224	556	0	0	0	0	0	0	Bridge On

S39 Interstate Routes H-1 and 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

Total Estimated Project Cost: \$5,500,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category	
	Total	Federal	Local	FY 2012			FY 2013													
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)														
<i>Phase 1</i>																				
CON	0	0	0	2,500	2,250	250	0	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	2,500	2,250	250	0	0	0	0	0	0	0	NHS

S40 Kahekili Highway Improvements in the Vicinity of Hui Iwa Street



Project Description:

Construct operational improvements to the Kahekili Highway/Hui Iwa Street intersections that include acceleration lanes and turning lanes. Project will include asphalt concrete pavement, highway lighting, guardrail, signing, and pavement markings.

Neighborhood(s): Kahaluu

Total Estimated Project Cost: \$4,500,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FOR INFORMATION ONLY																		Funding Category
	FY 2008			FY 2009			FY 2010			FY 2011			FY 2012			FY 2013			
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	4,100	3,280	820	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHS

S41 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

Total Estimated Project Cost: \$13,700,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
													FY 2012			FY 2013			
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	900	720	180	0	0	0	0	0	0	0	0	0	800	640	160	NHS
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,000	4,800	1,200	NHS

S42 Kalaniana'ole Highway, Bicycle Improvements, Waimanalo Beach Park to Makapuu



Project Description:

Improve bike route on Kalaniana'ole Highway, from Huli Street to Makapuu Beach Park.

Neighborhood(s): Waimanalo

Total Estimated Project Cost: \$1,633,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FOR INFORMATION ONLY																		Funding Category	
	FY 2008			FY 2009			FY 2010			FY 2011			FY 2012			FY 2013				
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	1,000	800	200	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex

S43 Kalaniana'ole Highway, Improvements, Olomana Golf Course to Waimanalo Beach Park



Project Description:

Construct traffic operational and safety improvements. Project includes turning lanes, bus pullouts, and lighting improvements.

Neighborhood(s): Waimanalo, Kailua

Total Estimated Project Cost: \$40,000,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category	
	Total	Federal	Local	FY 2012			FY 2013													
	(x\$1000)	Total	Federal	Local	Total	Federal	Local													
ROW	250	200	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Earmark HP

S44 Kalaniana'ole Highway, Improvements, Olomana Golf Course to Waimanalo Beach Park, Phase I



Project Description:

Construct traffic operational and safety improvements on Kalaniana'ole Highway, from Old Kalaniana'ole Road to Poalima Street. Project includes turning lanes, bus pullouts, and lighting improvements.

Neighborhood(s): Waimanalo, Kailua

Total Estimated Project Cost: \$40,000,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FY 2012			FY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
CON	0	0	0	0	0	0	12,000	9,600	2,400	0	0	0	0	0	0	0	0	0	STP Flex

S45 Kalaniana'ole Highway, Improvements, Olomana Golf Course to Waimanalo Beach Park, Phase II



Project Description:

Construct 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

Total Estimated Project Cost: \$40,000,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category	
													FY 2012			FY 2013				
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	750	600	150	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
CON	0	0	0	0	0	0	0	0	0	0	0	0	12,000	9,600	2,400	0	0	0	0	STP Flex

S46 Kalaniana'ole Highway, Improvements, Olomana Golf Course to Waimanalo Beach Park, Phase III



Project Description:

Construct traffic operational and safety improvements on Kalaniana'ole Highway, from Aloiloi Street to Waimanalo Beach Park. Project includes turning lanes, bus pullouts, and lighting improvements.

Neighborhood(s): Waimanalo

Total Estimated Project Cost: \$40,000,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FY 2012			FY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
DES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	750	600	150	STP Flex

S47 Kalaniana'ole Highway, Improvements, Retaining Wall at Makapuu



Project Description:

Repair/reconstruct a retaining wall along Kalaniana'ole Highway in the vicinity of Makapuu. The project will stabilize the roadway and slopes, and install rockfall mitigation measures.

Neighborhood(s): Waimanalo

Total Estimated Project Cost: \$12,600,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FY 2012			FY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
CON	11,400	9,120	2,280	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHS

S48 Kalaniana'ole Highway, Improvements, Vicinity of Hawaii Kai Drive to Keahole Street



Project Description:

Add an additional townbound lane from Hawaii Kai Drive to Keahole Street. The project will include utility relocation, asphalt concrete pavement, sidewalk, highway lighting, landscaping, irrigation, guardrail, signing, and pavement markings.

Neighborhood(s): Hawaii Kai

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

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
													FY 2012			FY 2013			
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	2,800	2,240	560	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHS

S50 Kamehameha Highway, Bridge Rehabilitation, Kaipapau Stream Bridge



Project Description:
Rehabilitate the existing bridge.

Neighborhood(s): Koolauloa

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

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category	
													FY 2012			FY 2013				
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	500	400	100	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	8,800	7,040	1,760	0	0	0	0	0	0	0	0	0	0	Bridge On

S51 Kamehameha Highway, Bridge Rehabilitation, Kawailoa Stream Bridge



Project Description:

Rehabilitate the existing bridge by widening and strengthening to meet current State standards.

Neighborhood(s): North Shore

Total Estimated Project Cost: \$3,445,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008						FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category		
	Total		Federal	Local	Total		Federal	Local																
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)																			
ROW	0	0	0	0	0	0	0	0	0	0	0	0	0	470	375	95	0	0	0	0	0	0	Bridge On	
DES	0	0	0	0	0	0	0	0	600	480	120	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	2,375	1,900	475	0	0	0	0	Bridge On

S52 Kamehameha Highway, Bridge Rehabilitation, Laieloa Stream Bridge



Project Description:

Rehabilitate the existing concrete slab bridge on Kamehameha Highway in the vicinity of Laie.

Neighborhood(s): Koolauloa

Total Estimated Project Cost: \$3,475,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FOR INFORMATION ONLY																		Funding Category	
	FY 2008			FY 2009			FY 2010			FY 2011			FY 2012			FY 2013				
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	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	2,500	2,000	500	0	0	0	0	0	0	0	Bridge On

S53 Kamehameha Highway, Bridge Rehabilitation, Makaua Stream Bridge



Project Description:

Rehabilitate the existing 44-foot long bridge by widening and strengthening to meet current State standards.

Neighborhood(s): Koolauloa

Total Estimated Project Cost: \$3,575,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
													FY 2012			FY 2013			
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	0	0	0	0	0	0	225	180	45	0	0	0	0	0	0	Bridge On
DES	600	480	120	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	0	0	0	2,750	2,200	550	Bridge On

S54 Kamehameha Highway, Bridge Rehabilitation, Waikane Stream Bridge



Project Description:

Rehabilitate the existing 44-foot long bridge by widening and strengthening to meet current State standards.

Neighborhood(s): Kahaluu

Total Estimated Project Cost: \$3,690,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category	
	Total	Federal	Local	FY 2012			FY 2013													
	(x\$1000)	Total	Federal	Local	Total	Federal	Local													
ROW	0	0	0	0	0	0	0	0	0	240	190	50	0	0	0	0	0	0	0	Bridge On
DES	600	480	120	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	0	0	0	0	2,850	2,280	570	Bridge On

S55 Kamehameha Highway, Bridge Rehabilitation, Waipilopilo Stream Bridge



Project Description:

Rehabilitate the existing concrete T-bridge on Kamehameha Highway in the vicinity of Hauula.

Neighborhood(s): Koolauloa

Total Estimated Project Cost: \$3,970,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category	
	Total	Federal	Local	FY 2012			FY 2013													
	(x\$1000)	Total	Federal	Local	Total	Federal	Local													
ROW	0	0	0	0	0	0	380	305	75	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	3,000	2,400	600	0	0	0	Bridge On	

S57 Kamehameha Highway, Bridge Replacement, Cane Haul Road Structure, Out-Bound, Vicinity of Waipahu



Project Description:
Replace the existing bridge.

Neighborhood(s): Waipahu

Total Estimated Project Cost: \$4,200,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FOR INFORMATION ONLY																		Funding Category	
	FY 2008			FY 2009			FY 2010			FY 2011			FY 2012			FY 2013				
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	3,500	2,800	700	0	0	0	0	0	0	0	0	0	0	Bridge On

S58 Kamehameha Highway, Bridge Replacement, Hoolapa Stream (Nanahu) Bridge



Project Description:
Replace the existing bridge.

Neighborhood(s): Koolauloa

Total Estimated Project Cost: \$1,150,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
													FY 2012			FY 2013			
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	0	0	0	0	0	0	0	0	0	0	0	0	400	320	80	Bridge On
DES	0	0	0	0	0	0	0	0	0	0	0	0	750	600	150	0	0	0	Bridge On

S59 Kamehameha Highway, Bridge Replacement, Kalauao Springs Bridge, Eastbound



Project Description:
Replace the existing bridge.

Neighborhood(s): Aiea

Total Estimated Project Cost: \$9,250,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
	Total		Local	FY 2012		FY 2013													
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)														
ROW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	500	400	100	Bridge On
DES	0	0	0	0	0	0	0	0	0	0	0	0	750	600	150	0	0	0	Bridge On

S62 Kamehameha Highway, Bridge Replacement, North Kahana Stream Bridge



Project Description:
Replace the existing bridge.

Neighborhood(s): Koolauloa

Total Estimated Project Cost: \$10,265,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category			
	Total	Federal	Local	FY 2012			FY 2013															
	(x\$1000)	Total	Federal	Local	Total	Federal	Local															
CON	9,000	7,200	1,800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bridge On

S63 Kamehameha Highway, Bridge Replacement, South Kahana Stream Bridge



Project Description:
Replace the existing bridge.

Neighborhood(s): Koolauloa

Total Estimated Project Cost: \$11,620,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category	
	FY 2012			FY 2013			FY 2012			FY 2013			FY 2012			FY 2013				
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	900	720	180	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	9,500	7,600	1,900	0	0	0	0	0	0	0	Bridge On

S64 Kamehameha Highway, Bridge Replacement, South Punaluu Stream Bridge



Project Description:
Replace the existing bridge.

Neighborhood(s): Koolauloa

Total Estimated Project Cost: \$17,500,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FOR INFORMATION ONLY																		Funding Category	
	FY 2008			FY 2009			FY 2010			FY 2011			FY 2012			FY 2013				
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	16,200	12,960	3,240	0	0	0	0	0	0	0	0	0	0	0	0	0	Bridge On

S68 Kamehameha Highway, Intersection Improvements, Kuilima Drive



Project Description:

Construct safety improvements at the Turtle Bay intersection. Improve sight distance and adjustments to the nearby bridge structure.

Neighborhood(s): Koolauloa

Total Estimated Project Cost: \$7,500,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FOR INFORMATION ONLY																		Funding Category
	FY 2008			FY 2009			FY 2010			FY 2011			FY 2012			FY 2013			
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	300	0	300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
CON	0	0	0	6,000	4,800	1,200	0	0	0	0	0	0	0	0	0	0	0	0	NHS

S69 Kamehameha Highway, Lighting Improvements, Kawaipuna Street to North Punaluu Bridge



Project Description:

Upgrade/replace roadway lighting from Kawaipuna Street (milepost 20.7) to North Punaluu Bridge (milepost 23.8).

Neighborhood(s): Koolauloa

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

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FY 2012			FY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
CON	0	0	0	0	0	0	3,100	2,480	620	0	0	0	0	0	0	0	0	0	NHS

S71 Kamehameha Highway, Rockfall Protection, Vicinity of Kahuku



Project Description:

Initiate rockfall mitigation measures along Kamehameha Highway in the vicinity of Kahuku.

Neighborhood(s): Koolauloa

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

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FOR INFORMATION ONLY																		Funding Category
	FY 2008			FY 2009			FY 2010			FY 2011			FY 2012			FY 2013			
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	1,000	800	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHS
CON	0	0	0	0	0	0	0	0	0	4,000	3,200	800	0	0	0	0	0	0	NHS

S72 Kamehameha Highway, Rockfall Protection, Vicinity of Wahiawa Town



Project Description:

Initiate rockfall mitigation measures along Kamehameha Highway in the vicinity of Wahiawa.

Neighborhood(s): Wahiawa

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

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
													FY 2012			FY 2013			
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	500	400	100	0	0	0	0	0	0	NHS

S73 Kamehameha Highway, Rockfall Protection, Waimea Bay



Project Description:

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

Neighborhood(s): North Shore

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

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008						FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
	Total		Federal	Local	Total		Federal	Local														
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)																	
DES	1,500	1,200	300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHS	
CON	0	0	0	0	0	0	8,500	6,800	1,700	0	0	0	0	0	0	0	0	0	0	0	NHS	

S74 Kamehameha Highway, Shoreline Protection, Vicinity of Punaluu



Project Description:

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

Neighborhood(s): Koolauloa

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

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FOR INFORMATION ONLY																				Funding Category
	FY 2008			FY 2009			FY 2010			FY 2011			FY 2012			FY 2013					
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	5,300	4,240	1,060	0	0	0	0	0	0	0	0	0	0	NHS	

S75 Kamehameha Highway, Shoreline Protection, Vicinity of Hauula



Project Description:

Construct shoreline protection measures for areas in Hauula (#14) susceptible to ocean erosion due to high wave action.

Neighborhood(s): Koolauloa

Total Estimated Project Cost: \$5,700,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
													FY 2012			FY 2013			
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	500	0	500	0	0	0	0	0	0	Local Only
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,200	4,160	1,040	NHS

S76 Kamehameha Highway, Shoreline Protection, Vicinity of Kaaawa



Project Description:

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

Neighborhood(s): Koolauloa

Total Estimated Project Cost: \$10,840,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	FY 2012			FY 2013												
													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	840	0	840	0	0	0	0	0	0	Local Only
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,000	8,000	2,000	NHS

S77 Kamehameha Highway, Shoreline Protection, Vicinity of Kawailoa Beach



Project Description:

Construct shoreline protection measures for areas in Kawailoa Beach (#7) susceptible to ocean erosion due to high wave action.

Neighborhood(s): North Shore

Total Estimated Project Cost: \$2,000,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FOR INFORMATION ONLY																		Funding Category
	FY 2008			FY 2009			FY 2010			FY 2011			FY 2012			FY 2013			
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	400	0	400	0	0	0	0	0	0	Local Only

S78 Kamehameha Highway, Traffic Improvements, Kahaluu to Waimea Bay



Project Description:

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

Neighborhood(s): Kahaluu, Koolauloa, North Shore Kaneohe

Total Estimated Project Cost: \$14,500,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FY 2012			FY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
DES	0	0	0	0	0	0	0	0	0	1,000	800	200	0	0	0	0	0	0	NHS
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12,500	10,000	2,500	NHS

S79 Kamehameha Highway, Wetland Enhancement, Vicinity of Ukoa Pond



Project Description:

Enhance wetlands 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

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

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FOR INFORMATION ONLY																		Funding Category
	FY 2008			FY 2009			FY 2010			FY 2011			FY 2012			FY 2013			
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	5,500	4,400	1,100	0	0	0	0	0	0	NHS

S80 Kamehameha Highway, Widening, Lanikuhana Avenue to Ka Uka Boulevard



Project Description:

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

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

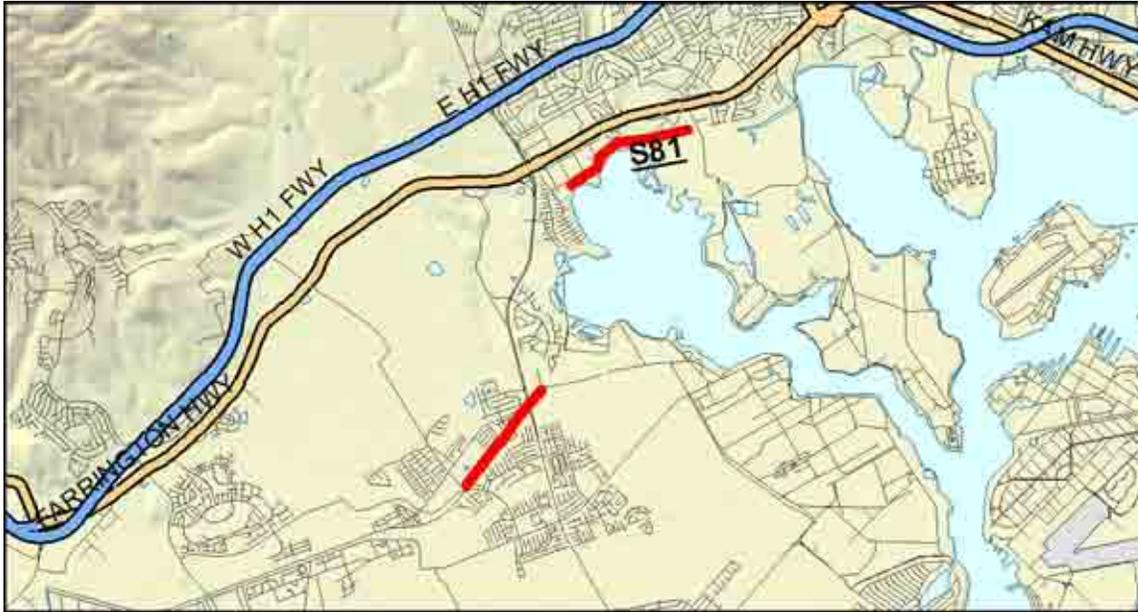
Total Estimated Project Cost: \$130,000,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
													FY 2012			FY 2013			
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	0	0	0	0	0	0	0	0	0	0	0	0	3,000	2,400	600	NHS
DES	0	0	0	0	0	0	0	0	0	0	0	0	4,000	3,200	800	0	0	0	NHS

S81 Leeward Bikeway, Phase 1, Waipio Point Access Road to Hawaii Railroad 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 Hawaii Railway Society Train Station.

Neighborhood(s): Waipahu, Ewa

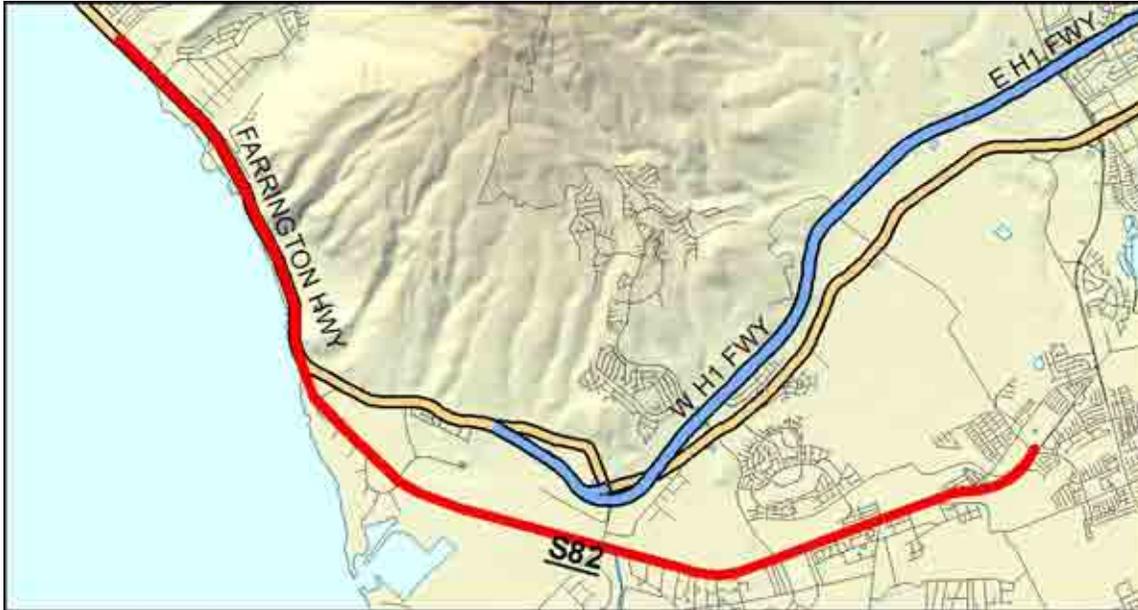
Total Estimated Project Cost: \$15,675,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FOR INFORMATION ONLY																		Funding Category
	FY 2008			FY 2009			FY 2010			FY 2011			FY 2012			FY 2013			
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	800	640	160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Enhance
CON	0	0	0	0	0	0	4,000	3,200	800	0	0	0	0	0	0	0	0	0	Enhance

S82 Leeward Bikeway, Phase 2, Hawaii Railroad Society Train Station to Lualualei Naval Road



Project Description:

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

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

Total Estimated Project Cost: \$15,675,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

FOR INFORMATION ONLY

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FY 2012			FY 2013			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)	
ROW	0	0	0	0	0	0	2,500	2,000	500	0	0	0	0	0	0	0	0	0	Enhance
CON	0	0	0	0	0	0	0	0	0	0	0	0	3,575	2,860	715	0	0	0	Enhance

S84 Moanalua Freeway 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

Total Estimated Project Cost: \$4,850,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category	
													FY 2012			FY 2013				
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	4,600	4,140	460	0	0	0	0	0	0	0	0	0	0	0	0	0	NHS

S85 Moanalua Freeway, 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 H-3 Freeway overpass (milepost 0.73).

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

Total Estimated Project Cost: \$7,500,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008						FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
	Total		Federal		Local		Total		Federal		Local	Total		Federal		Local	FY 2012		FY 2013			
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)																	
CON	0	0	0	0	0	0	2,000	1,600	400	0	0	0	0	0	0	0	0	0	0	0	NHS	

S87 Moanalua Freeway, 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

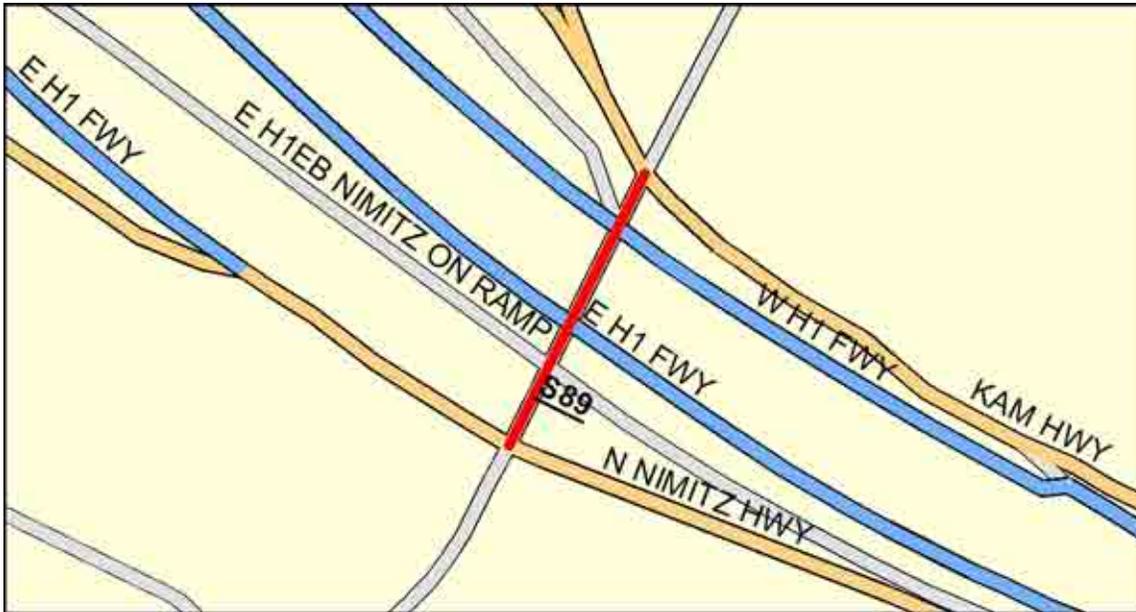
Total Estimated Project Cost: \$4,425,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008		FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category			
			Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	FY 2012			FY 2013						
	(x\$1000)	Total	Federal	Local	Total	Federal	Local														
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,550	2,840	710	0	0	0	Bridge On

S89 Nimitz Highway, Intersection Improvements, Valkenburgh Street



Project Description:

Construct intersection operational and safety improvements on Valkenburgh Street at Nimitz Highway.

Neighborhood(s): Airport

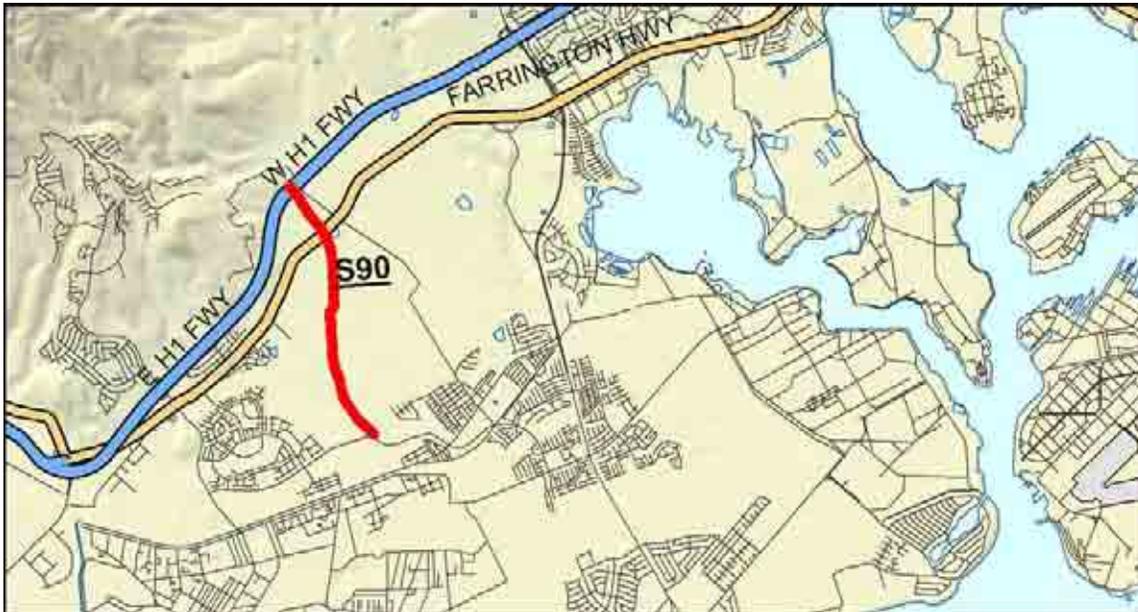
Total Estimated Project Cost: \$2,000,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category	
													FY 2012			FY 2013				
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	1,500	1,200	300	0	0	0	0	0	0	0	0	0	0	0	0	0	HSIP

S90 North-South Road, Kapolei Parkway to Vicinity of H-1 Freeway, Phase II



Project Description:

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. Phase II involves widening North South Road from 3 to 6 lanes from Kapolei Parkway to the H-1 Freeway.

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

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

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FOR INFORMATION ONLY																		Funding Category
	FY 2008			FY 2009			FY 2010			FY 2011			FY 2012			FY 2013			
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	2,000	1,600	400	STP Flex
<i>Phases 1B and 1C (Advance construction reimbursement from 2007)</i>																			
ADVCON	0	25,000	-25,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHS

S91 Pali Highway, Castle Junction, Rockfall Protection, Kailua Bound



Project Description:

Initiate rockfall mitigation measures along Pali Highway at Castle Junction.

Neighborhood(s): Kaneohe, Kailua

Total Estimated Project Cost: \$5,500,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

FOR INFORMATION ONLY

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FY 2012			FY 2013			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	1,000	800	200	0	0	0	0	0	0	0	0	0	0	0	0	NHS
CON	0	0	0	0	0	0	0	0	0	0	0	0	4,500	3,600	900	0	0	0	NHS

S92 Pali Highway, Intersection Improvements at School Street



Project Description:

Construct operational and safety improvements on Pali Highway at School Street.

Neighborhood(s): Nuuanu-Punchbowl

Total Estimated Project Cost: \$250,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FOR INFORMATION ONLY																		Funding Category	
	FY 2008			FY 2009			FY 2010			FY 2011			FY 2012			FY 2013				
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	50	45	5	0	0	0	0	0	0	0	0	0	0	0	0	0	HSIP
CON	0	0	0	0	0	0	0	0	0	200	180	20	0	0	0	0	0	0	0	HSIP

S93 Traffic Signal Modernization, Various Locations, Waialae Avenue and Nimitz, Farrington, Pali, and Likelike Highways



Project Description:

Improve traffic signals at various locations:

1. Waialae Avenue from 21st Avenue to Kilauea Avenue
2. Nimitz Highway from Valkenburgh Street to Halekauwila Street
3. Pali Highway at School Street
4. Likelike Highway at Anoi Road
5. Farrington Highway from Waipio Access Road to Fort Weaver Road ramp
6. Farrington Highway from Lualualei Homestead Road to Makaha Valley Road.

