

**FYs 2008 - 2011 TRANSPORTATION IMPROVEMENT PROGRAM**

**REVISION #9 (AMENDMENT)**

**Approved by the OahuMPO Policy Committee  
January 26, 2009**



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## ABBREVIATIONS

### 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

### ABBREVIATIONS USED IN PROJECT LISTING

#### ***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

### ***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	FTA §5307 Urbanized Area Formula Program
§5340	FTA §5340 Growing States and High Density States Formula Program

### ***Locally Funded Categories***

Local Only	Locally Funded
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### ***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

**OAHU METROPOLITAN PLANNING ORGANIZATION  
FYs 2008 - 2011 TRANSPORTATION IMPROVEMENT PROGRAM**

**REVISION #9  
Amendment**

This revision is an amendment. Amendments require OahuMPO Policy Committee approval, a review by the Technical Advisory Committee, and the solicitation of public comments. Refer to Chapter 10 of the TIP for additional details.

**PROJECT**

**NUMBER      PROJECT NAME (sorted by project name)      REVISION DETAILS**

**FHWA- FUNDED PROJECTS**

**State of Hawaii - Sponsored Projects**

S103	Farrington Highway (Route 93), Safety Improvements, Leihoku Street to Makau Street	Added new project.
S22	Interstate Route H-1, Lunalilo Street Off-Ramp and On-Ramp	Deleted project from the 4-year TIP. Deferred and inflated DES (by 4% per year) from FY 2010 to FY 2012. Deferred funds in order to add federal funds to Project S28 (Interstate Route H-1, PM Contraflow, Westbound, Waiawa Interchange Improvements) and Project S29 (Interstate Route H-1, PM Zipper Lane, Westbound).
S28	Interstate Route H-1, PM Contraflow, Westbound, Waiawa Interchange Improvements (Four westbound through Lanes)	Deleted project from the 4-year TIP. Added \$20,250,000 in Interstate Maintenance funds. Deferred and inflated CON (by 4% per year) from FY 2010 to FY 2012 to match up with anticipated construction schedule for Project S29 (Interstate Route H-1, PM Zipper Lane, Westbound).
S38	Interstate Route H-3, Seismic Retrofit, Mokapu Boulevard (Route 65) Interchange	Deleted project from the 4-year TIP. Deferred funds in order to add federal funds to Project S28 (Interstate Route H-1, PM Contraflow, Westbound, Waiawa Interchange Improvements) and Project S29 (Interstate Route H-1, PM Zipper Lane, Westbound).
S104	Kamehameha Highway (Route 83), Safety Improvements, Kahana Road to Kaaawa Bridge	Added new project.
S105	Kamehameha Highway (Route 83), Safety Improvements, Pualalea Street to Malaekahana and Laiemaloo Bridge to Hauula Bridge	Added new project.
S106	Kamehameha Highway (Route 83), Safety Improvements, Waikane Valley Road to Kahekili Highway	Added new project.
S56	Kamehameha Highway (Route 99), Bridge Replacement, Cane Haul Road Structure, In-Bound, Vicinity of Waipahu	Deleted project from the 4-year TIP. Deferred and inflated CON (by 4% per year) from FY 2010 to FY 2012. After these bridges were programmed for replacement, due to structural deficiencies, some immediate repairs were done using other funds to correct the major deficiencies. Addressing these repairs has reduced the priority for the replacement of these structures.

**FHWA- FUNDED PROJECTS**

**State of Hawaii - Sponsored Projects**

S57	Kamehameha Highway (Route 99), Bridge Replacement, Cane Haul Road Structure, Out-Bound, Vicinity of Waipahu	Deleted project from the 4-year TIP. Deferred and inflated CON (by 4% per year) from FY 2010 to FY 2012. After these bridges were programmed for replacement, due to structural deficiencies, some immediate repairs were done using other funds to correct the major deficiencies. Addressing these repairs has reduced the priority for the replacement of these structures.
S83	Likelike Highway (Route 63), Intersection Improvements, Kahekili Highway (Route 83)	Deleted project. All State funds have been used to address sight distance and beacon problems.

**City and County of Honolulu - Sponsored Projects**

C26	Kahuhipa Street Hydro-Modification Device between Kahuhipa Street and Kawa Street	Added new project.
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**S22 Interstate Route H-1, Lunalilo Street Off-Ramp and On-Ramp**



**TIP Revision #9 Details:**

Deleted project from the 4-year TIP. Deferred and inflated DES (by 4% per year) from FY 2010 to FY 2012. Deferred funds in order to add federal funds to Project S28 (Interstate Route H-1, PM Contraflow, Westbound, Waiawa Interchange Improvements) and Project S29 (Interstate Route H-1, PM Zipper Lane, Westbound).

**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

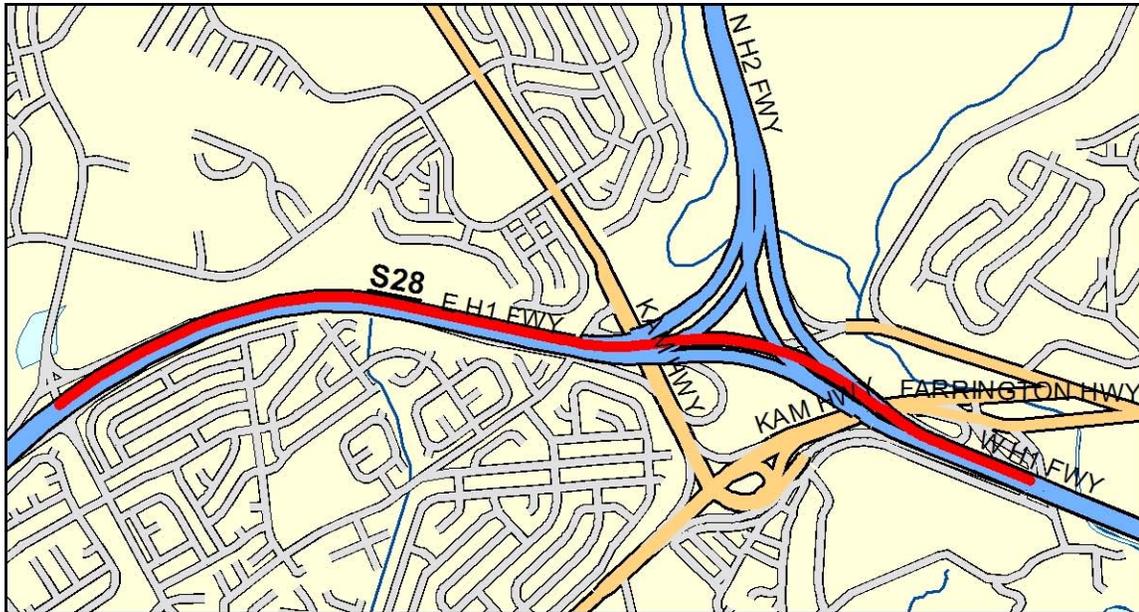
**Total Estimated Project Cost:** \$25,000,000

**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	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	1,080	864	216	0	0	0	IM

**S28 Interstate Route H-1, PM Contraflow, Westbound, Waiawa Interchange Improvements (Four westbound through Lanes)**



**TIP Revision #9 Details:**

Deleted project from the 4-year TIP. Added \$20,250,000 in Interstate Maintenance funds. Deferred and inflated CON (by 4% per year) from FY 2010 to FY 2012 to match up with anticipated construction schedule for Project S29 (Interstate Route H-1, PM Zipper Lane, 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	0	0	0	0	0	0	0	0	0	22,500	20,250	2,250	0	0	0	IM