Neighborhood(s): Various Locations

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

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FOR INFORMATION ONLY																		Funding Category	
	FY 2008			FY 2009			FY 2010			FY 2011			FY 2012			FY 2013				
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	4,500	3,600	900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex



Project Description:

Encourage ridesharing during the peak commuting hours to reduce congestion by providing qualified users with a State-subsidized van.

Neighborhood(s): Islandwide

Total Estimated Project Cost: \$12,000,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
													FY 2012			FY 2013			
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	800	800	0	800	800	0	800	800	0	800	800	0	800	800	0	800	800	0	CMAQ
OPR	1,200	1,200	0	1,200	1,200	0	1,200	1,200	0	1,200	1,200	0	1,200	1,200	0	1,200	1,200	0	FHWA X-fer

S96 Vineyard Boulevard, 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

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

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FOR INFORMATION ONLY																		Funding Category	
	FY 2008			FY 2009			FY 2010			FY 2011			FY 2012			FY 2013				
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	25	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
CON	9,975	0	9,975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only

S97 Ala Moana Boulevard and Nimitz Highway, Resurfacing, Fort Street Mall to Holomoana Street



Project Description:

Resurface roadway and improve lighting on Ala Moana Boulevard and Nimitz Highway from Fort Street Mall to Holomoana Street.

Neighborhood(s): Downtown, Ala Moana-Kakaako, Waikiki

Total Estimated Project Cost: \$18,000,000

Project Sponsor: State of Hawaii (FHWA Funding)

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
													FY 2012			FY 2013			
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	17,000	13,600	3,400	0	0	0	0	0	0	0	0	0	0	0	0	NHS

C01 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.
 FY 2008: design development.
 FY 2009: design/build contract of the building.
 FY 2010: equipment and interior.

See also Project #C15, which is to be funded in part with Federal Transit Administration (FTA) funds.

Neighborhood(s): Ala Moana-Kakaako

Total Estimated Project Cost: \$73,390,000

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

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY FY 2012			FY 2013			Funding Category
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local										
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)													
DES/CON	13,540	6,896	6,644	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
<i>Advanced Construction (16 years)</i>																			
ADVCON	59,850	0	59,850	0	5,338	-5,338	0	5,338	-5,338	0	5,338	-5,338	0	5,338	-5,338	0	5,338	-5,338	STP Flex

C02 Bridge Inspection and Appraisal

Sites are not yet determined.

Project Description:

Inventory, inspect, and appraise City bridges, including underwater inspection, scour analyses, surveys, and preparation of plans for bridge repairs. The bridges have not yet been determined.

Neighborhood(s): Various Locations

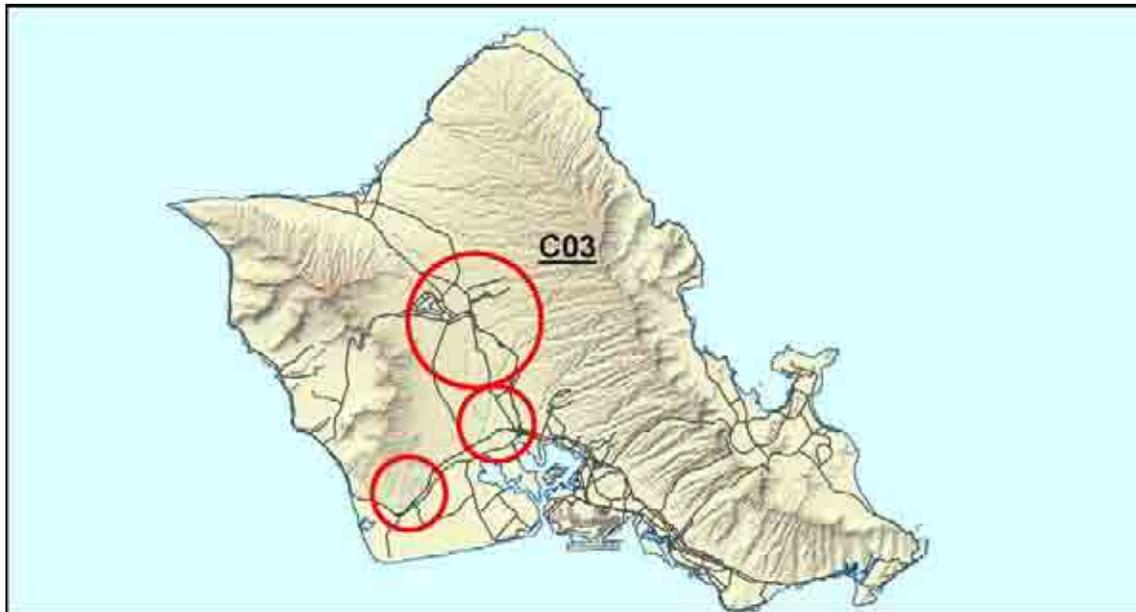
Total Estimated Project Cost: \$2,570,000
(for FYs 2008-2013 only)

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

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FY 2012			FY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
DES	350	280	70	420	290	130	450	360	90	450	360	90	450	360	90	450	360	90	Bridge Off

C03 Computerized Traffic Control System



Project Description:

Upgrade and expand fiber optic lines, closed-circuit television (CCTV) cameras, data collection, and signal control in urban and rural areas for connectivity to the Traffic Control Center.
 FY 2008 Construction: Construct Waipahu, Waikele, and Waipio camera and signal control.
 FY 2008 Design: Expand camera coverage and signal control to Kapolei/Makakilo.
 FY 2009 Construction: Construct Kapolei/Makakilo camera and signal control.
 FY 2009 Design: Expand camera coverage and signal control to Mililani and Wahiawa.
 The City did not provide details for FYs 2010 through 2013.

Neighborhood(s): Various Locations

Total Estimated Project Cost: \$21,024,000
 (for FYs 2008-2013 only)

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

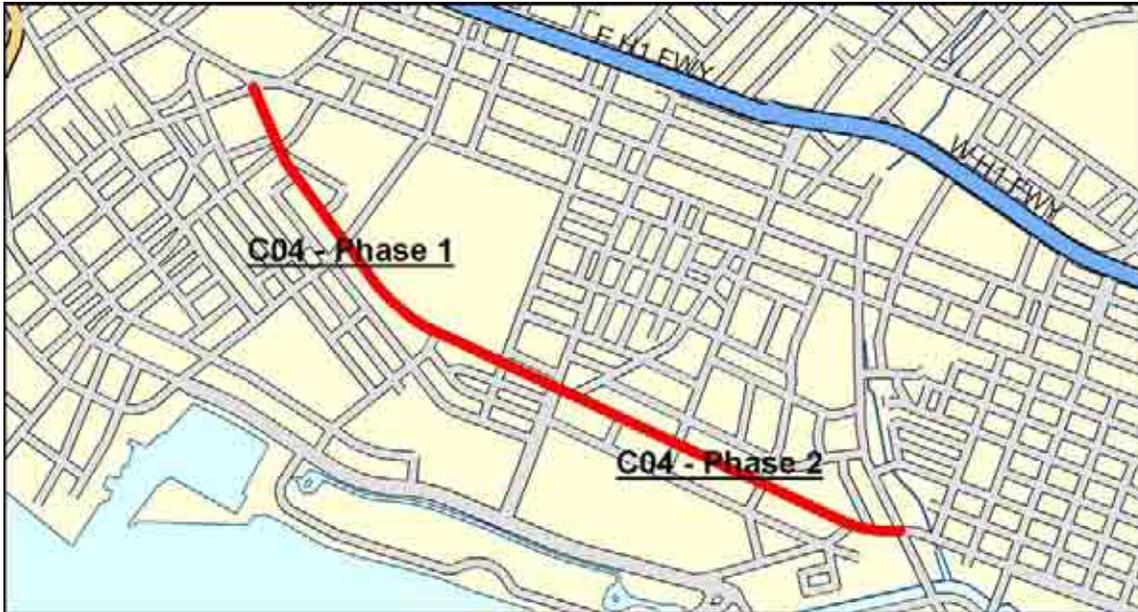
Agency Responsible for Carrying Out Project/Phase:
 City Department of Transportation Services

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY FY 2012			FY 2013			Funding Category	
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local											
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)														
EQP	1	0	1	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0	0	Local Only
INSP	30	0	30	30	0	30	30	0	30	30	0	30	30	0	30	30	0	30	Local Only	
Phase 11																				
CON	3,100	2,400	700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
Phase 12																				
DES	340	240	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
CON	0	0	0	3,150	2,400	750	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
Phase 13																				
DES	0	0	0	300	240	60	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
CON	0	0	0	0	0	0	3,150	2,400	750	0	0	0	0	0	0	0	0	0	0	STP Flex

C03 Computerized Traffic Control System, continued

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY FY 2012			FY 2013			Funding Category	
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local											
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)														
<i>Phase 14</i>																				
DES	0	0	0	0	0	0	300	240	60	0	0	0	0	0	0	0	0	0	0	STP Flex
CON	0	0	0	0	0	0	0	0	0	3,150	2,400	750	0	0	0	0	0	0	0	STP Flex
<i>Phase 15</i>																				
DES	0	0	0	0	0	0	0	0	0	300	240	60	0	0	0	0	0	0	0	STP Flex
CON	0	0	0	0	0	0	0	0	0	0	0	0	3,150	2,400	750	0	0	0	0	STP Flex
<i>Phase 16</i>																				
DES	0	0	0	0	0	0	0	0	0	0	0	0	375	300	75	0	0	0	0	STP Flex
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,150	2,400	750	0	STP Flex
<i>Phase 17</i>																				
DES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	375	300	75	0	STP Flex

C04 Kapiolani Boulevard Reconstruction, Phases 1 and 2



Project Description:

Reconstruct Kapiolani Boulevard to restore deteriorated pavement through use and/or disturbed by the installation of utilities, transit, and other roadway infrastructure improvements.
 FY 2009: Phase 1 (South Street to Pensacola Street).
 FY 2011: Phase 2 (Pensacola Street to Kalakaua Avenue and Atkinson Drive).

Neighborhood(s): Ala Moana-Kakaako

Total Estimated Project Cost: \$52,000,000

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

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
													FY 2012			FY 2013			
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	2,000	1,600	400	0	0	0	2,728	2,182	546	0	0	0	0	0	0	STP Flex
<i>Advanced construction (16 years), Phase 1</i>																			
ADVCON	0	0	0	20,000	0	20,000	0	1,600	-1,600	0	1,600	-1,600	0	1,600	-1,600	0	1,600	-1,600	STP Flex
<i>Advanced construction (16 years), Phase 2</i>																			
ADVCON	0	0	0	0	0	0	0	0	0	27,272	0	27,272	0	2,182	-2,182	0	2,182	-2,182	STP Flex

C05 Kapunahala Stream Flood Control Project



Project Description:

Provide relief drain system to supplement an existing inadequate drain system along Kapunahala Stream, between Pookela and Keneke Streets.

Neighborhood(s): Kaneohe

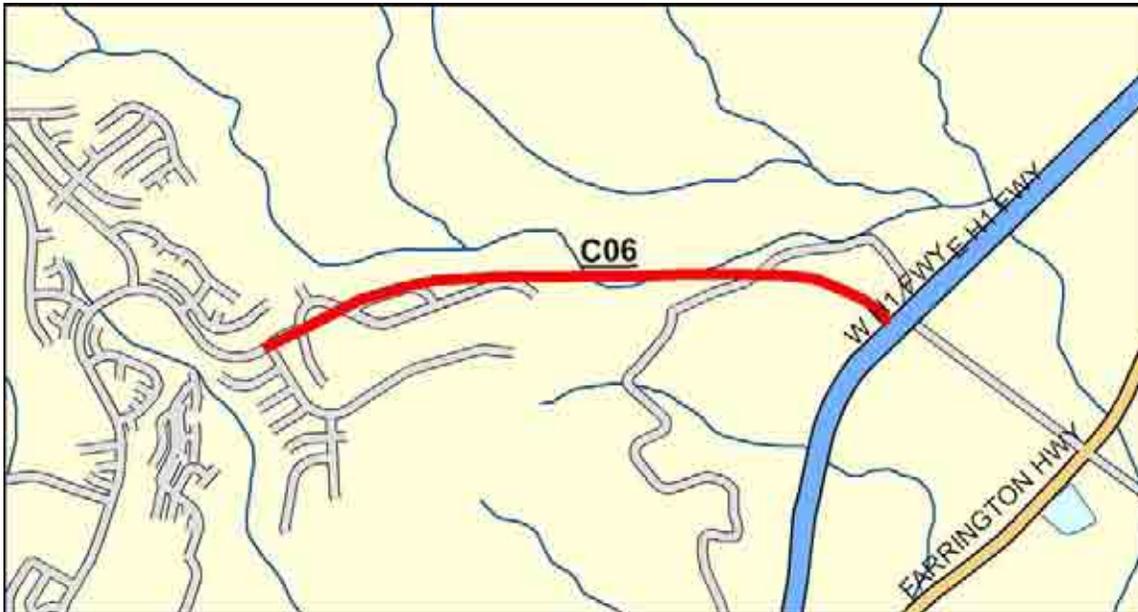
Total Estimated Project Cost: \$10,100,000

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

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category			
													FY 2012			FY 2013						
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	75	0	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only		
DES	25	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only		
CON	0	0	0	909	727	182	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex		
<i>Advanced construction (16 years)</i>																						
ADVCON	0	0	0	9,091	0	9,091	0	727	-727	0	727	-727	0	727	-727	0	727	-727	0	727	-727	STP Flex

C06 Makakilo Drive Extension



Project Description:

Plan, design, and construct the extension of Makakilo Drive from the existing terminus of the roadway in the Palehua Subdivision to the H-1 Freeway. The roadway extension is approximately one mile long.

Neighborhood(s): Makakilo-Kapolei-Honokai Hale

Total Estimated Project Cost: \$37,500,000

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

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category	
	Total	Federal	Local	FY 2012			FY 2013													
	(x\$1000)	Total	Federal	Local	Total	Federal	Local													
DES	3,000	0	3,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
CON	0	0	0	0	0	0	3,136	2,509	627	0	0	0	0	0	0	0	0	0	0	STP Flex
<i>Advanced construction (16 years)</i>																				
ADVCON	0	0	0	0	0	0	31,363	0	31,363	0	2,509	-2,509	0	2,509	-2,509	0	2,509	-2,509	0	STP Flex

C08 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, prepare plans and specifications for construction, and incorporate the retrofit. The bridges have not yet been determined.

Neighborhood(s): Various Locations

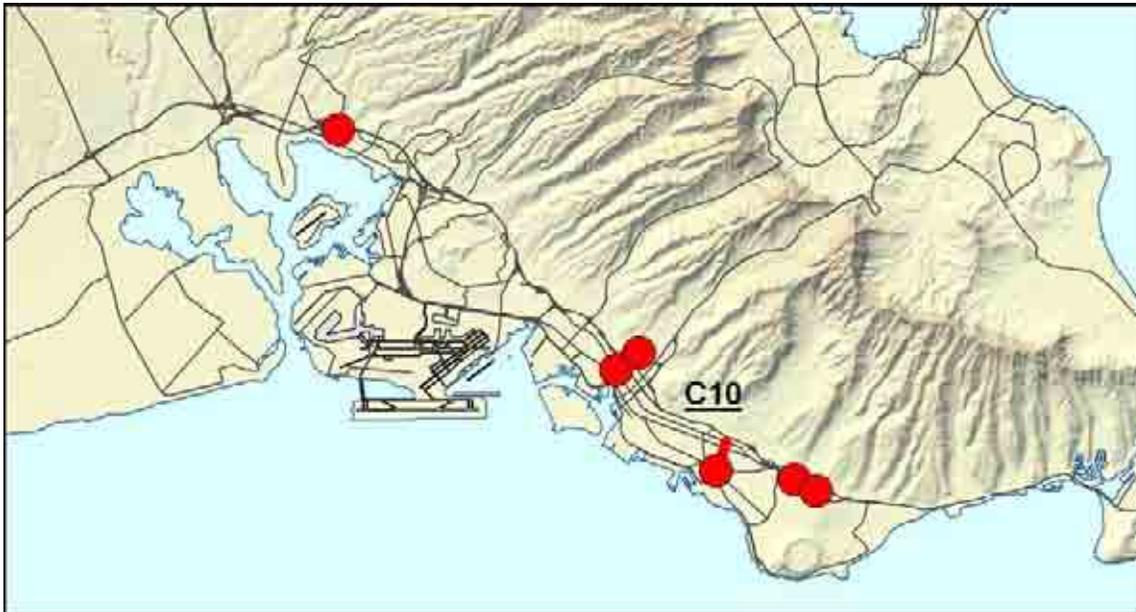
Total Estimated Project Cost: \$2,550,000
(for FYs 2008-2013 only)

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

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FY 2012			FY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
DES	450	360	90	0	0	0	0	0	0	0	0	0	600	480	120	0	0	0	Bridge Off
CON	0	0	0	0	0	0	1,500	1,200	300	0	0	0	0	0	0	0	0	0	Bridge Off

C10 Traffic Improvements at Various Locations



Project Description:

Provide for traffic congestion relief and improve traffic safety at the following locations:

1. Harding at 5th and 11th Avenues
2. Ala Wai Boulevard and McCully Street
3. McCully Street from Kapiolani Boulevard to Beretania Street
4. Moanalua Road and Kaahumanu Street
5. Dillingham Boulevard and North King Street
6. Liliha and Kuakini Streets.

Neighborhood(s): Various Locations

Total Estimated Project Cost: \$8,290,000
(for FYs 2008-2013 only)

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

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

FOR INFORMATION ONLY

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FY 2012			FY 2013			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)		
ROW	100	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
PLN	200	0	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
DES	690	320	370	200	160	40	200	160	40	200	160	40	200	160	40	200	160	40	40	STP Flex
CON	1,200	960	240	1,000	800	200	1,000	800	200	1,000	800	200	1,000	800	200	1,000	800	200	200	STP Flex
INSP	100	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only

C11 Traffic Signal Maintenance Facility



Project Description:

Design, construct, and equip a new traffic signal operating and maintenance facility in Pearl City, Manana. The present traffic signal facility is temporarily located in Pearl City. Space is shared with the Department of Facility Maintenance and there is insufficient space for signal operation and maintenance. The proposed location is on City surplus property.

Neighborhood(s): Pearl City

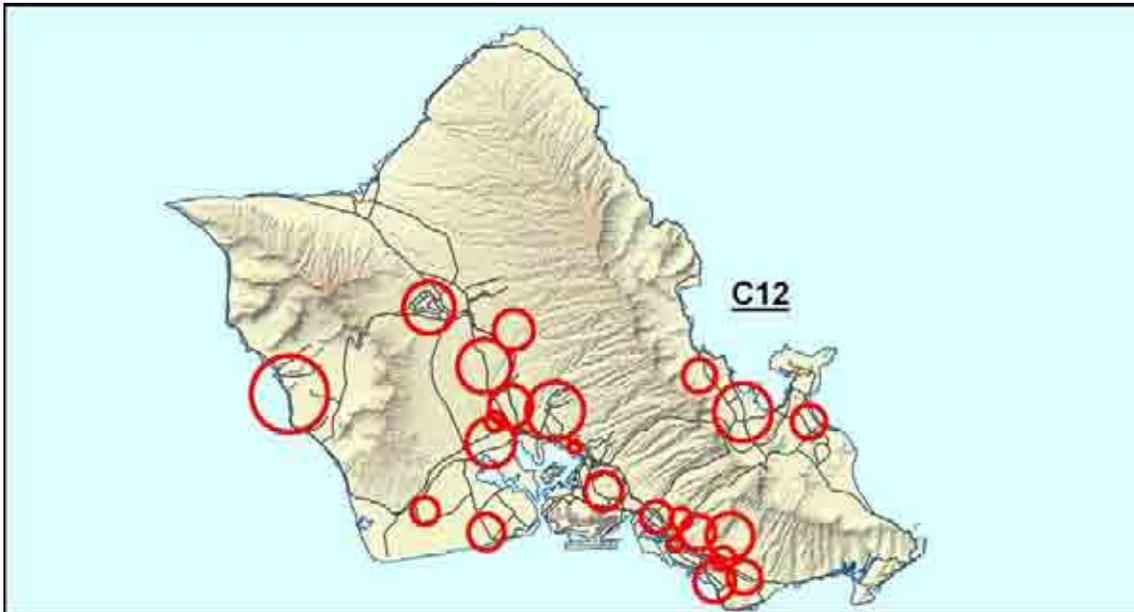
Total Estimated Project Cost: \$3,881,000

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

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category	
	Total	Federal	Local	FY 2012			FY 2013													
	(x\$1000)	Total	Federal	Local	Total	Federal	Local													
DES	10	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
CON	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
CON	3,750	3,000	750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
EQP	100	0	100	20	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only

C12 Traffic Signal Optimization



Project Description:

Analyze, develop, and implement new optimized signal timing plans on various roadways to improve the flow of vehicular traffic.

FY 2008: Waipio area, Farrington Highway (Waianae) area, Pearl City area, Kalihi area, Ewa Beach area, and Schofield area

FY 2009: Pearl Ridge area, Waipahu area, Mililani Mauka area, Mililani Town area, Manoa area, and Nuuanu area

The City did not provide details for FYs 2010 through 2013.

Neighborhood(s): Various Locations

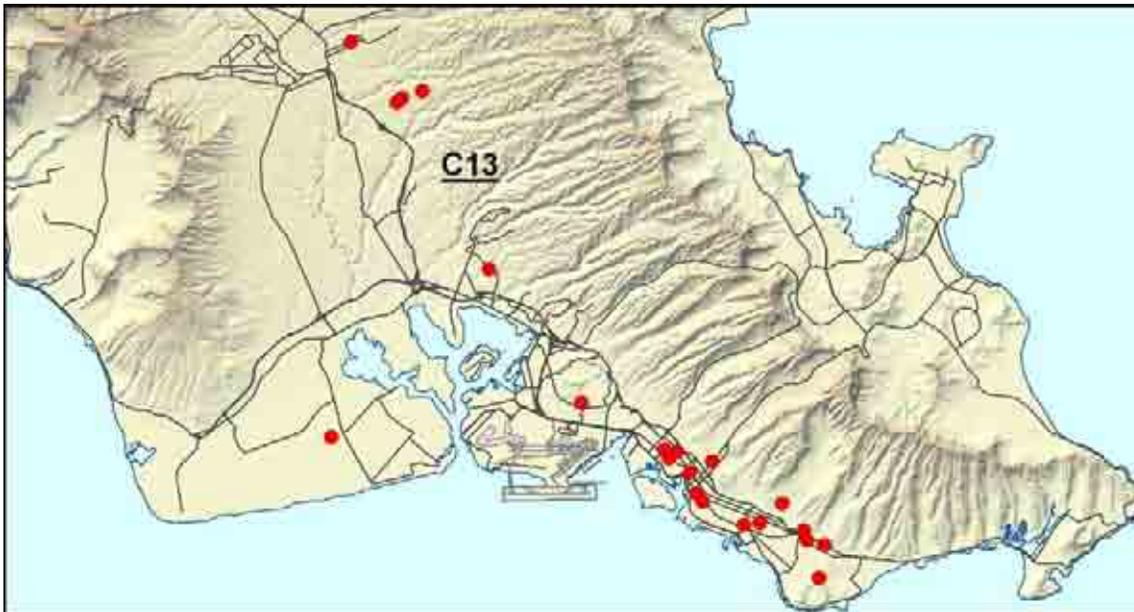
Total Estimated Project Cost: \$6,188,000
(for FYs 2008-2013 only)

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

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY			Funding Category			
	Total	Federal	Local	FY 2012		FY 2013													
	(x\$1000)	(x\$1000)	(x\$1000)		(x\$1000)														
Phase 05 DES	1,500	1,000	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
Phase 06 DES	0	0	0	1,250	1,000	250	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
Phase 07 DES	0	0	0	0	0	0	1,250	1,000	250	0	0	0	0	0	0	0	0	0	STP Flex
Phase 08 DES	0	0	0	0	0	0	0	0	0	1,250	1,000	250	0	0	0	0	0	0	STP Flex
Phase 09 DES	0	0	0	0	0	0	0	0	0	0	0	0	563	450	113	0	0	0	STP Flex
Phase 10 DES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	375	300	75	STP Flex

C13 Traffic Signals at Various Locations



Project Description:

Install 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 makes ADA improvements.

Phase 10: FY 2007 DES Funds and FY 2008 CON Funds

1. Komo Mai Drive and Hoomalu Street (new signal)
2. Meheula Parkway and Lehiwa Drive (new signal)
3. Meheula Parkway and Kaapeha Street (new signal)
4. South King Street and Mililani Street (new signal)
5. Waiakamilo Road and McNeil Street (new signal)
6. Dillingham Boulevard and Kohu/Kokea Street (left turn phase)
7. King Street and Kohu/Kokea Street (upgrade)

Phase 11: FY 2008 DES Funds and FY 2009 CON Funds

1. Kapolei Parkway and Geiger Road (new signal)
2. McCully Street and Waiola Street (new signal)
3. Makaloa Street and Poni Street (new signal)
4. Dole Street and St. Louis Drive (new signal)
5. Nuuanu Avenue and Pauoa Road (left turn phase)
6. Beretania Street and Aala Street (left turn phase)

Phase 12: FY 2009 DES Funds and FY 2010 CON Funds

1. Harding Avenue and 4th Avenue (new signal)
2. South Street and Kawaihahao Street (new signal)
3. McCully Street and Waiola Street (new signal)
4. Waialae Avenue and 10th Avenue (left turn phase)
5. South Street and Kawaihahao Street (new signal)
6. Ala Ilima Street and Ala Liliko Street (left turn phase)

Phase 13: FY 2010 DES Funds and FY 2011 CON Funds

1. Diamond Head Road and Alohea Avenue
2. University Avenue and Maile Way (left turn phase)
3. California Avenue and Nanea Avenue (new signal)

The City did not provide details for FYs 2012 and 2013.

Neighborhood(s): Various Locations

Total Estimated Project Cost: \$20,017,000
(for FYs 2008-2013 only)

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

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

C13 Traffic Signals at Various Locations, continued

Phase	FY 2008						FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
	FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		FY 2012		FY 2013		FY 2013					
	Total	Federal	Local	Total	Federal	Local																
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)																		
PLN	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	Local Only			
EQP	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	Local Only			
INSP	30	0	30	20	0	20	20	0	20	20	0	20	20	0	20	20	0	20	Local Only			
Phase 10																						
CON	2,700	2,000	700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex			
Phase 11																						
DES	300	200	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex			
CON	0	0	0	3,125	2,500	625	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex			
Phase 12																						
DES	0	0	0	250	200	50	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex			
CON	0	0	0	0	0	0	3,125	2,500	625	0	0	0	0	0	0	0	0	0	STP Flex			
Phase 13																						
DES	0	0	0	0	0	0	250	200	50	0	0	0	0	0	0	0	0	0	STP Flex			
CON	0	0	0	0	0	0	0	0	0	3,125	2,500	625	0	0	0	0	0	0	STP Flex			
Phase 14																						
DES	0	0	0	0	0	0	0	0	0	250	200	50	0	0	0	0	0	0	STP Flex			
CON	0	0	0	0	0	0	0	0	0	0	0	0	3,125	2,500	625	0	0	0	STP Flex			
Phase 15																						
DES	0	0	0	0	0	0	0	0	0	0	0	0	250	200	50	0	0	0	STP Flex			
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,125	2,500	625	STP Flex			
Phase 16																						
DES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	250	200	50	STP Flex			

C14 Waipio Point Access Road Improvements



Project Description:

Construct various improvements to Waipio Point Access Road, including drainage, parking, roadway, and pedestrian/bike improvements. Project boundaries are the entrance to Waipio Soccer Park and the Oahu Railway and Land Company (OR&L) bicycle/pedestrian path. Project improvements would fulfill Grant of Easement (GOE) requirements that were conditions imposed upon the City as part of the access needs for the Waipio Soccer Park complex development.

Neighborhood(s): Waipahu

Total Estimated Project Cost: \$4,950,000

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

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

Phase	FY 2008						FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
	Total		Federal	Local	Total		Federal	Local														
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)																	
CON	4,500	3,600	900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex	
INSP	450	360	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex	

C15 Alapai Transit & Joint Traffic Management Center



Project Description:

Plan, design, construct, and inspect a transit center and joint traffic management center at the existing Alapai express bus terminal. The Alapai Transit Center will provide a location for express bus and regular bus passengers and serve as an off-street area for bus staging. The Center will be the terminus for express bus services throughout the island of Oahu.

See also Project #C01, which is to be funded in part with Federal Highway Administration (FHWA) funds.

Neighborhood(s): Ala Moana-Kakaako

Total Estimated Project Cost: \$5,503,000
(Transit Center)

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

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category	
	Total	Federal	Local	FY 2012			FY 2013													
	(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	0	Local Only
DES	500	250	250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5307/\$5340
CON	5,000	2,500	2,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5307/\$5340
EQP	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
OPR	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only

C16 Bus and Handi-Van Acquisition Program



Project Description:

Purchase replacement transit buses and handi-van vehicles.
 FY 2008: 20 60' buses + 10 30' buses + 20 <30' buses.
 FY 2009: 25 60' buses + 20 <30' buses.
 FY 2010: 25 60' buses + 20 <30' buses.
 FY 2011: 25 60' buses + 20 <30' buses.

Neighborhood(s): Islandwide

Total Estimated Project Cost: \$157,000,000

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

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FY 2012			FY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
EQP	19,542	9,771	9,771	7,380	5,904	1,476	15,410	12,328	3,082	9,570	7,656	1,914	20,220	13,544	6,676	21,500	11,500	10,000	\$5307/\$5340
EQP	0	0	0	13,870	11,096	2,774	0	0	0	9,490	7,592	1,898	10,000	8,000	2,000	10,000	8,000	2,000	\$5309 BC
EQP	2,628	1,314	1,314	0	0	0	5,840	4,672	1,168	2,190	1,752	438	3,780	2,375	1,405	2,500	2,000	500	\$5309 FG
EQP	3,000	1,548	1,452	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5309 NS

C17 Honolulu High Capacity Transit Corridor Project



Project Description:

Plan, design, and construct a fixed guideway system.

Neighborhood(s): Various Locations

Total Estimated Project Cost: \$3,600,000,000

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

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
													FY 2012			FY 2013			
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	
PLN	5,000	4,000	1,000	5,000	4,000	1,000	5,000	4,000	1,000	5,000	4,000	1,000	5,000	4,000	1,000	5,000	4,000	1,000	\$5309 NS
DES	80,000	10,000	70,000	60,000	10,000	50,000	50,000	0	50,000	100,000	50,000	50,000	100,000	50,000	50,000	100,000	50,000	50,000	\$5309 NS
CON	0	0	0	200,000	0	200,000	200,000	0	200,000	200,000	0	200,000	200,000	100,000	100,000	200,000	100,000	100,000	\$5309 NS

C18 Intra-Island Ferry



Project Description:

Continue ferry demonstration project operations and plan, design, and construct facilities for a ferry operation which will serve as an extension of the bus service and provide West Oahu residents with another transportation option to downtown Honolulu. The project will include, but not be limited to, parking lots, passenger terminals, and improved docking facilities.

Neighborhood(s): Various Locations

Total Estimated Project Cost: \$8,900,000

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

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category	
													FY 2012			FY 2013				
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local											
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)													
DES	1,000	800	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5309 Ferry
CON	0	0	0	3,000	2,000	1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5309 Ferry
OPR	4,400	2,000	2,400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5309 Ferry
INSP	0	0	0	500	0	500	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only

C19 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 a bus staging area. Phase 2 also includes design and construction of a parking garage.

Neighborhood(s): Kalihi-Palama

Total Estimated Project Cost: \$53,500,000

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

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

Phase	FOR INFORMATION ONLY																		Funding Category	
	FY 2008			FY 2009			FY 2010			FY 2011			FY 2012			FY 2013				
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	2,600	1,300	1,300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5309 BC
CON	14,900	7,450	7,450	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5309 BC
CON	0	0	0	35,000	0	35,000	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
INSP	0	0	0	1,000	0	1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only

C20 Preventive Maintenance



Project Description:

All activities, supplies, material, labor, services, and associated costs required to preserve or extend the functionality and serviceability of transit-related assets (e.g., buses, handi-vans, and bus-related facilities).

Neighborhood(s): Islandwide

Total Estimated Project Cost: \$244,488,000
(for FYs 2008-2013 only)

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

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FY 2012			FY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
OPR	37,092	21,000	16,092	38,483	21,000	17,483	39,926	21,000	18,926	41,423	21,000	20,423	42,976	21,000	21,976	44,588	21,000	23,588	\$5307/\$5340

C21 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 #S95.

Neighborhood(s): Islandwide

Total Estimated Project Cost: \$7,919,000
(for FYs 2008-2013 only)

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

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

Phase	FOR INFORMATION ONLY																		Funding Category
	FY 2008			FY 2009			FY 2010			FY 2011			FY 2012			FY 2013			
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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	1,230	1,230	0	1,265	1,265	0	1,300	1,300	0	1,337	1,337	0	1,374	1,374	0	1,413	1,413	0	\$5307/\$5340

C22 Transit Security Projects



Project Description:

These capital improvement projects at various transit 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. Locations:

1. Alapai Transit Center
2. Kalihi Bus Facility
3. Kapolei Transit Center
4. Pearl City Bus Facility
5. Waianae Transit Center
6. Waipahu Transit Center

Neighborhood(s): Various Locations

Total Estimated Project Cost: \$2,712,000
(for FYs 2008-2013 only)

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

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FY 2012			FY 2013												
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)													
PLN	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	Local Only
DES	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	Local Only
EQP	450	360	90	450	360	90	450	360	90	450	360	90	450	360	90	450	360	90	\$5307/\$5340

C23 West Oahu Bus and Handi-Van Maintenance Facility

Site is not yet determined.

Project Description:

Plan, design, and construct a maintenance facility for the bus and handi-van operations in West Oahu. The site is not yet determined.

Neighborhood(s): Various Locations

Total Estimated Project Cost: \$22,254,000

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

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category	
	Total	Federal	Local	FY 2012			FY 2013													
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)														
ROW	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	Local Only
PLN	0	0	0	250	200	50	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5307/\$5340
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	1,000	800	200	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5307/\$5340
DES	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	Local Only
CON	0	0	0	0	0	0	20,000	8,976	11,024	0	0	0	0	0	0	0	0	0	0	\$5309 BC
EQP	0	0	0	0	0	0	1,000	500	500	0	0	0	0	0	0	0	0	0	0	\$5309 BC

C24 Windward Transit Center

Site is not yet determined.

Project Description:

Plan, design, construct, and inspect a transit center in windward Oahu. The site is not yet determined.

Neighborhood(s): Various Locations

Total Estimated Project Cost: \$2,637,000

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

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

Phase	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY						Funding Category	
	Total	Federal	Local	FY 2012			FY 2013													
	(x\$1000)	Total	Federal	Local	Total	Federal	Local													
ROW	0	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0	0	Local Only
PLN	0	0	0	100	0	100	1	0	1	1	0	1	0	0	0	0	0	0	0	Local Only
DES	0	0	0	0	0	0	220	176	44	0	0	0	0	0	0	0	0	0	0	\$5307/\$5340
DES	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	Local Only
CON	0	0	0	0	0	0	0	0	0	2,310	1,848	462	0	0	0	0	0	0	0	\$5307/\$5340
INSP	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	Local Only

12.3 FUNDING SUMMARY

The funding summary provides a summary of funding categories grouped by project sponsor and federal funding.

										FOR INFORMATION ONLY								
	FY 2008			FY 2009			FY 2010			FY 2011			FY 2012			FY 2013		
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	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 FUNDS																		
<u>State of Hawaii-Sponsored Projects</u>																		
Bridge On	13,370	10,696	2,674	33,020	26,416	6,604	28,030	22,425	5,605	42,845	34,274	8,571	42,230	33,783	8,447	18,575	14,860	3,715
CMAQ	800	800	0	800	800	0	800	800	0	800	800	0	800	800	0	800	800	0
Discret	500	450	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Earmark HP	1,250	1,000	250	0	0	0	970	775	195	0	0	0	0	0	0	0	0	0
Enhance	800	640	160	0	0	0	6,500	5,200	1,300	0	0	0	3,575	2,860	715	0	0	0
FHWA X-fer	1,200	1,200	0	1,200	1,200	0	1,200	1,200	0	1,200	1,200	0	1,200	1,200	0	1,200	1,200	0
HSIP	5,000	4,000	1,000	2,400	1,935	465	0	0	0	6,000	4,900	1,100	0	0	0	0	0	0
IM	4,000	3,200	800	18,800	16,370	2,430	8,825	7,060	1,765	14,825	13,160	1,665	11,500	9,350	2,150	10,000	8,000	2,000
NHS	20,800	41,640	-20,840	37,325	30,570	6,755	28,900	23,120	5,780	17,500	14,250	3,250	45,750	39,100	6,650	47,500	39,000	8,500
Section 115	5,000	4,000	1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STP Flex	4,500	3,600	900	1,750	1,400	350	32,000	23,600	8,400	0	0	0	12,000	9,600	2,400	2,750	2,200	550
Total State	57,220	71,226	-14,006	95,295	78,691	16,604	107,225	84,180	23,045	83,170	68,584	14,586	117,055	96,693	20,362	80,825	66,060	14,765

	FOR INFORMATION ONLY																	
	FY 2008			FY 2009			FY 2010			FY 2011			FY 2012			FY 2013		
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)
City and County of Honolulu-Sponsored Projects																		
Bridge Off	800	640	160	420	290	130	1,950	1,560	390	450	360	90	1,050	840	210	450	360	90
STP Flex	91,920	20,976	70,944	41,275	14,965	26,310	43,774	17,474	26,300	39,275	19,656	19,619	8,663	19,166	-10,503	8,475	19,016	-10,541
Total City	92,720	21,616	71,104	41,695	15,255	26,440	45,724	19,034	26,690	39,725	20,016	19,709	9,713	20,006	-10,293	8,925	19,376	-10,451
TOTAL FHWA	149,940	92,842	57,098	136,990	93,946	43,044	152,949	103,214	49,735	122,895	88,600	34,295	126,768	116,699	10,069	89,750	85,436	4,314
FTA FUNDS																		
City and County of Honolulu-Sponsored Projects																		
§5307/§5340	63,814	35,111	28,703	48,828	29,529	19,299	57,306	35,164	22,142	55,090	32,201	22,889	65,020	36,278	28,742	67,951	34,273	33,678
§5309 BC	17,500	8,750	8,750	13,870	11,096	2,774	21,000	9,476	11,524	9,490	7,592	1,898	10,000	8,000	2,000	10,000	8,000	2,000
§5309 Ferry	5,400	2,800	2,600	3,500	2,000	1,500	0	0	0	0	0	0	0	0	0	0	0	0
§5309 FGM	2,628	1,314	1,314	0	0	0	5,840	4,672	1,168	2,190	1,752	438	3,780	2,375	1,405	2,500	2,000	500
§5309 NS	88,000	15,548	72,452	265,000	14,000	251,000	255,000	4,000	251,000	305,000	54,000	251,000	305,000	154,000	151,000	305,000	154,000	151,000
Total City	177,342	63,523	113,819	331,198	56,625	274,573	339,146	53,312	285,834	371,770	95,545	276,225	383,800	200,653	183,147	385,451	198,273	187,178
TOTAL FTA	177,342	63,523	113,819	331,198	56,625	274,573	339,146	53,312	285,834	371,770	95,545	276,225	383,800	200,653	183,147	385,451	198,273	187,178

	FY 2008			FY 2009			FY 2010			FY 2011			FOR INFORMATION ONLY					
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	FY 2012			FY 2013		
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	Total	Federal	Local	Total	Federal	Local
100% LOCAL FUNDS																		
<u>State of Hawaii-Sponsored Projects</u>																		
Local Only	12,500	0	12,500	20,000	0	20,000	0	0	0	1,740	0	1,740	0	0	0	0	0	0
Total State	12,500	0	12,500	20,000	0	20,000	0	0	0	1,740	0	1,740	0	0	0	0	0	0
<u>City and County of Honolulu-Sponsored Projects</u>																		
Local Only	3,678	0	3,678	36,178	0	36,178	60	0	60	59	0	59	54	0	54	54	0	54
Total City	3,678	0	3,678	36,178	0	36,178	60	0	60	59	0	59	54	0	54	54	0	54
TOTAL LOCAL	16,178	0	16,178	56,178	0	56,178	60	0	60	1,799	0	1,799	54	0	54	54	0	54

13.0 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 FYs 2008-2011 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.

Inflation rates of 2%-5% per year were used in the financial assumptions to reflect “year of expenditure” dollars for most projects. The rate varied depending upon such factors as project location, project scope, and the type and amount of construction materials needed. A 0% inflation rate was used to estimate bus and Handi-Van costs. Past purchases indicate that unit costs for transit vehicles have remained relatively stable and may decrease for hybrid-electric and alternative fuel buses. Additionally, no inflation was assumed for Transit Security Projects, because the Federal funding level is assumed to be flat.

13.1 FUNDING SOURCES

13.1.1 FHWA Program

The FHWA funds are appropriated annually by Congress. The SAFETEA-LU authorizes funding levels through the end of FY 2009. For financial constraint purposes, funding levels as estimated by FHWA for FYs 2008 and 2009 (<http://www.fhwa.dot.gov/reauthorization/appportionmentsbyyear.htm>) were used. About \$125-\$130 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 the HDOT’s FYs 2008-2011 STIP. The TIP focuses on transportation programs and projects for the *island of Oahu* only.

In developing the FYs 2008-2011 TIP, the 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. As presented to the OahuMPO Technical Advisory Committee in October 2006, Oahu has historically received about 52% of the Statewide total obligation authority each year. Forty-four percent (about \$67 million) has been historically programmed for projects sponsored by the State of Hawaii, and 8% (about \$12 million) has been programmed for projects sponsored by the City and County of Honolulu, for a total of about \$79 million for the island of Oahu. Although more than \$79 million in federal funds is programmed in each year of the TIP, the HDOT agreed to find savings elsewhere in the STIP, thereby increasing the amount of FHWA funds available for Oahu.

Under SAFETEA-LU, the 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;
- 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. By October 1, 2007, each State must have a strategic highway safety plan that identifies and analyzes safety problems and opportunities in order to use HSIP funds for new eligible activities under 23 USC 148. HDOT is currently developing this plan.

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.

Surface Transportation Program (STP) Flexible

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.

13.1.2 FTA Program

For financial constraint purposes, formula apportionments, as estimated by FTA for FYs 2008 and 2009 (http://www.fta.dot.gov/index_4696.html#Transit_Funding_Information), were used. For FYs 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; and
- §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) 2006 to apportion FY 2008 funds, RY 2007 for FY 2009 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 (HOV) 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-FY 2005 allocation that was extended until expended by the Conference Report on H.R. 418, Consolidated Appropriations Act, 2005 (House Rpt. 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-FY 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 are programmed for the Intra-Island Ferry Project.

The Post-FY 2005 and the ferry allocations are available during the year of allocation plus two additional years, for a total of three years.

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. Eight million dollars (\$8 million) is assumed as the annual allocation. This amount represents the average allocation during FYs 2002 to 2007. Bus Capital funds are available during the year of allocation plus an additional two years, for a total of three years. 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 Lingle recently named the City as the designated recipient for JARC and New Freedom funds apportioned to the Honolulu UZA, and the State of Hawaii Department of Transportation as the designated recipient for funds apportioned to the Kailua-Kaneohe UZA and non-urbanized areas.

No City or State projects are currently programmed in the TIP with JARC and New Freedom funds because the statutorily required coordinated public transit-human services transportation plan must be completed first. The TIP will be revised in the future to identify specific types of projects.

13.1.3 “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 the 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 FYs 2008-2011 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.

13.1.4 Advance Construction

Some of the projects in the TIP are currently 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.

13.1.5 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. Moneys 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 moneys 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 moneys 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 FYs 2008-2011 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 FY 2008 capital budget ordinance are valid from July 1, 2007 until June 30, 2009 (Federal Fiscal Year 2009, quarter 2).

The City's bus preventive maintenance (PM) costs are funded by the City's annual operating budget. The Federal share of PM costs are programmed on a reimbursable basis; i.e., funds appropriated for the City's FY 2007 operating budget pay for PM costs, and the Federal reimbursement is programmed in FY 2008.

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.

13.2 FINANCIAL CONSTRAINT TABLES

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

13.2.1 FHWA Financial Constraint

The FHWA program is financially constrained, as demonstrated in the following tables. As discussed earlier, the amount of FHWA funds estimated to be available for projects on Oahu is determined through a cooperative agreement between the OahuMPO, HDOT, and DTS. Information on the revenues estimated to be available for the entire State of Hawaii is available in the HDOT's FYs 2008-2011 STIP.

FHWA Financial Constraint – FY 2008

FY 2008	Estimated Federal Funds Available for Oahu (x1000)	Local Funds (x1000)	Total Sources (x1000)	Total Uses (x1000)	Federal Funds Balance (x1000)
Bridge Off-System	640	160	800	800	0
Bridge On-System	10,696	2,674	13,370	13,370	0
CMAQ	800	0	800	800	0
Discretionary Funds	450	50	500	500	0
Earmark High Priority	1,000	250	1,250	1,250	0
Earmark Section 115	4,000	1,000	5,000	5,000	0
Highway Safety Improvement Program	4,000	1,000	5,000	5,000	0
Interstate Maintenance	3,200	800	4,000	4,000	0
National Highway System	41,640	-20,840	20,800	20,800	0
STP Enhancement	640	160	800	800	0
STP Flexible	24,576	71,844	96,420	96,420	0
Transfer from FTA to FHWA	1,200	0	1,200	1,200	0
FHWA Total	92,842	57,098	149,940	149,940	0

FHWA Financial Constraint – FY 2009

FY 2009	Estimated Federal Funds Available for Oahu (x1000)	Local Funds (x1000)	Total Sources (x1000)	Total Uses (x1000)	Federal Funds Balance (x1000)
Bridge Off-System	290	130	420	420	0
Bridge On-System	26,416	6,604	33,020	33,020	0
CMAQ	800	0	800	800	0
Discretionary Funds	0	0	0	0	0
Earmark High Priority	0	0	0	0	0
Earmark Section 115	0	0	0	0	0
Highway Safety Improvement Program	1,935	465	2,400	2,400	0
Interstate Maintenance	16,370	2,430	18,800	18,800	0
National Highway System	30,570	6,755	37,325	37,325	0
STP Enhancement	0	0	0	0	0
STP Flexible	16,365	26,660	43,025	43,025	0
Transfer from FTA to FHWA	1,200	0	1,200	1,200	0
FHWA Total	93,946	43,044	136,990	136,990	0

FHWA Financial Constraint – FY 2010

FY 2010	Estimated Federal Funds Available for Oahu (x1000)	Local Funds (x1000)	Total Sources (x1000)	Total Uses (x1000)	Federal Funds Balance (x1000)
Bridge Off-System	1,560	390	1,950	1,950	0
Bridge On-System	22,425	5,605	28,030	28,030	0
CMAQ	800	0	800	800	0
Discretionary Funds	0	0	0	0	0
Earmark High Priority	775	195	970	970	0
Earmark Section 115	0	0	0	0	0
Highway Safety Improvement Program	0	0	0	0	0
Interstate Maintenance	7,060	1,765	8,825	8,825	0
National Highway System	23,120	5,780	28,900	28,900	0
STP Enhancement	5,200	1,300	6,500	6,500	0
STP Flexible	41,074	34,700	75,774	75,774	0
Transfer from FTA to FHWA	1,200	0	1,200	1,200	0
FHWA Total	103,214	49,735	152,949	152,949	0

FHWA Financial Constraint – FY 2011

FY 2011	Estimated Federal Funds Available for Oahu (x1000)	Local Funds (x1000)	Total Sources (x1000)	Total Uses (x1000)	Federal Funds Balance (x1000)
Bridge Off-System	360	90	450	450	0
Bridge On-System	34,274	8,571	42,845	42,845	0
CMAQ	800	0	800	800	0
Discretionary Funds	0	0	0	0	0
Earmark High Priority	0	0	0	0	0
Earmark Section 115	0	0	0	0	0
Highway Safety Improvement Program	4,900	1,100	6,000	6,000	0
Interstate Maintenance	13,160	1,665	14,825	14,825	0
National Highway System	14,250	3,250	17,500	17,500	0
STP Enhancement	0	0	0	0	0
STP Flexible	19,656	19,619	39,275	39,275	0
Transfer from FTA to FHWA	1,200	0	1,200	1,200	0
FHWA Total	88,600	34,295	122,895	122,895	0

13.2.2 FTA Financial Constraint

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

FTA Financial Constraint – FY 2008

FY 2008	Estimated Federal Funds Available for Oahu (x\$1000)	Local Funds (x\$1000)	Federal Funds Prior Year's Carryover (x\$1000)	Total Sources (x\$1000)	Total Uses (x\$1000)	Federal Funds Balance (x\$1000)
§5307 Urbanized Area Formula*	29,649	28,703	8,446	66,798	63,814	2,984
§5309 Bus Capital	8,000	8,750	5,437	22,187	17,500	4,687
§5309 Fixed Guideway Modernization	1,679	1,314	773	3,766	2,628	1,138
§5309 New Starts (Ferry allocation)	800	2,600	2,000	5,400	5,400	0
§5309 New Starts (pre-2005)	0	1,452	1,548	3,000	3,000	0
§5309 New Starts (post-2005)	14,000	71,000	0	85,000	85,000	0
FTA Total	54,128	113,819	18,204	186,151	177,342	8,809

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

FTA Financial Constraint – FY 2009

FY 2009	Estimated Federal Funds Available for Oahu (x\$1000)	Local Funds (x\$1000)	Federal Funds Prior Year's Carryover (x\$1000)	Total Sources (x\$1000)	Total Uses (x\$1000)	Federal Funds Balance (x\$1000)
§5307 Urbanized Area Formula*	31,539	19,299	2,984	53,822	48,828	4,994
§5309 Bus Capital	8,000	2,774	4,687	15,461	13,870	1,591
§5309 Fixed Guideway Modernization	1,856	0	1,138	2,994	0	2,994
§5309 New Starts (Ferry allocation)	2,000	1,500	0	3,500	3,500	0
§5309 New Starts (pre-2005)	0	0	0	0	0	0
§5309 New Starts (post-2005)	14,000	251,000	0	265,000	265,000	0
FTA Total	57,395	274,573	8,809	340,777	331,198	9,579

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

FTA Financial Constraint – FY 2010

FY 2010	Estimated Federal Funds Available for Oahu (x\$1000)	Local Funds (x\$1000)	Federal Funds Prior Year's Carryover (x\$1000)	Total Sources (x\$1000)	Total Uses (x\$1000)	Federal Funds Balance (x\$1000)
§5307 Urbanized Area Formula*	32,202	22,142	4,995	59,339	57,306	2,033
§5309 Bus Capital	8,000	11,524	1,591	21,115	21,000	115
§5309 Fixed Guideway Modernization	1,895	1,168	2,994	6,057	5,840	217
§5309 New Starts (Ferry allocation)	0	0	0	0	0	0
§5309 New Starts (pre-2005)	0	0	0	0	0	0
§5309 New Starts (post-2005)	4,000	251,000	0	255,000	255,000	0
FTA Total	46,097	285,834	9,580	341,511	339,146	2,365

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

FTA Financial Constraint – FY 2011

FY 2011	Estimated Federal Funds Available for Oahu (x\$1000)	Local Funds (x\$1000)	Federal Funds Prior Year's Carryover (x\$1000)	Total Sources (x\$1000)	Total Uses (x\$1000)	Federal Funds Balance (x\$1000)
§5307 Urbanized Area Formula*	32,878	22,889	2,032	57,799	55,090	2,709
§5309 Bus Capital	8,000	1,898	115	10,013	9,490	523
§5309 Fixed Guideway Modernization	1,935	438	217	2,590	2,190	400
§5309 New Starts (Ferry allocation)	0	0	0	0	0	0
§5309 New Starts (pre-2005)	0	0	0	0	0	0
§5309 New Starts (post-2005)	54,000	251,000	0	305,000	305,000	0
FTA Total	96,813	276,225	2,364	375,402	371,770	3,632

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

Locally-Funded Projects/Phases (No Federal-Aid Assistance)

	FY 2008 (x\$1000)	FY 2009 (x\$1000)	FY 2010 (x\$1000)	FY 2011 (x\$1000)	Total FYs 2008-2011 (x\$1000)
State of Hawaii-Sponsored Projects					
Total Sources	12,500	20,000	0	1,740	34,240
Total Uses	12,500	20,000	0	1,740	34,240
City and County of Honolulu – Sponsored Projects					
Total Sources	3,678	36,178	60	59	39,975
Total Uses	3,678	36,178	60	59	39,975
Total Locally-Funded Projects/Phases					
Total Sources	16,178	56,178	60	1,799	74,215
Total Uses	16,178	56,178	60	1,799	74,215

APPENDIX A: STATUS OF PROJECTS PROGRAMMED IN FY 2006

STATUS OF PREVIOUSLY PROGRAMMED TIP PROJECTS							
Project	Phase	Programmed in FY 2006 as of TIP Amendment #8			Funding Category	Amount Obligated (X\$1000)	Project Status
		Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)			
STATE OF HAWAII PROJECTS							
FEDERAL HIGHWAY ADMINISTRATION – FUNDED PROJECTS							
S74	Castle Hills Access Road Drainage Improvements <i>The project consists of the acquisition of a total of ten (10) private properties located within the Castle Hills and Kahaelani subdivisions; and the construction of a reinforced concrete drop structure, maintenance access road, chain link fence, and certain drainage improvements – including installation of Best Management Practices (BMPs), erosion control measures, and a detention basin, along a portion of Kapunahala Stream in the vicinity of Pookela Street, Kupohu Street, and Pilina Place in Kaneohe, Hawaii.</i>					0	Project deferred. Design and ROW acquisition still ongoing.
	ROW	7,900	0	7,900	Local		
	DES	200	0	200	Local		
	CON	4,000	4,000	0	Section 115		
S8	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway <i>Assist the State with managing and guiding the ITS program. Will include software development, equipment procurement assistance, acceptance testing, performance monitoring, and strategic planning. The project consists of installation of CCTV cameras, vehicle detectors, cabinets, and communication equipment. Minor interior modifications of the H-3 Control Center will be done to accommodate system improvements.</i>					1,600 1,543	Obligated.
	DES	2,000	1,600	400	Interstate Maintenance		
Phase 1A	CON	2,000	1,600	400	Interstate Maintenance		
S63	Interstate Route H-1, Addition and Modification of Freeway Access, Makalilo IC to Palailai IC (Kapolei IC Complex) <i>Improve/modify freeway access to Interstate Route H-1 between Makakilo Interchange and Palailai Interchange (Kapolei Interchange Complex).</i>					Not applicable; this phase is locally funded.	Estimated completion of design phase in early 2007.
	DES	2,400	0	2,400	Local		
S64	Interstate Route H-1, Concrete Pavement Preservation Dowel Retrofit, MP 2.4-3.2 (Palailai) & MP 25-36.4 (Kaimuki) <i>Concrete pavement preservation and dowel retrofit to extend the life of the roadway.</i>					3,391	Obligated.
	CON	3,500	3,150	350	Interstate Maintenance		
S11	Interstate Route H-1, Deck Repair Airport Viaduct, MP 15.73 to MP 18.52 <i>Repair Airport Viaduct from Valkenburg Street to Keehi Interchange.</i>					7,602 1,519	Obligated.
	CON	1,730	1,557	173	Interstate Maintenance		
	CON	4,770	3,816	954	Earmark High Priority		
S66	Interstate Route H-1, Guardrail and Shoulder Improvements, Waikele Bridge to Airport IC <i>Improve guardrail and shoulders from Waikele Bridge to Airport Interchange.</i>					6,122 200	Obligated.
	CON	4,700	4,230	470	Interstate Maintenance		
	CON	3,800	3,040	760	Earmark High Priority		

STATUS OF PREVIOUSLY PROGRAMMED TIP PROJECTS								
Project	Phase	Programmed in FY 2006 as of TIP Amendment #8			Funding Category	Amount Obligated (X\$1000)	Project Status	
		Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)				
S73	Interstate Route H-1, Kinau Off-Ramp Improvements, Near Queens Medical Center <i>The project will construct a right-turn lane from the Kinau Off-Ramp to provide a direct access to Lusitana Street. The design includes the addition of an 11-ft wide, 200-foot long deceleration lane.</i>							
		CON	3,000	1,725	1,275	TCSP local match: Queen's Medical Center	1,723	Obligated.
S67	Interstate Route H-1, Pavement Preventative Maintenance Waialeale Stream Bridge to Waipahu Street <i>Maintenance level improvements to travelway to extend the life of the roadway and prevent the need for full reconstruction in the near future.</i>							
		CON	4,500	4,050	450	Interstate Maintenance	0	Project deferred. Project development for 2006 funding was somewhat in doubt. Project was deferred/shelved, so other projects further ahead in project development could be funded.
S17	Interstate Route H-1, Seismic Retrofit, Lunalilo-Vineyard On-Ramp <i>Seismic retrofit existing 1,202-foot long bridge to meet current State seismic criteria.</i>							
		CON	740	592	148	Bridge On-System	495	Obligated.
S19	Interstate Route H-1 and H-2, Destination Sign Upgrade/Replacement <i>Replacing and/or upgrading the existing destination signs and sign support structure on Interstate Routes H-1 and H-2. This project is deemed necessary to qualify for Federal-Aid financing and/or reimbursement.</i>							
		DES	400	360	40	National Highway System	0	Project not needed. An existing operations and maintenance contract will take care of these needs.
S68	Interstate Route H-3, Pavement Preventative Maintenance Halekou IC to Kaneohe MCBH MP 10.75 to MP 15.31 <i>Maintenance level improvements to travelway to extend the life of the roadway and prevent the need for full reconstruction in the near future.</i>							
		CON	5,000	4,500	500	Interstate Maintenance	4,665	Obligated.
S24	James Campbell National Wildlife Refuge Improvements (managed by FWS) <i>To be administered by the U.S. Fish and Wildlife Service.</i>							
		CON	360	360	0	Public Lands Discretionary	0	Administered by the U.S. Fish & Wildlife Service.
		DES	30	30	0	Public Lands Discretionary	0	
S69	Kalaniana'ole Highway Intersection Improvements at Hanauma Bay <i>Construct left-turn lane into Hanauma Bay.</i>							
		CON	2,000	1,600	400	STP Flexible	1,044	Obligated.

STATUS OF PREVIOUSLY PROGRAMMED TIP PROJECTS								
Project	Phase	Programmed in FY 2006 as of TIP Amendment #8			Funding Category	Amount Obligated (X\$1000)	Project Status	
		Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)				
S29	Kalaniana'ole Highway Improvements, Retaining Wall at Makapuu <i>The scope of work will consist of constructing and/or repairing a retaining wall along Kalaniana'ole Highway in the vicinity of Makapuu Point, including subsurface investigation and slope protection. This project is deemed necessary to qualify for Federal-Aid financing and/or reimbursement.</i>						0	Project deferred. Conservation Use Permit has not been obtained yet. This leaves the environmental requirements incomplete.
	CON	9,900	7,920	1,980	National Highway System			
S30	Kamehameha Highway, Bridge Replacement Kaipapau Stream Bridge <i>Replacement of Kaipapau Stream Bridge. This project is deemed necessary to qualify for Federal-Aid financing and/or reimbursement.</i>						0	Not needed. Preliminary ROW funds were already obligated in 2002.
	ROW	100	80	20	Bridge On-System			
S34	Kamehameha Highway, Bridge Replacement South Kahana Stream Bridge <i>Replacement of South Kahana Stream Bridge. This project is deemed necessary to qualify for Federal-Aid financing and/or reimbursement.</i>						0	Project deferred. Environmental Assessment not ready.
	ROW	900	720	180	Bridge On-System			
S39	Kamehameha Highway, In-Bound Cane Haul Road Structure Replacement, Vicinity of Waipahu <i>Replacement of the in-bound Cane Haul Road structure. This project is deemed necessary to qualify for Federal-Aid financing and/or reimbursement.</i>						0	Project deferred. ROW maps not ready.
	ROW	500	400	100	Bridge On-System			
S41	Kamehameha Highway, Out-Bound Cane Haul Road Structure Replacement, Vicinity of Waipahu <i>Replacement of the out-bound Cane Haul Road structure. This project is deemed necessary to qualify for Federal-Aid financing and/or reimbursement.</i>						0	Project deferred. ROW maps not ready.
	ROW	500	400	100	Bridge On-System			
S47	Kamehameha Highway Resurfacing, Interstate Route H-2 to Waihau Street <i>Resurface existing roadway.</i>						9,420	Obligated.
	CON	12,000	9,600	2,400	National Highway System			
S58	North/South Road, Vicinity of Farrington Highway to Interstate Route H-1, Phase IB <i>Construct North/South Road from Farrington Highway to vicinity of the H-1 Freeway. Improvements include a multi-lane highway and an interchange at the H-1 Freeway. This project is deemed necessary to qualify for Federal-Aid financing and/or reimbursement.</i>						6,068	Obligated.
	Phase 1B	ROW	7,800	6,240	1,560	CMAQ		

STATUS OF PREVIOUSLY PROGRAMMED TIP PROJECTS								
Project	Phase	Programmed in FY 2006 as of TIP Amendment #8			Funding Category	Amount Obligated (X\$1000)	Project Status	
		Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)				
S61	Vanpool Program, Oahu <i>Encourage ridesharing during the peak commuting hours to reduce congestion by providing qualified users with a State-subsidized van.</i>							
		OPR	800	800		1,753	Obligated.	
		OPR	1,122	1,122	CMAQ FHWA Fund transfer from FTA §5307	1,087		
FHWA TOTAL (State Projects)		86,652	63,492	23,160		48,232		
FEDERAL TRANSIT ADMINISTRATION (FTA)-FUNDED PROJECTS								
S62	Elderly & Persons with Disabilities Program Vehicle Acquisition for Urban Areas <i>The FTA Section 5310 program provides assistance for the purpose of providing transportation services in meeting the special needs of elderly and disabled persons where mass transportation services are unavailable, insufficient, or inappropriate.</i>							
		EQP	220	176	44	FTA §5310	176	Obligated.
	FTA TOTAL (State Projects)		220	176	44		176	
CITY AND COUNTY OF HONOLULU PROJECTS								
FHWA-FUNDED PROJECTS								
C2	Bridge Inspection and Appraisal <i>Inventory, inspect, and appraise City bridges, including underwater inspections, scour analyses, surveys, and preparation of plans for bridge repairs.</i>							
		DES	350	280	70	Bridge Off-System	240	Programming of funds completed on 7/10/06. BR-NBIS(36)
C25	Computerized Traffic Control System Phase 9 <i>Upgrade and expand fiber optic lines, CCTV cameras, data collection, and signal control in urban center and outlying areas for connectivity to the Traffic Control Center.</i>							
	Phase 9	CON	2,000	1,600	400	STP Flexible	1,900	(100% federal) Programming of funds completed on 9/26/06. STP-0001(30)
C26	Computerized Traffic Control System Phase 10 <i>Upgrade and expand fiber optic lines, CCTV cameras, data collection, and signal control in urban center and outlying areas for connectivity to the Traffic Control Center.</i>							
	Phase 10	DES	300	240	60	STP Flexible	240	(100% federal) Programming of funds completed on 9/11/06. STP-0001(33)
C4	Hihimanu Street Sidewalk Improvements <i>Construct a 3,000-foot long sidewalk on the shoulder of Hihimanu Street from Kakaina Street to Waimanalo District Park.</i>							
		CON	1,300	1,300	0	Public Lands Discretionary	1,300	Programming of funds completed on 9/11/06. FLH-0300(90)
C5	Honolulu Traffic Control Center Operations <i>Operate and maintain the Traffic Control Center, including labor, utilities, equipment, management, and administrative costs.</i>							
		OPER	980	784	196	CMAQ	0	Programming of funds have not been submitted to the State. Project deferred.

STATUS OF PREVIOUSLY PROGRAMMED TIP PROJECTS							
Project	Phase	Programmed in FY 2006 as of TIP Amendment #8			Funding Category	Amount Obligated (X\$1000)	Project Status
		Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)			
C7	Kapolei Parkway <i>Design and construct Kapolei Parkway in two phases between Renton Road and the City/State property line at the western boundary of Ewa Villages (0.7 miles). Design funds for Hawaii's DOT review services.</i>					24 16,000	DES-Programming of funds completed on 8/7/06. CON-Programming of funds completed on 9/18/06. STP-8920(1)
	DES	30	24	6	STP Flexible		
	CON	32,600	17,900	14,700	STP Flexible		
C9	Makakilo Drive Extension <i>Plan roadway extension alternatives, recommend preferred alternative, prepare State/Federally compliant environmental assessment based on preferred alternative.</i>					400	Programming of funds completed on 9/11/06. STP-8810(1)
	PLN	800	300	500	STP Flexible		
C10	Seismic Bridge Retrofit. <i>Conduct site inspections, conduct seismic evaluations, identify alternative schemes for seismic retrofit, prepare plans and specifications for construction incorporating the retrofit.</i>					Not applicable; these phases are locally funded.	Not applicable.
	DES	290	0	290	Local		
	CON	133	0	133	Local		
C11	Traffic Signal Maintenance Facility <i>Design, construct, and equip a new traffic signal operating and maintenance facility.</i>					40	Programming of funds completed on 9/11/06. STP-0001(34)
	PLN	50	40	10	STP Flexible		
C32	Traffic Signals at Various Intersections Phase 8 <i>Install and upgrade traffic signals island-wide, including ADA improvements, signs and markings, and interties. Project work is warranted by the MUTCD and selected annually.</i>					(100% federal) 956	Programming of funds completed on 9/26/06. STP-0001(29)
	Phase 8	CON	2,000	1,600	400		
C33	Traffic Signals at Various Intersections Phase 9 <i>Install and upgrade traffic signals island-wide, including ADA improvements, signs and markings, and interties. Project work is warranted by the MUTCD and selected annually.</i>					(100% federal) 200	Programming of funds completed on 9/11/06. STP-0001(32)
	Phase 9	DES	250	200	50		
FHWA TOTAL (City Projects)		41,083	24,268	16,815		21,300	
FTA-FUNDED PROJECTS							
C15	Bus & Handi-Van Acquisition Program <i>Purchase replacement buses for fixed route and paratransit services: FY 2006: 9 60' buses & 20 <30' buses FY 2007: 19 60' buses & 20 < 30' buses; FY 2008: 25 40' buses & 12 <30' buses</i>					513 2,400 3,040	*Grant HI030040 executed on 9/13/08. **Grants HI030041 & HI050200 executed on 8/24/06. ***Grant HI030042 executed on 9/14/06.
	EQUIP	600	480	120	FTA §5309 Bus Capital*		
	EQUIP	3,000	2,400	600	FTA §5309 Fixed Guideway Modernization**		
	EQUIP	3,800	3,040	760	FTA §5309 New Starts***		

STATUS OF PREVIOUSLY PROGRAMMED TIP PROJECTS							
Project	Phase	Programmed in FY 2006 as of TIP Amendment #8			Funding Category	Amount Obligated (X\$1000)	Project Status
		Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)			
C18	Oahu Intra-Island Ferry <i>Conduct an operational demonstration project from Kalaeloa to Honolulu Harbor. Type and location of landside improvements will be identified during the demonstration; design and construction will commence after environmental clearance is received.</i>					Not applicable; this phase is locally funded.	Continued procurement of demonstration contractor.
	PLN	200	0	200	Local		
C19	Preventive Maintenance <i>Federal capital assistance for TheBus and TheHandi-Van maintenance costs.</i>					18,117 3,140	*Grant HI90X024 executed on 8/3/06. **Grant HI040001 executed on 9/19/06.
	OPER	23,325	18,660	4,665	FTA §5307*		
C20	Transfer to FHWA for Vanpool <i>FTA Section 5307 funds to be transferred to FHWA for Hawaii DOT's Vanpool program.</i>					Not applicable; see Project #S61	\$1,164,176 transfer amount approved by FTA on 6/14/06.
	OPER	1,122	1,122	0	FTA §5307		
C21	Transit Radio Replacement Phase III <i>Install automated vehicle location and computer-aided dispatch components to the paratransit radio communications system.</i>					1,040	Grant HI90X024 executed on 8/3/06.
	DES	250	0	250	Local		
	EQUIP	1,300	1,040	260	FTA §5307		
C22	Transit Related Safety and Security Projects <i>Capital projects at various locations to improve security/safety at bus stops, park-and-ride lots, and bus facilities.</i>					40	Grant HI90X024 executed on 8/3/06.
	EQUIP	50	40	10	FTA §5307		
C23	Wahiawa Transit Center <i>Construct a transit center and parking structure on a parcel bordering Center Street and California Avenue.</i>					2,429	Grant HI030040 executed on 9/13/06.
	DES	500	0	500	Local		
	CON	6,306	2,429	3,877	FTA §5309 Bus Capital		
FTA TOTAL (City Projects)		44,428	32,351	12,077		30,719	

APPENDIX B: CAC TIP PROJECT RECOMMENDATIONS

RECOMMENDATIONS
TO THE
FISCAL YEARS 2008-2011
TRANSPORTATION IMPROVEMENT PROGRAM

Presented by:
Oahu Metropolitan Planning Organization
Citizen Advisory Committee
Fiscal Years 2008-2011
Transportation Improvement Program

September 19, 2006

Background

In June 2006, the Oahu Metropolitan Planning Organization (OMPO) Citizen Advisory Committee (CAC) formed a CAC Transportation Improvement Program (TIP) Subcommittee. The purpose of the subcommittee was to screen nominated projects and provide an initial listing of qualified projects to the CAC for its consideration and recommendation to the Policy Committee for inclusion in the Fiscal Years (FYs) 2008-2011 TIP. The subcommittee met five times in June 2006, establishing criteria and evaluating the projects. A summary of the subcommittee process and recommendations follows. The attachment is a matrix of projects with a description of each project proposed for the FYs 2008-2011 TIP.

The subcommittee members included:

Charles Carole, Chair	Neighborhood Board #10 Makiki-Lower Punchbowl-Tantalus
Sherman Wong	Castle and Cooke Homes Hawaii, Inc
Scott Snider	Hawaii Bicycling League
Chad Taniguchi	Hawaii Bicycling League
CC Curry	Interagency Coordination Councils Organization
Lester Fukuda	Neighborhood Board #03 Waialae-Kahala
Thomas Maus	Neighborhood Board #22 Waipahu
L. Gary Bautista	Neighborhood Board #23 Ewa
Rich Hargrave	Neighborhood Board #23 Ewa
Michael Golojuch	Neighborhood Board #34 Makakilo-Kapolei-Honokai Hale
Gil Riviere	North Shore Chamber of Commerce
Richard Kane	The Pacific Resource Partnership
Glenn Oamilda	

Screening Criteria

The subcommittee established criteria for project selection that included:

1. Especially worthy of inclusion into the next TIP.
 - Projects that reduce or eliminate threats to life/health/safety
 - Projects that improve connectivity
 - Projects that provide congestion relief or second access
 - Geographic equity
2. Worthy of inclusion into the next TIP, but not yet ready-to-go.

Project Screening Process

The Subcommittee looked at the projects in the *Oahu Regional Transportation Plan 2030* (ORTP 2030) and the projects that were scheduled for FY 2008 and beyond in the FY 2006-2008 TIP. In addition, members were asked for projects they felt were important to their communities. The

list of proposed projects was screened to consolidate duplicate submittals of the same project. The consolidated projects listing was then discussed and evaluated using the above-listed criteria; a draft list of projects for recommendation was developed.

Recommendations

The Subcommittee recommendations fall into two categories (described below). The subcommittee recommends that the following projects be submitted to the Policy Committee and implementing agencies for inclusion in the FYs 2008-2011 TIP. The matrices in Appendix A provide additional information.

Category #1

The TIP Subcommittee felt that it was important that these projects be included in the FYs 2008-2011 TIP:

CAC TIP RECOMMENDATIONS

- B1¹ Ala Moana Boulevard Bike Lane
- C1 Alapai Transit Center & Joint Transportation Management Center
- 18 Bike Plan Hawaii – Oahu (Bike Plan Hawaii includes only “Priority One” projects listed in the Honolulu Bicycle Master Plan)
- C2 Bridge Inspection and Appraisal
- C15 Bus & Handi-Van Acquisition Program
- 456 Enhancement Projects
- S1 Farrington Highway, Bridge Rehabilitation Kaupuni Stream Bridge
- 60,61 Farrington Highway, Safety Improvements, Makua Valley Road to Aliinui Drive
- 62,67 Farrington Highway, Widening, Fort Barrette Road to west of Fort Weaver Road
- 6 Ferry, Intra-Island Express Commuter, in the vicinity of Ocean Pointe Marina to Honolulu Harbor
- S7 Fort Barrette Road Widening, Farrington Highway to Barber’s Point Gate
- S9 Freeway Service Patrol at Various Locations
- High-Capacity Transit Corridor Kapolei to Manoa/Waikiki
- 81,93 Intelligent Transportation Systems (ITS)
- S20 Interstate Route H-1 Waiawa Interchange Westbound, Additional Westbound Lane
- S18 Interstate Route H-1 Widening Eastbound, Waiiau Interchange to Halawa Interchange
- 134, 143 Interstate Route H-1 Zipper Lane (PM), Keehi Interchange to Kunia Interchange
- S15 Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 1
- S15 Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 2
- S16 Interstate Route H-1, Seismic Retrofit Farrington Highway, Makakilo Separation and Military Road Overpass

¹ The numbers in this column reference projects in the Oahu Regional Transportation Plan 2030 (without a alpha prefix), the FY 2006-2008 TIP (with “C” and “S” prefixes), and the Hawaii Bicycle Plan (with “B” prefix)

CAC TIP RECOMMENDATIONS

- S21 Interstate Route H-1, Waiawa Interchange Westbound, Waipahu Off-Ramp Improvements
- 105, 114, Interstate Route H-1, Widening, Middle Street to Vineyard Boulevard
- 135, 174 Interstate Route H-1, Widening, Waipahu Off-Ramp
- B1 Stripe Bike Lane at Interstate Route H-2, Mililani Interchange at Meheula Parkway
- 179 Interstate Routes H-1 & H-2, Operational Improvements, Waiawa Interchange
- 193 Kalanianaʻole Highway, Safety & Operational Improvements, Olomana Golf Course to Waimanalo Beach Park
- S30 Kamehameha Highway, Kaipapau Stream Bridge Rehabilitation
- S32 Kamehameha Highway, Kawela Stream Bridge Replacement
- S42 Kamehameha Highway, Rehabilitation of Makaua Stream Bridge
- S45 Kamehameha Highway, Rehabilitation of Waikane Stream Bridge
- S72 Kamehameha Highway, Rockfall Protection at Waimea Bay MP 5.4 to 5.52
- 254 Kamehameha Highway, Widening, Kahuhipa Street to Pali Highway
- 219 Kamehameha Highway, Widening, Lanikuhana Avenue to Ka Uka Boulevard
- C7 Kapolei Parkway
- B2 Kipapa Gulch Bikeway
- S52 Leeward Bikeway, Phase I, Waipio Point Access Road
- 39, 282 Makakilo Drive, Second Access, Makakilo Drive to North-South Road/Interstate Route H-1 Interchange
- B3 Meheula Parkway – Restripe for bike lane
- S57 Nimitz Highway, Intersection Improvements at Valkenburg Street
- B4 Nimitz Highway Bike Lane, Middle Street to Waiakamilo
- 307 North-South Road, Widening & Extension, Interstate Route H-1 to Franklin D. Roosevelt Avenue
- B5 Old Pali Road Bike Lane
- 43,44 Pali Highway, Nuuanu Avenue to Waokanaka Street
- C10 Seismic Bridge Retrofit at various locations
- 603 System Preservation
- 444B TheBus Service, Expansion, Islandwide
- 454 TheBus Service, Expansion, Ewa, Kapolei, & Central Oahu
- 444A TheBus Service, Expansion, North Shore, Waianae, & Windward Oahu
- 508 Transit Centers, Various Locations
- C22 Transit Related Safety and Security Projects
- 20 Transportation Demand Management (TDM) Program

In addition, the Subcommittee felt that the following projects should be modified and included in the FYs 2008-2011 TIP.

- 21,22 Van Pool Program
 - Modify to include access for the elderly and disabled
- S50 Kamehameha Highway, Shoreline Protection, Vicinity of Kawaioloa Beach
- S42 Kamehameha Highway, Rehabilitation of Kawaioloa Stream Bridge
 - Combine the two projects above (S42 and S50) into a project that would realign Kamehameha Highway mauka at Laniakea Beach.

Category #2

These projects were submitted by the TIP Subcommittee and meet all of the screening criteria, with the exception of being “ready-to-go” within the FYs 2008-2011 period. These projects are recommended for inclusion in the TIP for the planning phase only.

- Kunia Road, Widening and Interchange Improvement, Wilikina Drive to Farrington Highway
- Waianae Mauka Road, Second Access, Waianae to Kapolei Parkway
- Waianae Second Access Road Farrington Highway to Kunia Road

**CAC Recommendations
Appendix A:**

Projects with Descriptions

(CAC Projects Proposed for Inclusion in the Fiscal Years 2008-2011 Transportation Improvement Program)

CAC TIP RECOMMENDATIONS				
PROJ. #	Facility/ Project Title	Project Description	Project Type	DISTRICT
B1	Ala Moana Boulevard Bike Lane	Connect Kalakaua to Nimitz Highway	Connectivity	Honolulu
C1	Alapai Transit Center and Joint Traffic Management Center	Plan, design, and construct a transit center and joint traffic management center at existing Alapai Express Bus Terminal. The traffic management center building will also provide space for the Honolulu Police Department, Emergency Management Services’ dispatch center, and the Department of	Islandwide	Islandwide

CAC TIP RECOMMENDATIONS				
PROJ. #	Facility/ Project Title	Project Description	Project Type	DISTRICT
		Transportation Services. Also see C&C Honolulu – FTA #C14		
18	Bike Plan Hawaii – Oahu	Implement Oahu elements of the State of Hawaii’s Bike Plan Hawaii. (Bike Plan Hawaii includes only “Priority One” projects as identified in the Honolulu Bicycle Master Plan).	Islandwide Projects	Islandwide
C2	Bridge Inspection and Appraisal	Inventory, inspect, and appraise City bridges – including underwater inspections, scour analyses, surveys, and preparation of plans for bridge repairs.	O&M	
C15	Bus & Handi-Van Acquisition Program	Purchase replacement buses for fixed route and paratransit services.	Transit	
456	Enhancement Projects	Implement enhancement projects, including, but not limited to, projects from the Transportation Enhancement Program for Oahu. Includes development of a pedestrian plan for Oahu.	Islandwide	Islandwide
S1	Farrington Highway, Bridge Rehabilitation Kaupuni Stream Bridge	Widen existing three-span 149-foot long concrete T-beam bridge by about 18.5 feet and strengthen existing portion to meet current State standards MP 11.28.	Operation & Maintenance	Waianae
60,61	Farrington Highway, Safety Improvements, Makua Valley Road to Aliinui Drive	Construct safety improvements on Farrington Highway along the Waianae Coast, from Makua Valley Road (Kaena Point) to Aliinui Drive (Kahe Point). This project includes realignment around Makaha Beach Park, between Makau Street and Water Street.	Safety & Operational	Waianae
62 67	Farrington Highway, Widening, Fort Barrette Road to west of Fort Weaver Road	Widen Farrington Highway from 2 to 4 lanes, from Fort Barrette Road to west of Fort Weaver Road.	Congestion Relief	Ewa
6	Ferry, Intra-Island Express Commuter, in the vicinity of Ocean Pointe Marina to Honolulu Harbor	Implement intra-island passenger ferry in the vicinity of the Ocean Pointe Marina in Ewa to Honolulu Harbor.	Transit	Ewa
S7	Fort Barrette Road Widening, Farrington Highway to Barber’s Point Gate	Widen existing roadway to four lanes and other improvements – including right and left turning lanes, sidewalk, bikeway, highway lighting, drainage, traffic signals, landscaping, and other improvements.	Congestion Relief	Ewa
S9	Freeway Service Patrol at Various Locations	This program will operate roving service patrols. Services to include towing of disabled vehicles; removing debris; providing basic fire extinguisher use; deploying traffic control devices; assisting HPD, HFD, and EMS at crash scenes and other incidents; assisting sick or injured motorists with basic first aid; and notifying 911 of incidents.	Islandwide	Islandwide
	High-Capacity Transit Corridor Kapolei to Manoa/ Waikiki	To be decided by the City Council in November.	Transit	Ewa Central Honolulu

CAC TIP RECOMMENDATIONS				
PROJ. #	Facility/ Project Title	Project Description	Project Type	DISTRICT
81 93	Intelligent Transportation Systems (ITS)	Implement ITS projects including, but not limited to, those identified in the Oahu Regional ITS Architecture.	Islandwide Projects	Islandwide
S20	Interstate Route H-1 Waiawa Interchange Westbound, Additional Westbound Lane	Design an additional H-1 west-bound lane through Waiawa Interchange.	Congestion Relief	Central
S18	Interstate Route H-1 Widening Eastbound, Waiawa Interchange to Halawa Interchange	Widen H-1 Freeway to six lanes from Waiawa Interchange to Halawa Interchange in the east-bound direction, and restore current freeway lane width and shoulder standards.	Congestion Relief	Central
134 143	Interstate Route H-1 Zipper Lane (PM), Keehi Interchange to Kunia Interchange	Construct a Zipper lane on the Interstate Route H-1, in the westbound direction, from Keehi Interchange to Kunia Interchange. This project would be in use during the PM peak.	Congestion Relief	Honolulu Central Ewa
S15	Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 1	Construction for replacing, repairing, and/or strengthening of the Pearl City and Waimalu Viaducts concrete decks and other structural components. Project will be implemented in 5 phases.	Operation & Maintenance	Honolulu
S15	Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 2	Construction for replacing, repairing, and/or strengthening of the Pearl City and Waimalu Viaducts concrete decks and other structural components. Project will be implemented in 5 phases.	Operation & Maintenance	Honolulu
S16	Interstate Route H-1, Seismic Retrofit Farrington Highway, Makakilo Separation and Military Road Overpass	H-1 Freeway (Route H-1) Farrington Highway Separation, Makakilo Separation and Military Road Overpass Seismic Retrofit. MP 0.49-6.34. Seismic Retrofit existing 332-, 251-, 278- foot long bridges to meet current State seismic criteria.	Operation & Maintenance	Waianae
S21	Interstate Route H-1, Waiawa Interchange Westbound, Waipahu Off-Ramp Improvements	Design to widen the Waipahu off-ramp from one to two lanes.	Congestion Relief	Central
105 114 153	Interstate Route H-1, Widening, Middle Street to Vineyard Boulevard	Widen the Interstate Route H-1 by 1 lane, in the eastbound direction, from Middle Street to Vineyard Boulevard, as identified below: From 2 to 3 lanes from Middle Street to Likelike Highway off-ramp, and from 3 to 4 lanes from Likelike Highway off-ramp to Vineyard Blvd.	Congestion Relief	Honolulu
135 174	Interstate Route H-1, Widening, Waipahu Off-Ramp	Widen the Interstate Route H-1 Waipahu Street off-ramp from 1 to 2 lanes, in the westbound direction, at the Waiawa Interchange.	Congestion Relief	Central
	Interstate Route H-2, Mililani Interchange at Meheula Pkwy	Bike lane striping ("Priority One" project listed in <i>the Honolulu Bicycle Master Plan</i>)	Safety & Operational	Central
179	Interstate Routes H-1 & H-2, Operational Improvements, Waiawa Interchange	Modify the Interstate Routes H-1 and H-2 Waiawa Interchange, to improve merging characteristics through operational improvements (e.g., additional transition lanes).	Congestion Relief	Central

CAC TIP RECOMMENDATIONS				
PROJ. #	Facility/ Project Title	Project Description	Project Type	DISTRICT
193	Kalaniana'ole Highway, Safety & Operational Improvements, Olomana Golf Course to Waimanalo Beach Park	Construct safety and operational improvements along Kalaniana'ole Highway between the Olomana Golf Course and Waimanalo Beach Park. Specific safety and operational improvements include construction of turning lanes, sidewalks, wheelchair ramps, bike paths or bike lanes; traffic signal upgrades; utility relocation; and drainage improvements	Safety & Operational	Koolaupoko
S30	Kamehameha Highway, Kaipapau Stream Bridge Rehabilitation	Replacement of Kaipapau Stream Bridge. This project is deemed necessary to qualify for Federal-Aid financing and/or reimbursement.	Operation & Maintenance	Koolauloa
S32	Kamehameha Highway, Kawela Stream Bridge Replacement	Replacement of Kawela Stream Bridge. This project is deemed necessary to qualify for Federal-Aid financing and/or reimbursement.	Operation & Maintenance	Koolauloa
S44	Kamehameha Highway, Rehabilitation of Makaua Stream Bridge	Kamehameha Highway (Route 83) Makaua Stream Bridge Rehabilitation. MP 27.70. Rehabilitate existing 44-foot long bridge by widening and strengthening to meet current State standards.	Operation & Maintenance	Koolauloa
S45	Kamehameha Highway, Rehabilitation of Waikane Stream Bridge	Kamehameha Highway (Route 83) Waikane Stream Bridge Rehabilitation. MP 33.54. Rehabilitate existing 44-foot long bridge by widening and strengthening to meet current State standards.	Operation & Maintenance	Koolaupoko
S72	Kamehameha Highway, Rockfall Protection at Waimea Bay MP 5.4 to 5.52	Rockfall mitigation measures along Kamehameha Highway at Waimea Bay.	Safety	Koolauloa
254	Kamehameha Highway, Widening, Kahuhipa Street to Pali Highway	Widen Kamehameha Highway, by 1 lane in each direction, from Kahuhipa Street to Pali Highway as follows: <ul style="list-style-type: none"> ● To 8 lanes, Kahuhipa Street to Likelike Highway/Kaneohe Bay Drive ● To 7 lanes (3 southbound lanes and 4 northbound lanes) between Likelike Highway and Pali Highway. 	Congestion Relief	Koolaupoko
219	Kamehameha Highway, Widening. Lanikuhana Avenue to Ka Uka Boulevard	Widen Kamehameha Highway from a 3-lane to a 4-lane divided facility between Lanikuhana Avenue and Ka Uka Boulevard. This project includes shoulders for bicycles and disabled vehicles, bridge crossing replacement, bikeways, etc.	Congestion Relief	Central
C7	Kapolei Parkway	Design and construct Kapolei Parkway in two phases between Renton Road and the City/State property line at the western boundary of Ewa Villages (0.7 miles).	Congestion Relief	Ewa
B2	Kipapa Gulch Bikeway	Bike lane ("Priority One" project listed in the <i>Honolulu Bicycle Master Plan</i>)	Congestion Relief	Central
S52	Leeward Bikeway, Phase I, Waipio Point Access Road	Construct a 10-foot wide shared use facility within the former Oahu Railway and Land Company 40-foot right-of-way.	Islandwide	Ewa
39,282	Makakilo Drive, Second Access, Makakilo Drive to North-South Road/Interstate Route H-1 Interchange	Extend Makakilo Drive (vicinity Pueonani Street) south to the Interstate Route H-1 Freeway Interchange as 4-lane roadway, connecting Makakilo Drive to North-South Road	Second Access	Ewa

CAC TIP RECOMMENDATIONS				
PROJ. #	Facility/ Project Title	Project Description	Project Type	DISTRICT
B3	Meheula Parkway – Restripe for bike lane	Bike lane (“Priority One” project listed in <i>the Honolulu Bicycle Master Plan</i>)	Safety & Operational	Central
S57	Nimitz Highway, Intersection Improvements at Valkenburg Street	Construct safety and operational improvements	Safety	Honolulu
B4	Nimitz Highway, Middle Street to Waiakamilo	Connect the bike lane on Nimitz Highway between Middle Street and Waiakamilo Road Bike lane (“Priority One” project listed in <i>the Honolulu Bicycle Master Plan</i>)	Safety & Operational/ Connectivity	Honolulu
307	North-South Road, Widening & Extension, Interstate Route H-1 to Franklin D. Roosevelt Avenue	Widen and extend North-South Road as follows: From 3 to 6 lanes from Kapolei Parkway to Interstate Route H-1. Extend from Kapolei Parkway to Franklin D. Roosevelt Avenue (6 lanes).	Congestion Relief	Ewa
B5	Old Pali Road Bike Lane	Listed as Priority 2-mid-term project in <i>BikePlan Hawaii</i>	Congestion Relief	Honolulu
B6	Pali Highway, Nuuanu Avenue to Waokanaka Street	Listed as Priority 2-mid-term project in <i>BikePlan Hawaii</i>	Congestion Relief	Honolulu
C10	Seismic Bridge Retrofit	Conduct site inspections, conduct seismic evaluations, identify alternative schemes for seismic retrofit, prepare plans and specifications for construction incorporating the retrofit.	Operation & Maintenance	Islandwide
603	System Preservation	Preserve the highway system through projects including, but not limited to, bridge replacement and seismic retrofit, pavement preventative maintenance, etc.	Operation & Maintenance	Islandwide
454	TheBus Service, Expansion, Ewa, Kapolei, & Central Oahu	Expand the bus service to and within the Ewa, Kapolei, and Central Oahu developing areas.	Transit	Ewa Central
453	TheBus Service, Expansion, Islandwide	Expand the bus service through increase of capacity of the existing system to accommodate population growth.	Transit	Islandwide
444A	TheBus Service, Expansion, North Shore, Waianae, & Windward Oahu	Expand the bus service through increase of Express bus service to the North Shore, Waianae, and Windward Oahu.	Transit	North Shore Koolauloa Koolaupoko
508	Transit Centers, Various Locations	Construct transit centers at various locations islandwide to support the Rail Transit and TheBus systems.	Transit	Islandwide
C22	Transit Related Safety and Security Projects	Capital projects at various locations to improve security/safety at bus stops, park-and-ride lots, and bus facilities.	Transit	Islandwide
20	Transportation Demand Management (TDM) Program	Develop an aggressive TDM program that could include, but is not limited to: 1) Free real-time online carpool matching, 2) Outreach promotion and marketing of alternative transportation, 3) Emergency ride home program, 4) Major special events, 5) Employer-based commuter programs, 6) Emerging and innovative strategies (e.g., car sharing).	Islandwide Projects	Islandwide

ADDENDUM

OMPO Citizen Advisory Committee Member Comments
on the CAC TIP Recommendations
for the FYs 2008, 2009, 2010, and 2011 Transportation Improvement Program

As of September 19, 2006

Public Comment Period: July 19, 2006 – September 19, 2006

CAC TIP RECOMMENDATIONS ADDENDUM			
		PROJECT	COMMENT
1	Listing of Projects	C1 / C14 TIP 501 ORTP	Supports the Alapai Transit Center and Joint Transportation Management Center
		134,143 ORTP	Supports the Interstate Route H-1 Zipper Lane (p.m.), Keehi Interchange to Kunia Interchange
		S21 TIP	Supports the Interstate Route H-1 Waiawa Interchange westbound, Waipahu Off-Ramp Improvements
		135, 174 ORTP	Supports the Interstate Route H-1, Widening, Waipahu Off-Ramp
		179 ORTP	Supports the Interstate Route H-1 and H-2, Operational Improvements, Waiawa Interchange
		307 ORTP	Supports the North-South Road, Widening & Extension, Interstate Route H-1 to Franklin D. Roosevelt Avenue
		454 ORTP	Supports TheBus Service, Expansion, Ewa, Kapolei, & Central Oahu
		431B, 440 ORTP	Supports the High Capacity Transit Corridor, Kapolei to Manoa/Waikiki
		508 ORTP	Supports the Transit Centers, Various Locations
		444A ORTP	Supports TheBus Service, Expansion, North Shore, Waianae, & Windward Oahu
		20 ORTP	Supports the Transportation Demand Management (TDM) Program
		18 ORTP	Supports the Kipapa Gulch Bikeway
		S64 TIP 219 ORTP	Supports the Kamehameha Highway, Widening, Lanikuhana Avenue to Ka Uka Boulevard
		18 ORTP	Supports the <i>Bike Plan Hawaii – Oahu (Bike Plan Hawaii includes only Priority One projects listed in the Honolulu Bicycle Master Plan)</i>
2	Suggested Amendments	62, 64, 65, 67 ORTP	Supports the Farrington Highway, Widening
		C8 TIP	#1) Add City and County's portion of the Kapunahala Stream Control Project sooner to compliment the Hawaii DOT's portion of the project which is already funded by federal dollars.
		New Project	#2) Provide similar quantity parking in a multi-deck parking garage in the same location that was proposed under the Bus Rapid Transit Project on the site that is makai of the City's bus parking and maintenance yard. It is located northeast of the corner of Middle Street and Dillingham Boulevard along Kalihi Stream. This would serve residents from the primary urban center and residents from the windward side of Oahu that will be utilizing the high-speed rapid transit going east or west.
	Suggested Amendments	C8 TIP	Supports moving the Kapunahala Stream Bypass Channel into the FYs 2008-2011 TIP.
4	Suggested Deletion	431B 440 ORTP	Opposes the High Capacity Transit System Waikiki Spur.

APPENDIX C: RESPONSES TO CAC TIP RECOMMENDATIONS

OahuMPO CITIZEN ADVISORY COMMITTEE RECOMMENDATIONS					AGENCY RESPONSES	
PROJ. #	Facility/Project Title	Project Description	Project Type	District	Included in Draft FYs 2008-2011 TIP?	Implementing Agency
CATEGORY #1 – CAC recommended that these projects be included in the TIP.						
B1	Ala Moana Boulevard Bike Lane	Connect Kalakaua to Nimitz Highway	Connectivity	Honolulu	No – The way the project is presently scoped, it is infeasible. It requires too much ROW acquisition.	State
C1	Alapai Transit Center and Joint Traffic Management Center	Plan, design, and construct a transit center and joint traffic management center at existing Alapai Express Bus Terminal. The traffic management center building will also provide space for the Honolulu Police Department, Emergency Management Services' dispatch center, and the Department of Transportation Services. Also see C&C Honolulu – FTA #C14	Islandwide	Islandwide	Yes – C01 and C15	City
18	Bike Plan Hawaii – Oahu	Implement Oahu elements of the State of Hawaii's Bike Plan Hawaii. (Bike Plan Hawaii includes only "Priority One" projects as identified in the Honolulu Bicycle Master Plan).	Islandwide Projects	Islandwide	No – HDOT is awaiting development of a Bicycle Implementation Plan to determine priorities for implementation. The City's bike projects are not considered regionally significant and will be locally funded.	City and State
C2	Bridge Inspection and Appraisal	Inventory, inspect, and appraise City bridges – including underwater inspections, scour analyses, surveys, and preparation of plans for bridge repairs.	O&M		Yes – C02	City
C15	Bus & Handi-Van Acquisition Program	Purchase replacement buses for fixed route and paratransit services.	Transit		Yes – C16	City
456	Enhancement Projects	Implement enhancement projects, including, but not limited to, projects from the Transportation Enhancement Program for Oahu. Includes development of a pedestrian plan for Oahu.	Islandwide	Islandwide	Yes – e.g., S81 and S82	City and State

OahuMPO CITIZEN ADVISORY COMMITTEE RECOMMENDATIONS					AGENCY RESPONSES	
PROJ. #	Facility/Project Title	Project Description	Project Type	District	Included in Draft FYs 2008-2011 TIP?	Implementing Agency
S1	Farrington Highway, Bridge Rehabilitation Kaupuni Stream Bridge	Widen existing three-span 149-foot long concrete T-beam bridge by about 18.5 feet and strengthen existing portion to meet current State standards MP 11.28.	Operation & Maintenance	Waianae	Yes – S03	State
60,61	Farrington Highway, Safety Improvements, Makua Valley Road to Aliinui Drive	Construct safety improvements on Farrington Highway along the Waianae Coast, from Makua Valley Road (Kaena Point) to Aliinui Drive (Kahe Point). This project includes realignment around Makaha Beach Park, between Makau Street and Water Street.	Safety & Operational	Waianae	No – Farrington Highway Safety Improvements, from Nanakuli to Makaha was already obligated in 2002.	State
62 67	Farrington Highway, Widening, Fort Barrette Road to west of Fort Weaver Road	Widen Farrington Highway from 2 to 4 lanes, from Fort Barrette Road to west of Fort Weaver Road.	Congestion Relief	Ewa	The State is responsible from Fort Barrette Road to Golf Course Road; and the City is responsible from Golf Course Road to Fort Weaver Road. The City's efforts to constrain the TIP along with its overall City priorities of projects and available funding necessitated the deferral of this project's inclusion in the proposed TIP.	City and State
6	Ferry, Intra-Island Express Commuter, in the vicinity of Ocean Pointe Marina to Honolulu Harbor	Implement intra-island passenger ferry in the vicinity of the Ocean Pointe Marina in Ewa to Honolulu Harbor.	Transit	Ewa	No – Ocean Pointe Marina is not yet completed. When it becomes available, the City will consider its location.	City
S7	Fort Barrette Road Widening, Farrington Highway to Barber's Point Gate	Widen existing roadway to four lanes and other improvements – including right and left turning lanes, sidewalk, bikeway, highway lighting, drainage, traffic signals, landscaping, and other improvements.	Congestion Relief	Ewa	Yes – S09	State
S9	Freeway Service Patrol at Various Locations	This program will operate roving service patrols. Services to include towing of disabled vehicles; removing debris; providing basic fire extinguisher use; deploying traffic control devices; assisting HPD, HFD, and EMS at crash scenes and other incidents; assisting sick or injured motorists with basic first aid; and notifying 911 of incidents.	Islandwide	Islandwide	Yes – S15	State

OahuMPO CITIZEN ADVISORY COMMITTEE RECOMMENDATIONS					AGENCY RESPONSES	
PROJ. #	Facility/Project Title	Project Description	Project Type	District	Included in Draft FYs 2008-2011 TIP?	Implementing Agency
	High-Capacity Transit Corridor Kapolei to Manoa/Waikiki	To be decided by the City Council in November.	Transit	Ewa Central Honolulu	Yes – C17	City
81 93	Intelligent Transportation Systems (ITS)	Implement ITS projects including, but not limited to, those identified in the Oahu Regional ITS Architecture.	Islandwide Projects	Islandwide	Yes – e.g., S10, C03	City and State
S20	Interstate Route H-1 Waiawa Interchange Westbound, Additional Westbound Lane	Design an additional H-1 west-bound lane through Waiawa Interchange.	Congestion Relief	Central	Yes – S28	State
S18	Interstate Route H-1 Widening Eastbound, Waiawa Interchange to Halawa Interchange	Widen H-1 Freeway to six lanes from Waiawa Interchange to Halawa Interchange in the east-bound direction, and restore current freeway lane width and shoulder standards.	Congestion Relief	Central	Yes – S34	State
134 143	Interstate Route H-1 Zipper Lane (PM), Keehi Interchange to Kunia Interchange	Construct a Zipper lane on the Interstate Route H-1, in the westbound direction, from Keehi Interchange to Kunia Interchange. This project would be in use during the PM peak.	Congestion Relief	Honolulu Central Ewa	Yes – S29	State
S15	Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 1	Construction for replacing, repairing, and/or strengthening of the Pearl City and Waimalu Viaducts concrete decks and other structural components. Project will be implemented in 5 phases.	Operation & Maintenance	Honolulu	Yes – S23	State
S15	Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 2	Construction for replacing, repairing, and/or strengthening of the Pearl City and Waimalu Viaducts concrete decks and other structural components. Project will be implemented in 5 phases.	Operation & Maintenance	Honolulu	Yes – S24	State
S16	Interstate Route H-1, Seismic Retrofit Farrington Highway, Makakilo Separation and Military Road Overpass	H-1 Freeway (Route H-1) Farrington Highway Separation, Makakilo Separation and Military Road Overpass Seismic Retrofit. MP 0.49-6.34. Seismic Retrofit existing 332-, 251-, 278- foot long bridges to meet current State seismic criteria.	Operation & Maintenance	Waianae	Yes – S31	State
S21	Interstate Route H-1, Waiawa Interchange Westbound, Waipahu Off-Ramp Improvements	Design to widen the Waipahu off-ramp from one to two lanes.	Congestion Relief	Central	Yes – S35	State

OahuMPO CITIZEN ADVISORY COMMITTEE RECOMMENDATIONS					AGENCY RESPONSES	
PROJ. #	Facility/Project Title	Project Description	Project Type	District	Included in Draft FYs 2008-2011 TIP?	Implementing Agency
105 114 153	Interstate Route H-1, Widening, Middle Street to Vineyard Boulevard	Widen the Interstate Route H-1 by 1 lane, in the eastbound direction, from Middle Street to Vineyard Boulevard, as identified below: From 2 to 3 lanes from Middle Street to Likelike Highway off-ramp, and from 3 to 4 lanes from Likelike Highway off-ramp to Vineyard Blvd.	Congestion Relief	Honolulu	No – Design evaluation revealed safety concerns over original scope to re-stripe. Planning project needed, but not presently programmed. Working on other priorities.	State
135 174	Interstate Route H-1, Widening, Waipahu Off-Ramp	Widen the Interstate Route H-1 Waipahu Street off-ramp from 1 to 2 lanes, in the westbound direction, at the Waiawa Interchange.	Congestion Relief	Central	Yes – S35	State
	Interstate Route H-2, Mililani Interchange at Meheula Pkwy	Bike lane striping (“Priority One” project listed in the <i>Honolulu Bicycle Master Plan</i>)	Safety & Operational	Central	No – Will need to be prioritized in the Bicycle Implementation Plan.	State
179	Interstate Routes H-1 & H-2, Operational Improvements, Waiawa Interchange	Modify the Interstate Routes H-1 and H-2 Walawa Interchange, to improve merging characteristics through operational improvements (e.g., additional transition lanes).	Congestion Relief	Central	No – Feasibility study determined solution would be costly. Working on other priorities.	State
193	Kalaniana'ole Highway, Safety & Operational Improvements, Olomana Golf Course to Waimanalo Beach Park	Construct safety and operational improvements along Kalaniana'ole Highway between the Olomana Golf Course and Waimanalo Beach Park. Specific safety and operational improvements include construction of turning lanes, sidewalks, wheelchair ramps, bike paths or bike lanes; traffic signal upgrades; utility relocation; and drainage improvements	Safety & Operational	Koolaupoko	Yes – S43, S44, S45, and S46	State
S30	Kamehameha Highway, Kaipapau Stream Bridge Rehabilitation	Replacement of Kaipapau Stream Bridge. This project is deemed necessary to qualify for Federal-Aid financing and/or reimbursement.	Operation & Maintenance	Koolauloa	Yes – S50	State
S32	Kamehameha Highway, Kawela Stream Bridge Replacement	Replacement of Kawela Stream Bridge. This project is deemed necessary to qualify for Federal-Aid financing and/or reimbursement.	Operation & Maintenance	Koolauloa	Yes – S61	State

OahuMPO CITIZEN ADVISORY COMMITTEE RECOMMENDATIONS					AGENCY RESPONSES	
PROJ. #	Facility/Project Title	Project Description	Project Type	District	Included in Draft FYs 2008-2011 TIP?	Implementing Agency
S44	Kamehameha Highway, Rehabilitation of Makaua Stream Bridge	Kamehameha Highway (Route 83) Makaua Stream Bridge Rehabilitation. MP 27.70. Rehabilitate existing 44-foot long bridge by widening and strengthening to meet current State standards.	Operation & Maintenance	Koolauloa	Yes – S53	State
S45	Kamehameha Highway, Rehabilitation of Waikane Stream Bridge	Kamehameha Highway (Route 83) Waikane Stream Bridge Rehabilitation. MP 33.54. Rehabilitate existing 44-foot long bridge by widening and strengthening to meet current State standards.	Operation & Maintenance	Koolaupoko	Yes – S54	State
S72	Kamehameha Highway, Rockfall Protection at Waimea Bay MP 5.4 to 5.52	Rockfall mitigation measures along Kamehameha Highway at Waimea Bay.	Safety	Koolauloa	Yes – S73	State
254	Kamehameha Highway, Widening, Kahuhipa Street to Pali Highway	Widen Kamehameha Highway, by 1 lane in each direction, from Kahuhipa Street to Pali Highway as follows: <ul style="list-style-type: none"> ● To 8 lanes, Kahuhipa Street to Likelike Highway/Kaneohe Bay Drive ● To 7 lanes (3 southbound lanes and 4 northbound lanes) between Likelike Highway and Pali Highway. 	Congestion Relief	Koolaupoko	No – Working on other priorities.	State
219	Kamehameha Highway, Widening, Lanikuhana Avenue to Ka Uka Boulevard	Widen Kamehameha Highway from a 3-lane to a 4-lane divided facility between Lanikuhana Avenue and Ka Uka Boulevard. This project includes shoulders for bicycles and disabled vehicles, bridge crossing replacement, bikeways, etc.	Congestion Relief	Central	Yes – S80	State
C7	Kapolei Parkway	Design and construct Kapolei Parkway in two phases between Renton Road and the City/State property line at the western boundary of Ewa Villages (0.7 miles).	Congestion Relief	Ewa	No – The project was programmed in the FYs 2006-2008 TIP and is currently underway.	City
B2	Kipapa Gulch Bikeway	Bike lane (“Priority One” project listed in the <i>Honolulu Bicycle Master Plan</i>)	Congestion Relief	Central	No – A lead agency has not been determined.	Undetermined
S52	Leeward Bikeway, Phase I, Waipio Point Access Road	Construct a 10-foot wide shared use facility within the former Oahu Railway and Land Company 40-foot right-of-way.	Islandwide	Ewa	Yes – S81	State

OahuMPO CITIZEN ADVISORY COMMITTEE RECOMMENDATIONS					AGENCY RESPONSES	
PROJ. #	Facility/Project Title	Project Description	Project Type	District	Included in Draft FYs 2008-2011 TIP?	Implementing Agency
39,282	Makakilo Drive, Second Access, Makakilo Drive to North-South Road/Interstate Route H-1 Interchange	Extend Makakilo Drive (vicinity Pueonani Street) south to the Interstate Route H-1 Freeway Interchange as 4-lane roadway, connecting Makakilo Drive to North-South Road	Second Access	Ewa	Yes – C06	City
B3	Meheula Parkway – Restripe for bike lane	Bike lane (“Priority One” project listed in <i>the Honolulu Bicycle Master Plan</i>)	Safety & Operational	Central	No – Not considered a regionally significant project and will be locally funded.	City
S57	Nimitz Highway, Intersection Improvements at Valkenburg Street	Construct safety and operational improvements	Safety	Honolulu	Yes – S89	State
B4	Nimitz Highway, Middle Street to Waiakamilo	Connect the bike lane on Nimitz Highway between Middle Street and Waiakamilo Road Bike lane (“Priority One” project listed in <i>the Honolulu Bicycle Master Plan</i>)	Safety & Operational/Connectivity	Honolulu	No – May be considered as a part of a larger project. Alternative routes are being considered.	State
307	North-South Road, Widening & Extension, Interstate Route H-1 to Franklin D. Roosevelt Avenue	Widen and extend North-South Road as follows: From 3 to 6 lanes from Kapolei Parkway to Interstate Route H-1. Extend from Kapolei Parkway to Franklin D. Roosevelt Avenue (6 lanes).	Congestion Relief	Ewa	Yes – S90 (Kapolei Parkway to Interstate H-1)	State
B5	Old Pali Road Bike Lane	Listed as Priority 2-mid-term project in <i>BikePlan Hawaii</i>	Congestion Relief	Honolulu	No.	State (DLNR)
B6	Pali Highway, Nuuanu Avenue to Waokanaka Street	Listed as Priority 2-mid-term project in <i>BikePlan Hawaii</i>	Congestion Relief	Honolulu	No – Will need to be prioritized in the Bicycle Implementation Plan.	State
C10	Seismic Bridge Retrofit	Conduct site inspections, conduct seismic evaluations, identify alternative schemes for seismic retrofit, prepare plans and specifications for construction incorporating the retrofit.	Operation & Maintenance	Islandwide	Yes – e.g., C08	City and State
603	System Preservation	Preserve the highway system through projects including, but not limited to, bridge replacement and seismic retrofit, pavement preventative maintenance, etc.	Operation & Maintenance	Islandwide	Yes – e.g., S04	City and State
454	TheBus Service, Expansion, Ewa, Kapolei, & Central Oahu	Expand the bus service to and within the Ewa, Kapolei, and Central Oahu developing areas.	Transit	Ewa Central	No – Operating funds are not eligible in the TIP.	City

OahuMPO CITIZEN ADVISORY COMMITTEE RECOMMENDATIONS					AGENCY RESPONSES	
PROJ. #	Facility/Project Title	Project Description	Project Type	District	Included in Draft FYs 2008-2011 TIP?	Implementing Agency
453	TheBus Service, Expansion, Islandwide	Expand the bus service through increase of capacity of the existing system to accommodate population growth.	Transit	Islandwide	No – Operating funds are not eligible in the TIP.	City
444A	TheBus Service, Expansion, North Shore, Waianae, & Windward Oahu	Expand the bus service through increase of Express bus service to the North Shore, Waianae, and Windward Oahu.	Transit	North Shore Koolauloa Koolaupoko	No – Operating funds are not eligible in the TIP.	City
508	Transit Centers, Various Locations	Construct transit centers at various locations islandwide to support the Rail Transit and TheBus systems.	Transit	Islandwide	Yes – C24	City
C22	Transit Related Safety and Security Projects	Capital projects at various locations to improve security/safety at bus stops, park-and-ride lots, and bus facilities.	Transit	Islandwide	Yes – C22	City
20	Transportation Demand Management (TDM) Program	Develop an aggressive TDM program that could include, but is not limited to: 1) Free real-time online carpool matching, 2) Outreach promotion and marketing of alternative transportation, 3) Emergency ride home program, 4) Major special events, 5) Employer-based commuter programs, 6) Emerging and innovative strategies (e.g., car sharing).	Islandwide Projects	Islandwide	Yes – S94 Vanpool Program	City and State
PROJECT MODIFICATIONS – CAC recommended that these projects be modified and included in the TIP.						
21, 22	Van Pool Program	Modify to include access for the elderly and disabled.			Yes – S94 Vanpool does have special accommodations for the disabled that could apply to the elderly as well.	State
S50 & S42	<ul style="list-style-type: none"> • Kamehameha Highway, Shoreline Protection, Vicinity of Kawaioloa Beach • Kamehameha Highway, Rehabilitation of Kawaioloa Stream Bridge 	Combine the two projects into a project that would realign Kamehameha Highway mauka at Laniakea Beach.			Yes – S51 and S76. They can be combined into one contract.	State

OahuMPO CITIZEN ADVISORY COMMITTEE RECOMMENDATIONS					AGENCY RESPONSES	
PROJ. #	Facility/Project Title	Project Description	Project Type	District	Included in Draft FYs 2008-2011 TIP?	Implementing Agency
CATEGORY #2 – CAC recommended that these projects be included in the TIP for the planning phases only.						
	Kunia Road, Widening and Interchange Improvement, Wilikina Drive to Farrington Highway				No – Efforts to proceed with these improvements will be required by developers.	State
	Waianae Mauka Road, Second Access, Waianae to Kapolei Parkway				No – A feasibility study determined a second access for Waianae will be environmentally challenging and very costly.	State
	Waianae Second Access Road, Farrington Highway to Kunia Road				No – A feasibility study determined a second access for Waianae will be environmentally challenging and very costly.	State
ADDENDUM						
	C1 / C14 TIP 501 ORTP	Supports the Alapai Transit Center and Joint Transportation Management Center			Yes – C01 and C15	City
	134,143 ORTP	Supports the Interstate Route H-1 Zipper Lane (p.m.), Keehi Interchange to Kunia Interchange			Yes – S29	State
	S21 TIP	Supports the Interstate Route H-1 Waiawa Interchange westbound, Waipahu Off-Ramp Improvements			Yes – S35	State
	135, 174 ORTP	Supports the Interstate Route H-1, Widening, Waipahu Off-Ramp			Yes – S35	State
	179 ORTP	Supports the Interstate Route H-1 and H-2, Operational Improvements, Waiawa Interchange			No – A feasibility study determined solution would be costly. Working on other priorities.	State
	307 ORTP	Supports the North-South Road, Widening & Extension, Interstate Route H-1 to Franklin D. Roosevelt Avenue			Yes – S90 (Kapolei Parkway to Interstate H-1)	State
	454 ORTP	Supports TheBus Service, Expansion, Ewa, Kapolei, & Central Oahu			No – Operating funds are not eligible in the TIP.	City
	431B, 440 ORTP	Supports the High Capacity Transit Corridor, Kapolei to Manoa/Waikiki			Yes – C17	City
	508 ORTP	Supports the Transit Centers, Various Locations			Yes – e.g., C24	City

OahuMPO CITIZEN ADVISORY COMMITTEE RECOMMENDATIONS					AGENCY RESPONSES	
PROJ. #	Facility/Project Title	Project Description	Project Type	District	Included in Draft FYs 2008-2011 TIP?	Implementing Agency
	444A ORTP	Supports TheBus Service, Expansion, North Shore, Waianae, & Windward Oahu			No – Operating funds are not eligible in the TIP.	City
	20 ORTP	Supports the Transportation Demand Management (TDM) Program			No – Operating funds are not eligible in the TIP.	City and State
	18 ORTP	Supports the Kipapa Gulch Bikeway			No – A lead agency has not been determined.	Undetermined
	S64 TIP 219 ORTP	Supports the Kamehameha Highway, Widening, Lanikuhana Avenue to Ka Uka Boulevard			Yes – S80	State
	18 ORTP	Supports the <i>Bike Plan Hawaii – Oahu</i> (<i>Bike Plan Hawaii</i> includes only Priority One projects listed in the <i>Honolulu Bicycle Master Plan</i>)			No – HDOT is awaiting development of a Bicycle Implementation Plan to determine priorities for implementation. The City's bike projects are not considered regionally significant and will be locally funded.	City and State
	62, 64, 65, 67 ORTP	Supports the Farrington Highway, Widening			No – There are no presently active plans to widen Farrington Highway.	State
	C8 TIP	<i>Suggested amendment:</i> Add City and County's portion of the Kapunahala Stream Control Project sooner to compliment the Hawaii DOT's portion of the project which is already funded by federal dollars.			Yes – C05. Not sooner than FY 2009.	City
	New Project	Provide similar quantity parking in a multi-deck parking garage in the same location that was proposed under the Bus Rapid Transit Project on the site that is makai of the City's bus parking and maintenance yard. It is located northeast of the corner of Middle Street and Dillingham Boulevard along Kalihi Stream. This would serve residents from the primary urban center and residents from the windward side of Oahu that will be utilizing the high-speed rapid transit going east or west.			No – But the project is underway and is locally funded.	City

OahuMPO CITIZEN ADVISORY COMMITTEE RECOMMENDATIONS					AGENCY RESPONSES	
PROJ. #	Facility/Project Title	Project Description	Project Type	District	Included in Draft FYs 2008-2011 TIP?	Implementing Agency
	C8 TIP	<i>Suggested amendment:</i> Supports moving the Kapunahala Stream Bypass Channel into the FYs 2008-2011 TIP.			Yes – C05	City
	431B 440 ORTP	<i>Suggested deletion:</i> Opposes the High Capacity Transit System Waikiki Spur.			City Council approved LPA to include Waikiki.	City

APPENDIX D: OAHUMPO FREIGHT TASK FORCE RECOMMENDATIONS

MEETING SUMMARY

Oahu Metropolitan Planning Organization Freight Task Force

Thursday, July 6, 2006, 10:00 a.m.

**Hawaii Transportation Association Conference Room
2850 Paa Street, Suite 204
Honolulu, Hawaii**

Members: Garreth Sakakida (Hawaii Transportation Association)
Lance Terayama (Island Movers)
Dexter Okada (U. Okada & Company)
Maile Levins (B & C Trucking)

OMPO Staff: Gordon Lum
Laureen Brennan
Marian Yasuda

Background: OMPO will be initiating the development of the Transportation Improvement Program (TIP) for FYs 2008-2011. The TIP lists high priority projects that will be pursued by the Hawaii Department of Transportation (HDOT) and the Honolulu Department of Transportation Services (DTS). Only those transportation projects identified in the TIP are eligible for federal funding. Two potential project sources for the FYs 2008-2011 TIP include the prior TIP (FYs 2006-2008) and projects listed in the 2006-2015 component of the Oahu Regional Transportation Plan.

Federal regulations cite the need for input from freight movers.

Objective: To provide early input from freight movers for HDOT and DTS to consider when identifying their projects for inclusion into the FYs 2008-2011 TIP.

Results:

- There is much variation in the number and size of vehicles used by freight companies and there is no one or two freight travel corridors that are used exclusively by the “freight industry”. Instead, almost all roadways are used by the freight industry and any improvement to the roadway system will generally be helpful.
- Some major roadways which are important to freight movers include H-1, H-2, Nimitz Highway, and Farrington Highway.
- The following projects were rated by all members of the Freight Task Force as very important:

FREIGHT TASK FORCE TIP RECOMMENDATIONS		
TIP	C2	Bridge inspection and appraisal
ORTP	601	City operations and maintenance (O&M)
TIP	C28	Computerized traffic control system, Phase 12
ORTP	62 67	Farrington Highway, widening Fort Barrette Road to west of Fort Weaver Road
TIP	S8	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway
TIP	S9	Freeway Service Patrol at Various Locations
TIP	C5	Honolulu Traffic Control Center operations
ORTP	108 162	Interstate Route H-1 operational improvements, Lunalilo Street to Vineyard Boulevard
TIP	S21	Interstate Route H-1 Waiawa Interchange Westbound Waipahu Off-Ramp Improvements
TIP	S20	Interstate Route H-1 Waiawa Interchange Westbound, additional westbound lane
TIP	S18	Interstate Route H-1 widening eastbound Waiawa Interchange to Halawa Interchange
ORTP	147	Interstate Route H-1 widening Waipio Interchange
ORTP	175	Interstate Route H-1 operational improvements, Ward Avenue On-Ramp to University Ave. Interchange
ORTP	505	Interstate Route H-1 widening Waiawa Interchange to Waiawa
ORTP	129 173	Interstate Route H-1 widening Waiawa Interchange
ORTP	135 174	Interstate Route H-1 widening Waipahu Off-Ramp
ORTP	105 114 153	Interstate Route H-1 widening Middle Street to Vineyard Boulevard
ORTP	179	Interstate Routes H-1 & H-2, operational improvements, Waiawa Interchange
TIP	S28	Kalanianaʻole Highway improvements, Olomana Golf Course to Waimanalo Beach Park
TIP	S71	Kalanianaʻole Highway shoreline protection, vicinity of Makapuu Pier, MP 7.18-7.38 & MP 7.61-7.67
TIP	S49	Kamehameha Highway shoreline protection
ORTP	248	Kamehameha Highway, safety & operational improvements, Kaalaea Stream to Hygienic Store
ORTP	333	Rockfall Protection, various locations
ORTP	602	State operations and maintenance
ORTP	603	System preservation
TIP	C31	Traffic signal optimization, Phase 5
ORTP	2122	Nimitz Highway Flyover

APPENDIX E: RESPONSES TO FREIGHT TASK FORCE RECOMMENDATIONS

OahuMPO FREIGHT TASK FORCE RECOMMENDATIONS			AGENCY RESPONSES	
Document	Project #	Facility/Project Title	Included in Draft FYs 2008-2011 TIP?	Implementing Agency
TIP	C2	Bridge inspection and appraisal	Yes – C02	State
ORTP	601	City operations and maintenance (O&M)	Yes – e.g., C20	City
TIP	C28	Computerized traffic control system, Phase 12	Yes – C03	City
ORTP	62 67	Farrington Highway, widening Fort Barrette Road to west of Fort Weaver Road	The State is responsible from Fort Barrette Road to Golf Course Road; and the City is responsible from Golf Course Road to Fort Weaver Road. The City's efforts to constrain the TIP along with its overall City priorities of projects and available funding necessitated the deferral of this project's inclusion in the proposed TIP.	City and State
TIP	S8	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway	Yes – S10, S11, S12, S13, and S14	State
TIP	S9	Freeway Service Patrol at Various Locations	Yes – S15	State
TIP	C5	Honolulu Traffic Control Center operations	No – Operating funds are not eligible in the TIP.	City
ORTP	108 162	Interstate Route H-1 operational improvements, Lunalilo Street to Vineyard Boulevard	Yes – S22	State
TIP	S21	Interstate Route H-1 Waiawa Interchange Westbound Waipahu Off-Ramp Improvements	Yes – S35	State
TIP	S20	Interstate Route H-1 Waiawa Interchange Westbound, additional westbound lane	Yes – S28	State
TIP	S18	Interstate Route H-1 widening eastbound Waiawa Interchange to Halawa Interchange	Yes – S34	State
ORTP	147	Interstate Route H-1 widening Waipio Interchange	No – This project is on Interstate Route H-2. The State is looking into requiring developers to build these improvements.	State
ORTP	175	Interstate Route H-1 operational improvements, Ward Avenue On-Ramp to University Ave. Interchange	Yes – S36	State
ORTP	505	Interstate Route H-1 widening Waiawa Interchange to Waiawa	No – Environmentally challenging and cost prohibitive. Innovative funding source needed if present funding levels do not significantly increase.	State
ORTP	129 173	Interstate Route H-1 widening Waiawa Interchange	Yes – S28	State

OahuMPO FREIGHT TASK FORCE RECOMMENDATIONS			AGENCY RESPONSES	
Document	Project #	Facility/Project Title	Included in Draft FYs 2008-2011 TIP?	Implementing Agency
ORTP	135 174	Interstate Route H-1 widening Waipahu Off-Ramp	Yes – S35	State
ORTP	105 114 153	Interstate Route H-1 widening Middle Street to Vineyard Boulevard	No – Design evaluation revealed safety concerns over original scope to re-stripe. Planning project needed, but not presently programmed. Working on other priorities.	State
ORTP	179	Interstate Routes H-1 & H-2, operational improvements, Waiawa Interchange	No – Feasibility study determined solution would be costly. Working on other priorities.	State
TIP	S28	Kalaniana'ole Highway improvements, Olomana Golf Course to Waimanalo Beach Park	Yes – S44	State
TIP	S71	Kalaniana'ole Highway shoreline protection, vicinity of Makapuu Pier, MP 7.18-7.38 & MP 7.61-7.67	No – Erosion repairs completed using non-federal aid funding. Future drainage improvements are still needed, but may also be completed using non-federal aid funds.	State
TIP	S49	Kamehameha Highway shoreline protection	Yes – S74, S75, S76, and S77	State
ORTP	248	Kamehameha Highway, safety & operational improvements, Kaalaea Stream to Hygienic Store	Yes – S78	State
ORTP	333	Rockfall Protection, various locations	Yes – e.g., S71	State
ORTP	602	State operations and maintenance	Yes – e.g., S16	State
ORTP	603	System preservation	Yes – e.g., S04	City and State
TIP	C31	Traffic signal optimization, Phase 5	Yes – C12	City
ORTP	2122	Nimitz Highway Flyover	No – Planning ongoing. EIS to be completed, but highly cost prohibitive. Innovative funding source needed to proceed with the project if present federal funding levels do not significantly increase.	State

APPENDIX F: CITY COUNCIL RESOLUTION NO. 06-362, FD1

Adopted on December 13, 2006



CITY COUNCIL
CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAII

No. 06-362, FD1

RESOLUTION

APPROVING THE CITY AND COUNTY OF HONOLULU'S LIST OF CANDIDATE PROJECTS FOR CONSIDERATION IN THE FISCAL YEARS 2008-2011 TRANSPORTATION IMPROVEMENT PROGRAM.

WHEREAS, Part 450 of Title 23, Code of Federal Regulations (CFR), and Part 613 of Title 49 CFR, set forth regulations governing the development of a transportation improvement program (TIP) by a metropolitan planning organization (MPO), and regulations governing eligibility for federal highway and transit funds; and

WHEREAS, Section 4-2.2 of the Revised Ordinances of Honolulu 1990, as amended, requires that all projects for which assistance is desired under any federal act, program or regulations involving or affecting the Oahu Metropolitan Planning Organization (OMPO) shall be initiated by submission of the proposed project to the City Council for its prior approval; and

WHEREAS, Section 4-2.2 of the Revised Ordinances of Honolulu 1990, as amended, authorizes the director of transportation services to forward the proposed projects approved by the City Council to OMPO for appropriate review and action; and

WHEREAS, by its adoption of Resolution No. 05-140, CD1, on May 11, 2005, the Council of the City and County of Honolulu approved the City's input to the Fiscal Years (FYs) 2006-2008 TIP to the OMPO; and

WHEREAS, the new federal regulations will require that the TIP be updated at least every three years and be approved by the OMPO and the Governor; and

WHEREAS, the Department of Transportation Services, in cooperation with other executive agencies, has developed a list of candidate projects for consideration in the FYs 2008-2011 TIP, attached hereto as Exhibit 1A; now, therefore,

BE IT RESOLVED by the Council of the City and County of Honolulu that the list of candidate projects identified in Exhibit 1A to this resolution is hereby approved as the City's projects for consideration in the FYs 2008-2011 TIP; and

BE IT FURTHER RESOLVED that the Director of Transportation Services may make minor or editing changes, provided that no substantive additions or deletions are made; and



CITY COUNCIL
CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAII

No. 06-362, FD1

RESOLUTION

BE IT FINALLY RESOLVED that the Clerk is directed to transmit certified copies of this resolution to the Director, Department of Transportation Services; the Director, Department of Design and Construction; and Mr. Gordon G. W. Lum, Executive Director, Oahu Metropolitan Planning Organization, Ocean View Center, Suite 200, 707 Richards Street, Honolulu, Hawaii 96813.

INTRODUCED BY:

Donovan Dela Cruz (BR)

DATE OF INTRODUCTION:

November 22, 2006
Honolulu, Hawaii

Councilmembers

**CITY AND COUNTY OF HONOLULU
PROJECTS FOR CONSIDERATION IN THE FYS 2008-2011 TRANSPORTATION IMPROVEMENT PROGRAM**

PROJECT	Work Phase	INFORMATIVE YEARS																FEDERAL FUNDING CATEGORY
		FY 2008			FY 2009			FY 2010			FY 2011			FY 2012		FY 2013		
		Total (\$000)	Federal (\$000)	Local (\$000)	Total (\$000)	Federal (\$000)	Local (\$000)	Total (\$000)	Federal (\$000)	Local (\$000)	Total (\$000)	Federal (\$000)	Local (\$000)	Total (\$000)	Federal (\$000)	Total (\$000)	Federal (\$000)	
Alapai Transportation Management Center A joint communications center to be built behind the Alapai Transit Center. The communications center will host City, State & emergency response agencies.	INSP	\$ 9,540	\$ 3,898	\$ 5,844														
	DES	\$ 3,000	\$ 2,400	\$ 600	\$ 6,000	\$ 4,800	\$ 1,200	\$ 1,500	\$ 1,200	\$ 300								
	CON				\$ 15,000	\$ 12,000	\$ 3,000	\$ 20,000	\$ 16,000	\$ 4,000	\$ 10,710	\$ 8,980	\$ 1,750					
	EQUIP OPER	\$ 1,000	\$ 800	\$ 200				\$ 4,500	\$ 3,600	\$ 900	\$ 500	\$ 400	\$ 100	\$ 1,000	\$ 800	\$ 200	\$ 1,300	\$ 1,000
TOTAL		\$ 13,540	\$ 6,898	\$ 6,644	\$ 21,000	\$ 16,800	\$ 4,200	\$ 26,000	\$ 20,800	\$ 5,200	\$ 12,210	\$ 10,180	\$ 2,050	\$ 1,300	\$ 1,000	\$ 1,300	\$ 1,000	
Bridge Inspection and Appraisal Inventory, inspect, and appraise City bridges, including underwater inspection, scour analyses, surveys and preparation of plans for bridge repairs.	DES	\$ 350	\$ 280	\$ 70	\$ 420	\$ 280	\$ 130	\$ 450	\$ 360	\$ 90	\$ 450	\$ 360	\$ 90	\$ 450	\$ 360	\$ 450	\$ 360	
	TOTAL		\$ 350	\$ 280	\$ 70	\$ 420	\$ 280	\$ 130	\$ 450	\$ 360	\$ 90	\$ 450	\$ 360	\$ 90	\$ 450	\$ 360	\$ 450	\$ 360
Computerized Traffic Control System Upgrade and expand fiber optic lines, CCTV cameras, data collection, and signal control in urban and rural areas for connection to the Traffic Control Center.	EQUIP	\$ 1	\$ -	\$ 1	\$ 1	\$ -	\$ 1	\$ 1	\$ -	\$ 1	\$ 1	\$ -	\$ 1	\$ -	\$ 1	\$ -	\$ 1	\$ -
	DES	\$ 340	\$ 240	\$ 100	\$ 300	\$ 240	\$ 60	\$ 300	\$ 240	\$ 60	\$ 300	\$ 240	\$ 60	\$ 375	\$ 300	\$ 375	\$ 300	
	CON	\$ 3,100	\$ 2,400	\$ 700	\$ 3,150	\$ 2,400	\$ 750	\$ 3,150	\$ 2,400	\$ 750	\$ 3,150	\$ 2,400	\$ 750	\$ 3,150	\$ 2,400	\$ 3,150	\$ 2,400	
	INSP	\$ 20	\$ -	\$ 30	\$ 30	\$ -	\$ 30	\$ 30	\$ -	\$ 30	\$ 30	\$ -	\$ 30	\$ 30	\$ -	\$ 30	\$ 30	\$ -
TOTAL		\$ 3,471	\$ 2,640	\$ 831	\$ 3,481	\$ 2,640	\$ 841	\$ 3,481	\$ 2,640	\$ 841	\$ 3,481	\$ 2,640	\$ 841	\$ 3,555	\$ 2,700	\$ 3,555	\$ 2,700	
Kapiolani Blvd. Reconstruction, Phase 1 and 2 Reconstruct Kapiolani Blvd., Phase 1 (South St. to Pensacola St.) using FY 09 funding. Reconstruct Kapiolani Blvd., Phase 2 (Pensacola St. to Kalaniana'one Ave. and Alkinson Dr.) using FY 11 funding.	CON				\$ 22,000	\$ 17,800	\$ 4,400				\$ 30,000	\$ 24,000	\$ 6,000					
	TOTAL		\$ -	\$ -	\$ -	\$ 22,000	\$ 17,800	\$ 4,400	\$ -	\$ -	\$ -	\$ 30,000	\$ 24,000	\$ 6,000	\$ -	\$ -	\$ -	\$ -
Kapunahala Stream Flood Control Provide relief drain system to supplement an existing inadequate drain system along Kapunahala Stream, between Fookala and Keneke Sts.	DES	\$ 25		\$ 25														
	PLN CON	\$ 75		\$ 75	\$ 10,000	\$ 8,000	\$ 2,000											
TOTAL		\$ 100	\$ -	\$ 100	\$ 10,000	\$ 8,000	\$ 2,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Makakilo Drive Extension Plan, design and construct the extension of Makakilo Drive from the Palehua Subdivision to the H-1 Freeway.	DES	\$ 3,000	\$ -	\$ 3,000				\$ 15,000	\$ 12,000	\$ 3,000	\$ 15,000	\$ 12,000	\$ 3,000					
	CON							\$ 2,250	\$ 1,800	\$ 450	\$ 2,250	\$ 1,800	\$ 450					
	INSP							\$ 17,250	\$ 13,800	\$ 3,450	\$ 17,250	\$ 13,800	\$ 3,450					
TOTAL		\$ 3,000	\$ -	\$ 3,000	\$ -	\$ -	\$ -	\$ 17,250	\$ 13,800	\$ 3,450	\$ 17,250	\$ 13,800	\$ 3,450	\$ -	\$ -	\$ -	\$ -	\$ -
Salt Lake Boulevard Widening Widen boulevard to a multi-lane high roadway within the existing 100' ROW between Maluna and Ala Liliu Sts.	ROW										\$ 1	\$ 1				\$ 1	\$ -	
	CON										\$ 30,000	\$ 24,000	\$ 6,000			\$ 30,000	\$ 24,000	
TOTAL		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,001	\$ 24,000	\$ 6,001	\$ -	\$ -	\$ 30,001	\$ 24,000	
Seismic Bridge Retrofits Conduct site inspections, seismic evaluations, and construct retrofit measures.	DES	\$ 450	\$ 360	\$ 90				\$ 1,500	\$ 1,200	\$ 300				\$ 600	\$ 480			
	CON							\$ 1,500	\$ 1,200	\$ 300								
TOTAL		\$ 450	\$ 360	\$ 90	\$ -	\$ -	\$ -	\$ 1,500	\$ 1,200	\$ 300	\$ -	\$ -	\$ -	\$ 600	\$ 480	\$ -	\$ -	\$ -
Tantalus Drive And Round Top Drive Provide a boundary study with a topographic survey within the City ROW of Tantalus Drive and Round Top Drive from Krauss St. to Makiki Helix Drive.	PLN	\$ 1,050	\$ 800	\$ 250	\$ 1,050	\$ 800	\$ 250	\$ 1,050	\$ 800	\$ 250	\$ 1,050	\$ 800	\$ 250	\$ 1,050	\$ 800	\$ 1,050	\$ 800	
	TOTAL		\$ 1,050	\$ 800	\$ 250	\$ 1,050	\$ 800	\$ 250	\$ 1,050	\$ 800	\$ 250	\$ 1,050	\$ 800	\$ 250	\$ 1,050	\$ 800	\$ 1,050	\$ 800

EXHIBIT 1A

**CITY AND COUNTY OF HONOLULU
PROJECTS FOR CONSIDERATION IN THE FYS 2008-2011 TRANSPORTATION IMPROVEMENT PROGRAM**

PROJECT	Work Phase	INFORMATIVE YEARS																FEDERAL FUNDING CATEGORY				
		FY 2008			FY 2009			FY 2010			FY 2011			FY 2012		FY 2013						
		Total (\$000)	Federal (\$000)	Local (\$000)	Total (\$000)	Federal (\$000)	Local (\$000)	Total (\$000)	Federal (\$000)	Local (\$000)	Total (\$000)	Federal (\$000)	Local (\$000)	Total (\$000)	Federal (\$000)	Total (\$000)	Federal (\$000)					
Traffic Improvements at Various Locations Provide for traffic congestion relief and improve traffic safety at the following locations: Harding at 5th and 11th Aves., Ala Wai Blvd. and McCully St.; McCully St.; Moanalua Rd. and Kaahumanu St.; Dillingham Blvd. and N. King St.; Liliha and Kukini Str.	PLN ROW DES CON INSP TOTAL	\$ 200 \$ 100 \$ 890 \$ 1,200 \$ 100 \$ 2,290	\$ - \$ - \$ 320 \$ 960 \$ - \$ 1,280	\$ 200 \$ 100 \$ 370 \$ 240 \$ 100 \$ 1,010	\$ 1,200 \$ 200 \$ 1,000 \$ 1,000 \$ 960 \$ 3,397	\$ - \$ 160 \$ 800 \$ 800 \$ 240 \$ 2,700	\$ 240 \$ 40 \$ 200 \$ 200 \$ 240 \$ 960	\$ 1,200 \$ 200 \$ 1,000 \$ 1,000 \$ 960 \$ 3,397	\$ - \$ 160 \$ 800 \$ 800 \$ 240 \$ 2,700	\$ 240 \$ 40 \$ 200 \$ 200 \$ 240 \$ 960	\$ 1,200 \$ 200 \$ 1,000 \$ 1,000 \$ 960 \$ 3,397	\$ - \$ 160 \$ 800 \$ 800 \$ 240 \$ 2,700	\$ 240 \$ 40 \$ 200 \$ 200 \$ 240 \$ 960	\$ 1,200 \$ 200 \$ 1,000 \$ 1,000 \$ 960 \$ 3,397	\$ - \$ 160 \$ 800 \$ 800 \$ 240 \$ 2,700	\$ 240 \$ 40 \$ 200 \$ 200 \$ 240 \$ 960	\$ 1,200 \$ 200 \$ 1,000 \$ 1,000 \$ 960 \$ 3,397	LOCAL LOCAL FHWA-STP FLEXIBLE FHWA-STP FLEXIBLE LOCAL				
Traffic Signals at Various Intersections Install and upgrade traffic signals island-wide including ADA improvements, signs and markings, and interties.	PLN DES CON INSP EQUIP TOTAL	\$ 1 \$ 300 \$ 2,700 \$ 30 \$ 1 \$ 3,032	\$ - \$ 200 \$ 2,000 \$ - \$ - \$ 2,200	\$ 1 \$ 100 \$ 700 \$ 30 \$ 1 \$ 832	\$ 1 \$ 250 \$ 3,125 \$ 20 \$ 1 \$ 3,397	\$ - \$ 200 \$ 2,500 \$ - \$ - \$ 2,700	\$ 1 \$ 50 \$ 625 \$ 20 \$ 1 \$ 697	\$ 1 \$ 250 \$ 3,125 \$ 20 \$ 1 \$ 3,397	\$ - \$ 200 \$ 2,500 \$ - \$ - \$ 2,700	\$ 1 \$ 50 \$ 625 \$ 20 \$ 1 \$ 697	\$ 1 \$ 250 \$ 3,125 \$ 20 \$ 1 \$ 3,397	\$ - \$ 200 \$ 2,500 \$ - \$ - \$ 2,700	\$ 1 \$ 50 \$ 625 \$ 20 \$ 1 \$ 697	\$ 1 \$ 250 \$ 3,125 \$ 20 \$ 1 \$ 3,397	\$ - \$ 200 \$ 2,500 \$ - \$ - \$ 2,700	\$ 1 \$ 50 \$ 625 \$ 20 \$ 1 \$ 697	\$ 1 \$ 250 \$ 3,125 \$ 20 \$ 1 \$ 3,397	LOCAL FHWA-STP FLEXIBLE FHWA-STP FLEXIBLE LOCAL LOCAL				
Traffic Signal Maintenance Facility Design, construct, and equip a new traffic signal operating and maintenance facility in Pearl City.	DES CON EQUIP TOTAL	\$ 10 \$ 3,750 \$ 100 \$ 3,860	\$ - \$ 3,000 \$ - \$ 3,000	\$ 10 \$ 750 \$ 100 \$ 860	\$ 1 \$ 1 \$ 20 \$ 21	\$ - \$ - \$ - \$ -	\$ 1 \$ 1 \$ 20 \$ 21	\$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ -	LOCAL FHWA-STP FLEXIBLE LOCAL			
Traffic Signal Optimization Analyze, develop, and implement new signal timing plans on various roadways to improve traffic flow.	DES TOTAL	\$ 1,500 \$ 1,500	\$ 1,000 \$ 1,000	\$ 500 \$ 500	\$ 1,250 \$ 1,250	\$ 1,000 \$ 1,000	\$ 250 \$ 250	\$ 1,250 \$ 1,250	\$ 1,000 \$ 1,000	\$ 250 \$ 250	\$ 1,250 \$ 1,250	\$ 1,000 \$ 1,000	\$ 250 \$ 250	\$ 563 \$ 563	\$ 450 \$ 450	\$ 375 \$ 375	\$ 300 \$ 300	\$ 563 \$ 563	\$ 450 \$ 450	\$ 375 \$ 375	\$ 300 \$ 300	FHWA-STP FLEXIBLE
Waigao Point Access Road Improvements Construct various improvements including drainage, parking, roadways, pedestrian/bike pathways.	CON INSP TOTAL	\$ 4,500 \$ 450 \$ 4,950	\$ 3,800 \$ 360 \$ 3,960	\$ 900 \$ 90 \$ 990	\$ - \$ - \$ -	\$ - \$ - \$ -	\$ - \$ - \$ -	\$ - \$ - \$ -	\$ - \$ - \$ -	\$ - \$ - \$ -	\$ - \$ - \$ -	\$ - \$ - \$ -	\$ - \$ - \$ -	\$ - \$ - \$ -	\$ - \$ - \$ -	\$ - \$ - \$ -	\$ - \$ - \$ -	\$ - \$ - \$ -	\$ - \$ - \$ -	\$ - \$ - \$ -	FHWA-STP FLEXIBLE	
SUBTOTAL - FHWA-FUNDED PROJECTS		\$ 27,593	\$ 22,416	\$ 15,177	\$ 63,819	\$ 50,730	\$ 13,029	\$ 65,578	\$ 44,260	\$ 11,318	\$ 100,289	\$ 80,420	\$ 19,869	\$ 12,115	\$ 9,450	\$ 41,328	\$ 32,820					
Alapai Transit & Joint Traffic Management Center Plan, design, construct, and inspect a transit center and joint management center at the existing Alapai Bus Terminal.	PLN DES CON EQUIP OPER TOTAL	\$ 1 \$ 500 \$ 5,000 \$ 1 \$ 1 \$ 5,503	\$ - \$ 250 \$ 2,500 \$ - \$ - \$ 2,750	\$ 1 \$ 250 \$ 2,500 \$ 1 \$ 1 \$ 2,753	\$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ -	LOCAL FTA \$5307/\$5340 FTA \$5307/\$5340 LOCAL LOCAL		
Bus and Handi-Van Acquisition Program Purchase replacement transit buses and handi-van vehicles. FY08 = 25 60' buses + 10 30' buses + 20 <30' buses FY09 = 25 60' buses + 20 <30' buses FY10 = 25 60' buses + 20 <30' buses FY11 = 25 60' buses + 20 <30' buses	EQUIP EQUIP EQUIP EQUIP TOTAL	\$ 25,250 \$ - \$ - \$ - \$ 25,250	\$ 12,625 \$ - \$ - \$ - \$ 12,625	\$ 12,625 \$ - \$ - \$ - \$ 12,625	\$ 3,000 \$ 13,870 \$ 4,389 \$ 21,250	\$ 2,400 \$ 11,096 \$ 3,504 \$ 17,000	\$ 600 \$ 2,774 \$ 876 \$ 4,250	\$ 8,110 \$ 10,220 \$ 2,920 \$ 21,250	\$ 5,488 \$ 8,176 \$ 2,336 \$ 17,000	\$ 1,822 \$ 2,044 \$ 584 \$ 4,250	\$ 10,300 \$ 9,490 \$ 1,460 \$ 21,250	\$ 8,240 \$ 7,592 \$ 1,168 \$ 17,000	\$ 2,060 \$ 1,898 \$ 292 \$ 4,250	\$ 34,000 \$ 34,000 \$ 34,000 \$ 34,000	\$ 27,200 \$ 27,200 \$ 27,200 \$ 27,200	\$ 34,000 \$ 34,000 \$ 34,000 \$ 34,000	\$ 27,200 \$ 27,200 \$ 27,200 \$ 27,200	\$ 34,000 \$ 34,000 \$ 34,000 \$ 34,000	\$ 27,200 \$ 27,200 \$ 27,200 \$ 27,200	FTA \$5307/\$5340 FTA \$5309 Bus Cap FTA \$5309 FGM FTA		
Honolulu High Capacity Transit Project Plan, design and construct approximately 20 miles of a grade separated fixed guideway system from West Oahu to Central Honolulu.	PLN DGN CON TOTAL	\$ 5,000 \$ 80,000 \$ - \$ 85,000	\$ 4,000 \$ 10,000 \$ - \$ 14,000	\$ 1,000 \$ 70,000 \$ - \$ 71,000	\$ 5,000 \$ 60,000 \$ 200,000 \$ 265,000	\$ 4,000 \$ 10,000 \$ - \$ 14,000	\$ 1,000 \$ 50,000 \$ 200,000 \$ 251,000	\$ 5,000 \$ 50,000 \$ 200,000 \$ 255,000	\$ 4,000 \$ - \$ 200,000 \$ 4,000	\$ 1,000 \$ 50,000 \$ 200,000 \$ 251,000	\$ 5,000 \$ 100,000 \$ 200,000 \$ 305,000	\$ 4,000 \$ 50,000 \$ 200,000 \$ 254,000	\$ 1,000 \$ 50,000 \$ 200,000 \$ 251,000	\$ 5,000 \$ 100,000 \$ 200,000 \$ 305,000	\$ 4,000 \$ 50,000 \$ 200,000 \$ 154,000	\$ 5,000 \$ 100,000 \$ 200,000 \$ 305,000	\$ 4,000 \$ 50,000 \$ 200,000 \$ 154,000	\$ 5,000 \$ 100,000 \$ 200,000 \$ 305,000	\$ 4,000 \$ 50,000 \$ 200,000 \$ 154,000	FTA \$5309 New Starts		

**CITY AND COUNTY OF HONOLULU
PROJECTS FOR CONSIDERATION IN THE FYS 2008-2011 TRANSPORTATION IMPROVEMENT PROGRAM**

PROJECT	Work Phase	INFORMATIVE YEARS															FEDERAL FUNDING CATEGORY		
		FY 2008			FY 2009			FY 2010			FY 2011			FY 2012		FY 2013			
		Total (\$000)	Federal (\$000)	Local (\$000)	Total (\$000)	Federal (\$000)	Local (\$000)	Total (\$000)	Federal (\$000)	Local (\$000)	Total (\$000)	Federal (\$000)	Local (\$000)	Total (\$000)	Federal (\$000)	Total (\$000)		Federal (\$000)	
Intra-Island Ferry Plan, design and construct facilities for a ferry operation which will serve as an extension of the bus service and provide another option for traveling to Honolulu.	DES CON INSP	\$ 1,000	\$ 800	\$ 200	\$ 3,000	\$ 2,000	\$ 1,000												FTA §5309 New Starts (Ferry Allocation) LOCAL
TOTAL		\$ 1,000	\$ 800	\$ 200	\$ 3,500	\$ 2,000	\$ 1,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Middle Street Intermodal Center Design, construct, inspect, and provide relocation funds for Phase II. Phase II is the completion of the Handi-Van parking lot, transit center platform and bus parking and parking garage.	DES CON CON INSP	\$ 2,600	\$ 1,300	\$ 1,300	\$ 14,900	\$ 7,450	\$ 7,450	\$ 35,000		\$ 35,000									FTA §5309 Bus Cap FTA §5309 Bus Cap LOCAL LOCAL
TOTAL		\$ 17,500	\$ 8,750	\$ 8,750	\$ 36,000	\$ -	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Preventive Maintenance Preventive maintenance of FTA-funded rolling stock (buses and handi-vans) to include parts, labor, and other related costs.	OPER	\$ 37,092	\$ 21,000	\$ 16,092	\$ 38,483	\$ 21,000	\$ 17,483	\$ 39,926	\$ 21,000	\$ 18,926	\$ 41,423	\$ 21,000	\$ 20,423	\$ 26,450	\$ 21,000	\$ 26,450	\$ 21,000	FTA §5307 FTA	
TOTAL		\$ 37,092	\$ 21,000	\$ 16,092	\$ 38,483	\$ 21,000	\$ 16,092	\$ 39,926	\$ 21,000	\$ 16,092	\$ 41,423	\$ 21,000	\$ 16,092	\$ 26,450	\$ 21,000	\$ 26,450	\$ 21,000		
Transfer to FHWA for Vanpool Transfer FTA funds to FHWA for HDO's Vanpool program	OPER	\$ 1,230	\$ 1,230	\$ -	\$ 1,265	\$ 1,265	\$ -	\$ 1,300	\$ 1,300	\$ -	\$ 1,337	\$ 1,337	\$ -	\$ 1,374	\$ 1,374	\$ 1,413	\$ 1,413	FTA §5307/§5340 FTA	
TOTAL		\$ 1,230	\$ 1,230	\$ -	\$ 1,265	\$ 1,265	\$ -	\$ 1,300	\$ 1,300	\$ -	\$ 1,337	\$ 1,337	\$ -	\$ 1,374	\$ 1,374	\$ 1,413	\$ 1,413		
Transit Security Projects Capital projects at various transit locations to improve safety and security.	PLN DES EQUIP EQUIP	\$ 1	\$ -	\$ 1	\$ 1	\$ -	\$ 1	\$ 1	\$ -	\$ 1	\$ 1	\$ -	\$ 1	\$ 1	\$ -	\$ 1	\$ -	LOCAL LOCAL FTA §5307/§5340 FTA	
TOTAL		\$ 452	\$ 360	\$ 92	\$ 452	\$ 360	\$ 92	\$ 452	\$ 360	\$ 92	\$ 452	\$ 360	\$ 92	\$ 452	\$ 360	\$ 452	\$ 360		
West Oahu Bus and Handi-Van Maintenance Facility Plan, design, and construct a maintenance facility for bus and handi-van operations in West Oahu.	PLN ROW DES CON EQUIP				\$ 250	\$ 200	\$ 50	\$ 1	\$ -	\$ 1								FTA §5307/§5340 LOCAL FTA §5307	
TOTAL		\$ -	\$ -	\$ -	\$ 1,251	\$ 1,000	\$ 251	\$ 21,003	\$ 9,476	\$ 11,527	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Windward Transit Plan, design, construct and inspect a transit center in Windward Oahu.	PLN ROW DES CON INSP				\$ 100	\$ -	\$ 100	\$ 1	\$ -	\$ 1	\$ 1	\$ -	\$ 1	\$ 2,310	\$ 1,848	\$ 462		LOCAL LOCAL FTA §5307/§5340 FTA §5307/§5340 LOCAL	
TOTAL		\$ -	\$ -	\$ -	\$ 101	\$ -	\$ 101	\$ 222	\$ 176	\$ 46	\$ 2,314	\$ 1,848	\$ 466	\$ -	\$ -	\$ -	\$ -		
SUBTOTAL- FTA-FUNDED PROJECTS		\$ 173,027	\$ 83,515	\$ 111,512	\$ 367,302	\$ 56,625	\$ 309,286	\$ 339,163	\$ 63,312	\$ 283,607	\$ 371,776	\$ 95,646	\$ 271,908	\$ 367,276	\$ 203,934	\$ 367,316	\$ 203,973		
GRAND TOTAL		\$ 210,620	\$ 83,931	\$ 126,689	\$ 431,121	\$ 107,415	\$ 322,315	\$ 394,731	\$ 97,572	\$ 294,325	\$ 472,065	\$ 175,965	\$ 291,769	\$ 379,391	\$ 213,384	\$ 408,643	\$ 236,793		

CITY COUNCIL
CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAII
CERTIFICATE

RESOLUTION 06-362, FD1

Introduced: 11/22/06 By: DONOVAN DELA CRUZ (BR)

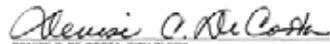
Committee: TRANSPORTATION &
PLANNING

Title: RESOLUTION APPROVING THE CITY AND COUNTY OF HONOLULU'S LIST OF CANDIDATE PROJECTS FOR CONSIDERATION IN THE FISCAL YEARS 2008-2011 TRANSPORTATION IMPROVEMENT PROGRAM.

Links: [RES06-362](#)
[RES06-362, FD1](#)
[D-0940](#)

TP	11/30/06	CR-506 - RESOLUTION REPORTED OUT OF COMMITTEE FOR ADOPTION								
COUNCIL	12/13/06	RESOLUTION AS AMENDED ON COUNCIL FLOOR (RES06-362, FD1) AND CR-506 ADOPTED.								
	APO	Y	CACHOLA	Y	DELA CRUZ	Y	DJOU	Y	GARCIA	Y
	KOBAYASHI	Y	MARSHALL	Y	OKINO	Y	TAM	Y		

I hereby certify that the above is a true record of action by the Council of the City and County of Honolulu on this RESOLUTION.


DENISE C. DE COSTA, CITY CLERK


DONOVAN M. DELA CRUZ, CHAIR AND PRESIDENT MEMBER

APPENDIX G: RESPONSES TO COMMENTS RECEIVED FROM THE PUBLIC

Project Number	Number of Comments Received	Project Title	Summary of Comment	Summary of Responses
C05	1	Kapunahala Stream Flood Control Project	Supports the acceleration of this project.	DTS indicated that the construction phase will not be ready to go sooner than FY 2009.
C06	2	Makakilo Drive Extension	Supports accelerating the construction phase of this project from FY 2010 to FY 2009.	DTS indicated that they are proceeding on this project in a systematic and careful manner in order to fully satisfy the necessary planning requirements. It is unlikely that the construction phase for the project will be ready to go by FY 2009.
Not Applicable	3	Salt Lake Boulevard Widening, Phase 2	Supports the addition of the Salt Lake Boulevard widening project. Requests that planning for this project proceed.	DTS determined that the Salt Lake Boulevard widening project should be suspended until the advanced engineering design is completed for the fixed-guideway project.
Not Applicable	1	New Project	Supports the addition of dedicated bus lanes along Fort Weaver Road.	HDOT currently has a project to widen Fort Weaver Road from Aawa Drive to Geiger Road from 4 to 6 lanes. The purpose of this widening is to address the need for added vehicular traffic, not to develop a dedicated bus lane. There are no present plans for dedicated bus lanes.
S21	1	Interstate Route H-1, Kapolei Interchange, Phase 2	Supports accelerating the construction phase of this project from FY 2012 to FY 2008.	HDOT indicated that these large capital improvement projects that address new capacity and represent a large financial impact must be balanced carefully in the TIP as HDOT tries to preserve what facilities they have and maintain safe roadways. Should this project be "ready-to-go" (design completed and approved by HDOT and FHWA) sooner, advancing this project in the TIP may be possible.

Project Number	Number of Comments Received	Project Title	Summary of Comment	Summary of Responses
S22	1	Interstate Route H-1, Lunalilo Street Off-Ramp and On-Ramp	Supports this project as a relief of traffic congestion on Piikoi and Pensacola Streets.	This project is in the TIP.
S67	1	Kamehameha Highway, Improvements, Waipahu Street to Ka Uka Boulevard	Supports the inclusion of the project.	Project is not included in the TIP due to financial constraint.
S80	1	Kamehameha Highway, Widening, Lanikuhana Avenue to Ka Uka Boulevard	Supports the advancement of project in the interest of safety.	HDOT indicated that, due to the environmental process, it is unlikely that the design phase can begin earlier than FY 2012.
C01-C24	1	All City & County Projects	Supports all City & County Projects in the TIP.	The projects are included in the TIP.

APPENDIX H: RESPONSES TO COMMENTS RECEIVED FROM THE INTERGOVERNMENTAL REVIEW AGENCIES

Agency	Projects Receiving Comment	Summary of Comment	Summary of Responses
Honolulu Police Department	S15: Freeway Service Patrol	Supports project.	Project S15 is included in the draft TIP.
	S10-S13: Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway: Phases 1-B, 1C, 2A, and 2B	Supports projects.	Projects S10-S13 are included in the draft TIP.
Budget and Fiscal Services	C01: Alapai Transportation Management Center	As the City faces financial constraints, projects recommended in the City's Capital Improvement Program must be developed within threshold guidelines.	DTS indicated that the City will continue to prioritize its projects so that the City's Capital Improvement Program is constrained to its ceiling.
	C04: Kapiolani Boulevard Reconstruction, Phases 1 & 2		
	C05: Kapunahala Stream Flood Control Project		
	C06: Makakilo Drive Extension		
Board of Water Supply	Projects in the vicinity of Board of Water Supply projects: S01, S05, S06, S16, S67, S72, S77, S78, S82, S93, S97, C04, and C10	Expressed concern about potential conflict with Board of Water Supply projects.	The Board of Water Supply's concerns were provided to DTS and HDOT for project coordination.
	Requests to be kept informed of project schedules for coordination purposes.		
United States Coast Guard	Projects over Streams: S05, S48, S49, S50, S53, S54, S60, S61, S62, S63, S66, C05, C08, and C18	Requests continued consultation and the opportunity to review these projects so that the Coast Guard can determine impacts, if any, on bridges over navigable water.	The U.S. Coast Guard's concerns were provided to DTS and HDOT for project coordination.
	S16: Guardrail and Shoulder Improvements, Various Locations	Requests that access to Coast Guard facilities be maintained during construction.	
	S41: Kalealoa Roadway, Improvements, Vicinity of Barber's Point Naval Air Station	Requests that access to Coast Guard facilities be maintained during construction.	
	C18: Intra-Island Ferry	Requests to be kept informed on the progress.	

Agency	Projects Receiving Comment	Summary of Comment	Summary of Responses
Honolulu Fire Department	Requests coordination on all projects prior to construction.	Requests notification of and traffic control plans for any structure in the roadway which would require: 1) interference with dry standpipes and/or fire hydrants, 2) road closures, 3) sidewalk closures, 4) closure of three or more traffic lanes, or 5) excavations on the City right-of-way.	The Honolulu Fire Department's concerns were provided to DTS and HDOT for project coordination.
	Traffic Signal Upgrades	Requests that traffic signal upgrades include replacement or addition of Opticom receivers.	
	C01: Alapai Transportation Management Center	Requests consultation regarding the design, location, and amenities of the dispatch area of the Alapai Transportation Management Center.	
Department of Health	Supports bicycle and pedestrian projects included in the TIP.	Requests that more bicycle and pedestrian projects be funded in every project where maintenance, operation, improvements, and new construction of roadways is being addressed. Also supports the coordinated efforts of the implementing State and City agencies to maximize funding opportunities that would increase all forms of non-motorized travel.	Bicycle, pedestrian, and transit projects are currently programmed in the TIP. The Department of Health's comments were provided to DTS and HDOT.
	Encourages inclusion of bicycle and pedestrian elements into every project.		
	Supports projects that increase all forms of non-motorized travel.		

APPENDIX I: INCORPORATION OF SAFETEA-LU PLANNING FACTORS

Planning Factor	FYs 2008-2011 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 also 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.
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, 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.
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 planning, design, and construction of the Alapai Joint 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). ● The Transit Security project will increase the safety and security of Honolulu's transit system.
4. Increases accessibility and mobility of people and freight.	<ul style="list-style-type: none"> ● A number of projects programmed in the TIP include bikeway and sidewalk improvements, 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 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.

Planning Factor	FYs 2008-2011 TIP
<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.
<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 Joint Traffic Management Center will improve the flow of traffic between City and State roadways through enhanced and coordinated communication. ● The Intra-Island Ferry will have connections to the bus system.
<p>7. Promotes efficient system management and operation.</p>	<ul style="list-style-type: none"> ● The TIP includes both highway and transit projects, which are designed to complement each other. ● Projects, such as the completion of the North South Road, 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.
<p>8. Emphasizes the preservation of the existing transportation system.</p>	<ul style="list-style-type: none"> ● Maintenance projects of the HDOT and DTS are programmed in the TIP. There is emphasis during the program period on maintenance projects such as road resurfacing and rehabilitation projects, guardrail and shoulder improvements, 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.

APPENDIX J: DETAILED PROJECT EVALUATION CRITERIA

INITIAL CRITERIA FOR ALL PROJECTS

Criteria that projects have to meet in order to be included in the TIP

Criteria	(Yes/No)
Oahu Regional Transportation Plan (ORTP) Consistency	<p>Is the project included in the ORTP or consistent with the ORTP goals and objectives?</p> <p><i>If the project is neither listed in the ORTP nor consistent with the ORTP goals and objectives, the project is not eligible for the TIP.</i></p>
Readiness to Go	<p>Ready to obligate by the end of the federal fiscal year?</p> <p><i>If the project will not be ready to obligate by the end of the federal fiscal year, the project is not eligible for the TIP.</i></p>
Availability of Local Match	<p>Is a local match available?</p> <p><i>If a local match is not committed or reasonably expected to be available at the time of obligation, the project is not eligible for the TIP.</i></p>
SAFETEA-LU Planning Factors	<p>Addresses at least one of the following bullets?</p> <ul style="list-style-type: none"> • Supports the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency. • Increases the safety of the transportation system for all motorized and non-motorized users. • Increases the ability of the transportation system to support homeland security and to safeguard the personal security of all motorized and non-motorized users. • Increases accessibility and mobility of people and freight. • 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. • Enhances the integration and connectivity of the transportation system, across and between modes, for people and freight. • Promotes efficient system management and operation. • Emphasizes the preservation of the existing transportation system.
Oahu Regional ITS Architecture Consistency	<p>Is the project consistent with the Oahu Regional ITS Architecture?</p>

SYSTEM PRESERVATION PROJECTS

Projects that upgrade and protect Oahu's infrastructure investment, such as:

- pavement resurfacing projects
- bridge projects
- drainage projects
- street light pole replacement projects
- traffic sign projects
- roadway upgrade projects (no additional capacity)
- ITS Projects

Criteria	High	Medium	Low	Yes/No
Bridge Replacement Program (<i>State projects</i>)	Project was identified through HDOT's Bridge Replacement Program process		Project did not result from HDOT's Bridge Replacement Program process	
Bridge Inspection and Appraisal (<i>City projects</i>)	Project was identified through the City's Bridge Inspection and Appraisal		Project did not result from the City's Bridge Inspection and Appraisal	
Pavement Management System (<i>State projects</i>)	Project was identified through HDOT's Pavement Management System process		Project did not result from HDOT's Pavement Management System process	
Roadway Pavement Condition Survey (<i>City projects</i>)	Project was identified through the City's Roadway Pavement Condition Survey		Project did not result from the City's Roadway Pavement Condition Survey	
Cost Participation	Private industry funding has been secured or project is 100% federally funded	Private industry funding is anticipated	Does not include other financial involvement (i.e., private industry)	
Project Stage	Phase of the project (planning or design) has already been completed	Phase of the project (planning or design) is almost complete	The project has not yet begun	
Gap Closure				Does the project close a gap or connect missing links in a route?
Mandated				Required by federal, state, or municipal laws, regulations, or codes?
Transit Friendly				Does the project include improvements to transit facilities, such as bus pads and bus bays?

SAFETY PROJECTS

Projects that mitigate high accident and hazardous sites, such as:

- guardrail and shoulder improvement projects
- rockfall and slope stabilization projects
- emergency telephone projects
- ITS Projects

Criteria	High	Medium	Low	Yes/No
Strategic Highway Safety Plan	Project was identified through HDOT's Strategic Highway Safety Plan		Project did not result from HDOT's Strategic Highway Safety Plan	
Highway Safety Improvement Program (<i>State and City projects</i>)	Project was identified through HDOT's Highway Safety Improvement Program process		Project did not result from HDOT's Highway Safety Improvement Program process	
Rockfall Protection Study at Various Locations on the Island of Oahu (<i>State projects</i>)	High potential for rockfall based on HDOT's Rockfall Protection Study	Medium potential for rockfall based on HDOT's Rockfall Protection Study	Low potential for rockfall based on HDOT's Rockfall Protection Study	
Cost Participation	Private industry funding has been secured or project is 100% federally funded	Private industry funding is anticipated	Does not include other financial involvement (i.e., private industry)	
Project Stage	Phase of the project (planning or design) has already been completed	Phase of the project (planning or design) is almost complete	The project has not yet begun	
Gap Closure				Does the project close a gap or connect missing links in a route?
Mandated				Required by federal, state, or municipal laws, regulations, or codes?
Transit Friendly				Does the project include improvements to transit facilities, such as bus pads and bus bays?

CONGESTION MITIGATION PROJECTS

Projects that increase the efficiency of the highway system, such as:

- traffic signal modernization projects
- operational improvement projects
- ITS projects

Criteria	High	Medium	Low	Yes/No
Congestion Management Process <i>(State and City projects)</i>	Project was evaluated as part of the OahuMPO's Congestion Management Process		Project was not evaluated as part of the OahuMPO's Congestion Management Process	
Highway Safety Improvement Program <i>(State and City projects)</i>	Project was identified through HDOT's Highway Safety Improvement Program process		Project did not result from HDOT's Highway Safety Improvement Program process	
Travel Time or Delay Analysis ¹	Travel time savings per day > 1000 hours <i>In the future – Delay analysis will be used for projects such as intersection improvements, turn lanes, and signal modernizations.</i>	Travel time savings per day <= 1000 hours <i>In the future – Delay analysis will be used for projects such as intersection improvements, turn lanes, and signal modernizations.</i>	<i>In the future – Delay analysis will be used for projects such as intersection improvements, turn lanes, and signal modernizations.</i>	
Project Location	Includes a congestion relief component in the leeward corridor of Oahu	Includes a congestion relief component in other areas of Oahu		
Cost Participation	Private industry funding has been secured or project is 100% federally funded	Private industry funding is anticipated	Does not include other financial involvement (i.e., private industry)	
Project Stage	Phase of the project (planning or design) has already been completed	Phase of the project (planning or design) is almost complete	The project has not yet begun	
Traffic Signal Warrants				Traffic signal project meets the criteria in the Traffic Signal Warrants

¹ Travel Time Savings is measured by Vehicle Hours of Travel (VHT) saved. Total systemwide VHT for a base case is computed. Applicable projects are added one at a time, and VHT is recomputed and compared with the base case to find the travel time savings that could be attributed to that particular project. A project is deleted from the base case before another is added.

CONGESTION MITIGATION PROJECTS, CONTINUED

Criteria	High	Medium	Low	Yes/No
Gap Closure				Does the project close a gap or connect missing links in a route?
Mandated				Required by federal, state, or municipal laws, regulations, or codes?
Transit Friendly				Does the project include improvements to transit facilities, such as bus pads and bus bays?

MODERNIZATION PROJECTS

Projects that add capacity to the highway system, such as:

- new highway projects
- widening projects (additional capacity)
- second access projects
- ITS Projects

Criteria	High	Medium	Low	Yes/No
Congestion Management Process	Project was evaluated as part of the OahuMPO's Congestion Management Process		Project was not evaluated as part of the OahuMPO's Congestion Management Process	
Highway Safety Improvement Program (<i>State and City projects</i>)	Project was identified through HDOT's Highway Safety Improvement Program process		Project did not result from HDOT's Highway Safety Improvement Program process	
Travel Time or Delay Analysis ²	Travel time savings per day > 1000 hours <i>In the future – Delay analysis will be used for projects such as intersection improvements, turn lanes, and signal modernizations.</i>	Travel time savings per day <= 1000 hours <i>In the future – Delay analysis will be used for projects such as intersection improvements, turn lanes, and signal modernizations.</i>	<i>In the future – Delay analysis will be used for projects such as intersection improvements, turn lanes, and signal modernizations.</i>	
Project Location	Includes a congestion relief component in the leeward corridor of Oahu	Includes a congestion relief component in other areas of Oahu		
Cost Participation	Private industry funding has been secured or project is 100% federally funded	Private industry funding is anticipated	Does not include other financial involvement (i.e., private industry)	
Project Stage	Phase of the project (planning or design) has already been completed	Phase of the project (planning or design) is almost complete	The project has not yet begun	
Gap Closure				Does the project close a gap or connect missing links in a route?
Mandated				Required by federal, state, or municipal laws, regulations, or codes?
Transit Friendly				Does the project include improvements to transit facilities, such as bus pads and bus bays?

² Travel Time Savings is measured by Vehicle Hours of Travel (VHT) saved. Total system-wide VHT for a base case is computed. Applicable projects are added one at a time, and VHT is recomputed and compared with the base case to find the travel time savings that could be attributed to that particular project. A project is deleted from the base case before another is added.

ENHANCEMENT PROJECTS

Transportation enhancement projects, such as:

- *bikeway projects*
- *landscaping projects*
- *pedestrian facilities projects*

Criteria	High	Medium	Low	Yes/No
OahuMPO Transportation Enhancement Program <i>(for projects funded with Surface Transportation Program (STP) Enhancement funds)</i>	Project was rated high as a result of the OahuMPO's Transportation Enhancement Program process	Project was rated medium as a result of the OahuMPO's Transportation Enhancement Program process	Project was rated low as a result of the OahuMPO's Transportation Enhancement Program process	
Non-enhancement funding <i>(for projects NOT funded with STP Enhancement funds)</i>	Project was rated high using criteria from the OahuMPO's Transportation Enhancement Program	Project was rated medium using criteria from the OahuMPO's Transportation Enhancement Program	Project was rated low using criteria from the OahuMPO's Transportation Enhancement Program	
Cost Participation	Private industry funding has been secured or project is 100% federally funded	Private industry funding is anticipated	Does not include other financial involvement (i.e., private industry)	
Project Stage	Phase of the project (planning or design) has already been completed	Phase of the project (planning or design) is almost complete	The project has not yet begun	
Gap Closure				Does the project close a gap or connect missing links in a route?
Mandated				Required by federal, state, or municipal laws, regulations, or codes?
Transit Friendly				Does the project include improvements to transit facilities, such as bus pads and bus bays?

HUMAN SERVICES TRANSPORTATION PROGRAMS

Human services programs, such as the following, that assist persons who have been traditionally underserved by the transportation system:

- *Job Access and Reverse Commute Program*
- *Elderly and Persons with Disabilities Vehicle Acquisition Program*
- *New Freedom Program*
- *Ways to Work Program*

Criteria	High	Medium	Low	Yes/No
Coordinated Public Transit-Human Services Transportation Plan	The program is included in the Coordinated Public Transit-Human Services Transportation Plan		The program is not included in the Coordinated Public Transit-Human Services Transportation Plan	
Cost Participation	Private industry funding has been secured or project is 100% federally funded	Private industry funding is anticipated	Does not include other financial involvement (i.e., private industry)	
Project Stage	Phase of the project (planning or design) has already been completed	Phase of the project (planning or design) is almost complete	The project has not yet begun	
Mandated				Required by federal, state, or municipal laws, regulations, or codes?

TRANSIT PROJECTS

Transit-related projects such as:

- *Preventive maintenance*
- *Bus replacements*
- *Intermodal centers*
- *Transit centers*
- *Bus radios*
- *New transit service*

Criteria³	Yes/No
Maintain and operate existing fixed route bus and complementary paratransit system	
Completes multi-phase project that has started	
Enhances system performance through implementation of hub-and-spoke system	
Enhances safety/security of passengers and the system and enhances service quality level	
New transit service	
Year 1 local match in budget	
Years 2 , 3 or 4 probable local match in budget	

³ Criteria are in ranked order.

APPENDIX K: DETAILED PROJECT EVALUATIONS

SYSTEM PRESERVATION PROJECTS		Bridge Replacement Program (State)	Bridge Inspection & Appraisal (City)	Pavement Management System (State)	Roadway Pavement Condition Survey (City)	Cost Participation	Project Stage	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses SAFETEA-LU Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORIP Consistency
C02	Bridge Inspection and Appraisal	N/A	H	N/A	N/A	L	H	N/A	Y	N	N/A	Y	Y	Y	Proj. 36
C04	Kapiolani Boulevard Reconstruction, Phases 1 and 2	N/A	N/A	N/A	H	L	L	N	N	Y	N/A	Y	Y	Y	Proj. 34
C05	Kapunahala Stream Flood Control Project	N/A	N/A	N/A	N/A	L	L	N	N	N	N/A	Y	Y	Y	Proj. 34
C08	Seismic Bridge Retrofit	N/A	M	N/A	N/A	L	M	N/A	Y	N	N/A	Y	Y	Y	Proj. 36
C14	Waipio Point Access Road Improvements	N/A	N/A	N/A	N/A	L	M	N	Y	N	N/A	Y	Y	Y	Proj. 34
S02	Castle Hills Access Road Drainage Improvements	N/A	N/A	N/A	N/A	H	M	N/A	N	N	N/A	Y	Y	Y	Proj. 35
S03	Farrington Highway, Bridge Rehabilitation, Kaupuni Stream Bridge	H	N/A	N/A	N/A	L	M	N/A	N	N	N/A	Y	Y	Y	Proj. 36
S04	Farrington Highway, Bridge Replacement, Maipalaoa Bridge	H	N/A	N/A	N/A	L	M	N/A	N	N	N/A	Y	Y	Y	Proj. 36
S05	Farrington Highway, Bridge Replacement, Makaha Bridges #3 and #3A	H	N/A	N/A	N/A	L	M	N/A	N	N	N/A	Y	Y	Y	Proj. 36
S19	Interstate Route H-1, Highway Lighting Improvements, Kaimakani Overpass to Gulick Avenue, Phase 1	N/A	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 35
S20	Interstate Route H-1, Highway Lighting Improvements, Kaimakani Overpass to Gulick Avenue, Phase 2	N/A	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 35

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

SYSTEM PRESERVATION PROJECTS		Bridge Replacement Program (State)	Bridge Inspection & Appraisal (City)	Pavement Management System (State)	Roadway Pavement Condition Survey (City)	Cost Participation	Project Stage	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses SAFETEA-LU Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency
S23	Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 1	N	N/A	N/A	N/A	L	L	N	N	N	N/A	Y	Y	Y	Proj. 36
S24	Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 2	N	N/A	N/A	N/A	L	L	N	N	N	N/A	Y	Y	Y	Proj. 36
S25	Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 3	N	N/A	N/A	N/A	L	L	N	N	N	N/A	Y	Y	Y	Proj. 36
S27	Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phases 4 & 5	N	N/A	N/A	N/A	L	L	N	N	N	N/A	Y	Y	Y	Proj. 36
S31	Interstate Route H-1, Seismic Retrofit, Farrington Highway Separation, Makakilo Separation, and Military Road Overpass	N	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S32	Interstate Route H-1, Seismic Retrofit, Pali Highway Overpass and Nuuanu Avenue Separation	N	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S37	Interstate Route H-3, H-3 Finish, Unit VIIC	N/A	N/A	N/A	N/A	H	M	N	N	N	N/A	Y	Y	Y	Proj. 35
S38	Interstate Route H-3, Seismic Retrofit, Mokapu Boulevard Interchange	N	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S39	Interstate Routes H-1 and H-2, Destination Sign Upgrade/Replacement	N/A	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 35
S40	Kahekili Highway Improvements in the Vicinity of Hui Iwa Street	N/A	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Obj. 7
S41	Kalaeloa Roadway, Improvements, Vicinity of Barber's Point Naval Air Station	N/A	N/A	N/A	N/A	L	L	N	N	N	N/A	Y	Y	Y	Obj. 6

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

SYSTEM PRESERVATION PROJECTS		Bridge Replacement Program (State)	Bridge Inspection & Appraisal (City)	Pavement Management System (State)	Roadway Pavement Condition Survey (City)	Cost Participation	Project Stage	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses SAFETEA-LU Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency
S49	Kalaniana'ole Highway, Inoaole Stream Bridge Replacement	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S50	Kamehameha Highway, Bridge Rehabilitation, Kaipapau Stream Bridge	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S51	Kamehameha Highway, Bridge Rehabilitation, Kawailoa Stream Bridge	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S52	Kamehameha Highway, Bridge Rehabilitation, Laie Stream Bridge	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S53	Kamehameha Highway, Bridge Rehabilitation, Makaua Stream Bridge	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S54	Kamehameha Highway, Bridge Rehabilitation, Waikane Stream Bridge	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S55	Kamehameha Highway, Bridge Rehabilitation, Waipilopilo Stream Bridge	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S56	Kamehameha Highway, Bridge Replacement, Cane Haul Road Structure, In-Bound, Vicinity of Waipahu	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S57	Kamehameha Highway, Bridge Replacement, Cane Haul Road Structure, Out-Bound, Vicinity of Waipahu	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S58	Kamehameha Highway, Bridge Replacement, Hoolapa Stream (Nanahu) Bridge	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S59	Kamehameha Highway, Bridge Replacement, Kalauao Springs Bridge, Eastbound	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S60	Kamehameha Highway, Bridge Replacement, Kaluanui Stream Bridge	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

SYSTEM PRESERVATION PROJECTS		Bridge Replacement Program (State)	Bridge Inspection & Appraisal (City)	Pavement Management System (State)	Roadway Pavement Condition Survey (City)	Cost Participation	Project Stage	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses SAFETEA-LU Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency
S61	Kamehameha Highway, Bridge Replacement, Kawela Stream Bridge	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S62	Kamehameha Highway, Bridge Replacement, North Kahana Stream Bridge	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S63	Kamehameha Highway, Bridge Replacement, South Kahana Stream Bridge	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S64	Kamehameha Highway, Bridge Replacement, South Punaluu Stream Bridge	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S65	Kamehameha Highway, Bridge Replacement, Upper Poamoho Stream Bridge	Y	N/A	N/A	N/A	H	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S66	Kamehameha Highway, Bridge Replacement, Waiahole Bridge	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S69	Kamehameha Highway, Lighting Improvements, Kawaipuna Street to North Punaluu Bridge	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 35
S85	Moanalua Freeway, Highway Lighting Improvements, Halawa to the H-3 Freeway Overpass	N/A	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 35
S86	Moanalua Freeway, Highway Lighting Improvements, Halawa Heights Off-Ramp to the Middle Street Overpass	N/A	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 35
S87	Moanalua Freeway, Seismic Retrofit, Puuloa Interchange, Ramp "A"	N	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S88	Moanalua Freeway, Seismic Retrofit, Puuloa Separation, Ramps "B" and "C"	N	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

SYSTEM PRESERVATION PROJECTS		Bridge Replacement Program (State)	Bridge Inspection & Appraisal (City)	Pavement Management System (State)	Roadway Pavement Condition Survey (City)	Cost Participation	Project Stage	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses SAFETEA-LU Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency
S97	Ala Moana Boulevard and Nimitz Highway, Resurfacing, Fort Street Mall to Holomoana Street	N	N/A	Y	N/A	L	M	Y	N	N	N/A	Y	Y	Y	Proj. 36

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

SAFETY PROJECTS		Strategic Highway Safety Plan (not yet released)	Highway Safety Improvement Program	Rockfall Protection Study (State)	Cost Participation	Project Stage	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses SAFETEA-LU Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency
C01	Alapai Transportation Management Center	N	L	N/A	L	L	N	N	Y	Y	Y	Y	Y	Proj. 1
C10	Traffic Improvements at Various Locations	N	L	N/A	L	M	N	N	N	N/A	Y	Y	Y	Obj. 6
S01	Ala Moana Boulevard, Intersection Improvements, Piikoi Street	N	Y	N	L	L	N	N	N	N/A	Y	Y	Y	Obj. 6
S06	Farrington Highway, Intersection Improvements, Haleakala Avenue	N	Y	N	H	M	N	N	N	N/A	Y	Y	Y	Obj. 7
S07	Farrington Highway, Intersection Improvements, Lualualei Homestead Road	N	Y	N	L	M	N	N	N	N/A	Y	Y	Y	Obj. 7
S08	Farrington Highway, Intersection Improvements, Nanakuli Avenue	N	Y	N	L	M	N	N	N	N/A	Y	Y	Y	Obj. 7
S16	Guardrail and Shoulder Improvements, Various Locations	N	N	N	L	L	N	N	N	N/A	Y	Y	Y	Proj. 35
S17	Interstate Route H-1, Guardrail and Shoulder Improvements, Kapiolani Interchange to Ainakoa Avenue	N	N	N	L	M	N	N	N	N/A	Y	Y	Y	Proj. 35
S18	Interstate Route H-1, Guardrail and Shoulder Improvements, Middle Street to Punchbowl Street	N	N	N	L	M	N	N	N	N/A	Y	Y	Y	Proj. 35
S43	Kalaniana'ole Highway, Improvements, Olomana Golf Course to Waimanalo Beach Park	N	N	N	H	M	N	N	Y	N/A	Y	Y	Y	Proj. 8
S44	Kalaniana'ole Highway, Improvements, Olomana Golf Course to Waimanalo Beach Park, Phase I	N	N	N/A	L	M	N	N	Y	N/A	Y	Y	Y	Proj. 8

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

SAFETY PROJECTS		Strategic Highway Safety Plan (not yet released)	Highway Safety Improvement Program	Rockfall Protection Study (State)	Cost Participation	Project Stage	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses SAFETEA-LU Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency
S45	Kalaniana'ole Highway, Improvements, Olomana Golf Course to Waimanalo Beach Park, Phase II	N	N	N/A	L	M	N	N	Y	N/A	Y	Y	Y	Proj. 8
S46	Kalaniana'ole Highway, Improvements, Olomana Golf Course to Waimanalo Beach Park, Phase III	N	N	N/A	L	M	N	N	Y	N/A	Y	Y	Y	Proj. 8
S47	Kalaniana'ole Highway, Improvements, Retaining Wall at Makapuu	N	N	Y	L	M	N	N	N	N/A	Y	Y	Y	Proj. 5
S68	Kamehameha Highway, Intersection Improvements, Kuilima Drive	N	Y	N	M	M	N	N	N	N/A	Y	Y	Y	Obj. 6
S71	Kamehameha Highway, Rockfall Protection, Vicinity of Kahuku	N	N	Y	L	L	N	N	N	N/A	Y	Y	Y	Proj. 5
S72	Kamehameha Highway, Rockfall Protection, Vicinity of Wahiawa Town	N	N	Y	L	L	N	N	N	N/A	Y	Y	Y	Proj. 5
S73	Kamehameha Highway, Rockfall Protection, Waimea Bay	N	N	Y	L	M	N	N	N	N/A	Y	Y	Y	Proj. 5
S74	Kamehameha Highway, Shoreline Protection, Vicinity of Punaluu	N	N	Y	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S75	Kamehameha Highway, Shoreline Protection, Vicinity of Hauula	N	N	Y	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S76	Kamehameha Highway, Shoreline Protection, Vicinity of Kaaawa	N	N	Y	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S77	Kamehameha Highway, Shoreline Protection, Vicinity of Kawailoa Beach	N	N	Y	L	M	N	N	N	N/A	Y	N/A	Y	Proj. 36
S78	Kamehameha Highway, Traffic Improvements, Kahuluu to Waimea Bay	N	N	N	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S83	Likelike Highway, Intersection Improvements, Kahekili Highway	N	Y	N	L	L	N	N	N	N/A	Y	Y	Y	Obj. 6

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

SAFETY PROJECTS		Strategic Highway Safety Plan (not yet released)	Highway Safety Improvement Program	Rockfall Protection Study (State)	Cost Participation	Project Stage	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses SAFETEA-LU Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency
S84	Moanalua Freeway and Interstate Route H-2, Guardrail and Shoulder Improvements	N	N	N	L	M	N	N	N	N/A	Y	Y	Y	Proj. 35
S89	Nimitz Highway, Intersection Improvements, Valkenburgh Street	N	Y	N	L	M	N	N	N	N/A	Y	Y	Y	Obj. 6
S91	Pali Highway, Castle Junction, Rockfall Protection, Kailua Bound	N	N	Y	L	M	N	N	N	N/A	Y	Y	Y	Proj. 5
S92	Pali Highway, Intersection Improvements at School Street	N	Y	N	L	L	N	N	N	N/A	Y	Y	Y	Obj. 6

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

CONGESTION MITIGATION PROJECTS		Congestion Management Process	Highway Safety Improvement Program	Travel Time or Delay Analysis	Project Location	Cost Participation	Project Stage	Traffic Signal Warrants	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses SAFETEA-LU Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency
C03	Computerized Traffic Control System	N/A	H	N/A	H	L	M	N/A	N	N	N	Y	Y	Y	Y	Proj. 4
C11	Traffic Signal Maintenance Facility	N/A	H	N/A	N/A	L	M	N/A	N	Y	N	Y	Y	Y	Y	Proj. 34
C12	Traffic Signal Optimization	N/A	H	N/A	H	L	L	N/A	N	N	N	Y	Y	Y	Y	Proj. 34
C13	Traffic Signals at Various Locations	N/A	H	N/A	H	L	M	Y	N	N	N	N/A	Y	Y	Y	Proj. 34
C21	Transfer to FHWA for Vanpool	N/A	N/A	N/A	M	L	H	N/A	N	N	N	N/A	Y	N/A	Y	Proj. 7
S10	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway, Phase 1B	N/A	L	N/A	H	L	M	N/A	N	N	N	Y	Y	Y	Y	Proj. 4
S11	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway, Phase 1C	N/A	L	N/A	H	L	M	N/A	N	N	N	Y	Y	Y	Y	Proj. 4
S12	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway, Phase 2A	N/A	L	N/A	H	L	M	N/A	N	N	N	Y	Y	Y	Y	Proj. 4
S13	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway, Phase 2B	N/A	L	N/A	H	L	M	N/A	N	N	N	Y	Y	Y	Y	Proj. 4
S14	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway, System Manager	N/A	L	N/A	H	L	M	N/A	N	N	N	Y	Y	Y	Y	Proj. 4
S15	Freeway Service Patrol	N/A	L	N/A	H	L	M	N/A	N	N	N	Y	Y	Y	Y	Proj. 4

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

CONGESTION MITIGATION PROJECTS		Congestion Management Process	Highway Safety Improvement Program	Travel Time or Delay Analysis	Project Location	Cost Participation	Project Stage	Traffic Signal Warrants	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses SAFETEA-LU Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency
S22	Interstate Route H-1, Lunalilo Street Off-Ramp and On-Ramp	N/A	L	N/A	M	L	M	N/A	N	N	N	N/A	Y	Y	Y	Proj. 16
S36	Interstate Route H-1, Ward Avenue On-Ramp to University Interchange, Eastbound	N/A	L	N/A	M	L	L	N/A	N	N	N	N/A	Y	Y	Y	Proj. 23
S93	Traffic Signal Modernization, Various Locations, Waialae Avenue and Nimitz, Farrington, Pali, and Likelike Highways	N/A	L	N/A	M	L	M	N/A	N	N	N	N/A	Y	Y	Y	Proj. 35
S95	Vanpool Program, Oahu	N/A	L	N/A	H	H	H	N/A	N	N	N	N/A	Y	N/A	Y	Proj. 7

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

MODERNIZATION PROJECTS		Congestion Management Process	Highway Safety Improvement Program	Travel Time or Delay Analysis	Project Location	Cost Participation	Project Stage	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses SAFETEA-LU Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency
C06	Makakilo Drive Extension	H	L	H	H	L	M	N	Y	N	N/A	Y	Y	Y	Proj. 29
S09	Fort Barrette Road, Widening, Farrington Highway to Barber's Point Gate	H	L	H	H	L	M	N	N	Y	N/A	Y	Y	Y	Proj. 12
S21	Interstate Route H-1, Kapolei Interchange, Phase 2	H	L	H	H	L	M	N	N	N	N/A	Y	Y	Y	Proj. 14
S28	Interstate Route H-1, PM Contraflow, Westbound	H	L	H	H	L	M	N	N	Y	N/A	Y	N/A	Y	Proj. 19
S29	Interstate Route H-1, PM Zipper Lane, Westbound	N/A	L	H	H	L	M	N	N	Y	N/A	Y	N/A	Y	Proj. 20
S34	Interstate Route H-1, Waiiau Interchange to Halawa Interchange, Widening, Eastbound	H	L	H	H	L	L	N	N	N	N/A	Y	Y	Y	Proj. 45
S35	Interstate Route H-1, Waiawa Interchange, Westbound, Waipahu Off-Ramp Improvements	H	L	H	H	L	L	N	N	N	N/A	Y	Y	Y	Proj. 21
S48	Kalaniana'ole Highway, Improvements, Vicinity of Hawaii Kai Drive to Keahole Street	H	L	H	M	L	M	N	N	N	N/A	Y	Y	Y	Obj. 11
S80	Kamehameha Highway, Widening, Lanikuhana Avenue to Ka Uka Boulevard	H	L	H	H	L	L	Y	N	N	N/A	Y	Y	Y	Proj. 25
S90	North-South Road, Kapolei Parkway to Vicinity of H-1 Freeway, Phase II	H	L	H	H	H	H	Y	N	Y	N/A	Y	Y	Y	Proj. 28
S96	Vineyard Boulevard, Improvements, Vicinity of Queen's Medical Center	N/A	N	N/A	M	M	M	N	N	N	N/A	Y	N/A	Y	Obj. 9

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

ENHANCEMENT PROJECTS		Enhancement Program	Non-Enhancement Funding	Cost Participation	Project Stage	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses SAFETEA-LU Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency
S42	Kalaniana'ole Highway, Bicycle Improvements, Waimanalo Beach Park to Makapuu	Not rated	Not rated	L	M	N	N	N	N/A	Y	Y	Y	Obj. 15
S79	Kamehameha Highway, Wetland Enhancement, Vicinity of Ukoa Pond	Not rated	Not rated	L	M	N	Y	N	N/A	Y	Y	Y	Obj. 14
S81	Leeward Bikeway, Phase 1, Waipio Point Access Road to Hawaii Railroad Society Train Station	H	N/A	L	M	Y	N	N	N/A	Y	Y	Y	Proj. 2
S82	Leeward Bikeway, Phase 2, Hawaii Railroad Society Train Station to Lualualei Naval Road	H	N/A	L	M	Y	N	N	N/A	Y	Y	Y	Proj. 2

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

HUMAN SERVICES TRANSPORTATION PROGRAMS		Human Services Transportation Plan	Cost Participation	Project Stage	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses SAFETEA-LU Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency
	<i>No projects fall in this category.</i>										

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

TRANSIT PROJECTS		Maintains Existing System	Completes Multi-Phase Project	Enhances Hub-and Spoke System	Enhances Safety and Security	New Transit Service	Local Match In Year 1 Budget	Local Match Probable In Years 2, 3 or 4 Budget	Oahu Regional ITS Architecture Consistency	Addresses SAFETEA-LU Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency
C15	Alapai Transit & Joint Traffic Management Center	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Proj. 1
C16	Bus and Handi-Van Acquisition Program	Y	Y	Y	Y	N	Y	Y	N/A	Y	Y	Y	Obj. 2
C17	Honolulu High Capacity Transit Corridor Project	Y	Y	Y	Y	Y	Y	Y	N/A	Y	Y	Y	Proj. 31
C18	Intra-Island Ferry	Y	Y	Y	Y	Y	Y	Y	N/A	Y	Y	Y	Proj. 30
C19	Middle Street Intermodal Center	Y	Y	Y	Y	Y	Y	Y	N/A	Y	Y	Y	Proj. 33
C20	Preventive Maintenance	Y	N	N	Y	Y	Y	Y	N/A	Y	Y	Y	Proj. 34
C22	Transit Security Projects	Y	Y	Y	Y	N	Y	Y	N/A	Y	Y	Y	Obj. 6
C23	West Oahu Bus and Handi-Van Maintenance Facility	Y	Y	Y	Y	Y	Y	Y	N/A	Y	Y	Y	Proj. 34
C24	Windward Transit Center	Y	Y	Y	Y	Y	Y	Y	N/A	Y	Y	Y	Proj. 33

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

APPENDIX L: OAHU REGIONAL INTELLIGENT TRANSPORTATION SYSTEM ARCHITECTURE (ORITSA) CONSISTENCY

OAHU REGIONAL ITS ARCHITECTURE CONSISTENCY		
Project Description	ITS Market Package	ORITSA Initiative
S10 Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway, Phase 1B	EM1 EM2 ATMS07 ATMS08	SMT3
S11 Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway, Phase 1C	EM1 EM2 ATMS07 ATMS08	SMT3
S12 Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway, Phase 2A	EM1 EM2 ATMS07 ATMS08	SMT3
S13 Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway, Phase 2B	EM1 EM2 ATMS07 ATMS08	SMT3
S14 Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway, System Manager	All Market Packages identified in the ORITSA.	Supporting Policies (# 4.2, 4.3, 4.6, 4.7, 4.8, 4.9 in Chapter 4, Integration Strategy)
S15 Freeway Service Patrol	EM1 EM2 ATMS08	SMT3
C01 Alapai Transportation Management Center	ATIS1 EM1 EM2 ATMS07 ATMS08	ST3 SMT5 MT1 MT2 MT5
C03 Computerized Traffic Control System	ATMS07	SMT5 MT5
C11 Traffic Signal Maintenance Facility	ATMS07	Supporting Policy (#4.8 in Chapter 4, Integration Strategy)
C12 Traffic Signal Optimization	ATMS07	SMT2

OAHU REGIONAL ITS ARCHITECTURE CONSISTENCY		
Project Description	ITS Market Package	ORITSA Initiative
C15 Alapai Transportation Management Center	ATIS1 EM1 EM2 ATMS07 ATMS08	ST3 SMT5 MT1 MT2 MT5

National Architecture Market Packages included in the ORITSA:

- AD3** ITS Virtual Data Warehouse
- ATIS1** Broadcast Traveler Information
- ATMS07** Regional Traffic Control
- EM1** Emergency Response
- EM2** Emergency Routing
- ATMS08** Incident Management System

ORITSA Initiatives

- ST1** **Emergency Agency CAD Integration:** This initiative supports the ongoing integration of appropriate HPD CAD data with the HDOT and C&C DTS and DIT.
- ST2** **Traffic Volume Archive and Data Sharing:** This initiative establishes a traffic volume data archive between HDOT and DTS. The archive will be accessible to regional agencies, storing historical data only.
- ST3** **Video Integration with Emergency Response Agencies:** This initiative provides video images, streaming video, and/or control of the Hawaii DOT CCTV cameras to emergency response operations.
- ST4** **Individual Agency Information Service Provide Integration:** This initiative enhances existing and planned agency Information Service Provider functions, including integration and/or linkage of independent traveler information sources.
- SMT1** **Transit Vehicle Signal Priority Implementation:** This initiative implements bus signal priority systems at signals and on buses to reduce delay, maintain bus schedules, and promote transit use. In the short-term, systems will be installed along a few major arterials, with eventual expansion of the system occurring in the mid-term.
- SMT2** **Emergency Vehicle Signal Pre-emption Expansion:** This initiative expands the emergency vehicle signal priority systems (pre-emption) to include additional signalized intersections to enhance regional emergency response.
- SMT3** **Freeway Management System Software integration for Partner Agencies:** This initiative installs Freeway Management System “client” software to allow partner agencies to monitor HDOT’s FMS. Control and/or monitoring capabilities will be governed by interagency agreements.

ORITSA Initiatives

- SMT4 ITS Architecture Expansion:** This initiative supports the phased expansion of the regional ITS architecture.
- SMT5 Regional Telecommunications Assessment:** In support of other regional initiatives, the regional telecommunications initiative focuses on the underlying support of ITS telecommunications infrastructure needs and targets interagency center-to-center communications, and includes assessment of relevant (common) center-to-roadside and roadside-to-vehicle communications.
- MT1 Emergency Agency CAD Integration:** This initiative integrates emergency agency CAD systems in an effort to improve operations. System integration will focus on real-time sharing of incident information and vehicle location data.
- MT2 Congestion Data Integration with Emergency Agencies:** This initiative provides traffic congestion data from Oahu's traffic management agencies for integration with emergency agency CAD systems.
- MT3 Data Fusion Dissemination:** This initiative will integrate data from HDOT and DTS (includes Oahu Transit Services, Inc.) into a single-point traveler information source for broad public and private dissemination.
- MT4 Regional Archive Data Implementation:** This initiative establishes a State, and City and County data archive. The two archives will share appropriate data from their respective agencies/divisions, so that there is a common mechanism to access and archive data. The two data archives will be linked, with Memorandums of Understanding dictating how data will be shared.
- MT5 Traffic Signal Integration:** This initiative provides partner agencies with remote interfaces to the traffic signal system and associated arterial management elements (e.g., video). Control and/or monitoring capabilities will be governed by MOUs.

APPENDIX M: TITLE VI AND ENVIRONMENTAL JUSTICE COMPLIANCE

TITLE VI AND EJ COMPLIANCE	
Performance Measure	Result
Public Participation	<p>The public involvement process utilized for the FYs 2008-2011 TIP complied with Title VI and environmental justice guidelines.</p> <p>Public outreach began early in the development of the TIP and continued throughout the process.</p> <p>Through the media and mailings, a special effort was made to reach out to all interested parties, including environmental justice populations, to encourage their comments.</p>
Population Policy	<p>The FYs 2008-2011 TIP expenditures are generally consistent with population growth projections provided by the City & County of Honolulu for the Year 2030.</p>
Safety	<p>Projects appear to correct for higher risk in areas that historically have had a high incidence of traffic crashes.</p> <p>Block groups that are designated as EJ have a higher percentage of safety projects either contained within them, or traversing through them than those that are designated as non-EJ.</p>
Equity	<p>EJ-designated block groups receive about 13% more per capita of TIP expenditures than non-EJ block groups. This is comparable and indicates a relatively fair distribution between EJ and non-EJ block groups.</p>

APPENDIX N: CONGESTION MANAGEMENT PROCESS PRIORITIZED PROJECT LISTS

RANKED LIST OF HIGHWAY PROJECTS

Rank	Project Number	Project Name
1	S34	Interstate Route H-1, Waiiau Interchange to Halawa Interchange, Widening, Eastbound
2	S90	North-South Road, Kapolei Parkway to Vicinity of H-1 Freeway, Phase II
3 (tie)	S09	Fort Barrette Road, Widening, Farrington Highway to Barber's Point Gate
	S35	Interstate Route H-1, Waiawa Interchange, Westbound, Waipahu Off-Ramp Improvements ¹
	S80	Kamehameha Highway, Widening, Lanikuhana Avenue to Ka Uka Boulevard
4 (tie)	S21	Interstate Route H-1, Kapolei Interchange, Phase 2
	S48	Kalaniana'ole Highway, Improvements, Vicinity of Hawaii Kai Drive to Keahole Street
	C06	Makakilo Drive Extension
5	S28	Interstate Route H-1, PM Contraflow, Westbound*

RANKED LIST OF TRANSIT PROJECTS

Rank	Project Number	Project Name
1	C17	Honolulu High Capacity Transit Corridor Project
2	C18	Intra-Island Ferry

¹ The Congestion Management Process uses the OahuMPO travel forecasting model to forecast the impact of projects in the *AM peak period*.

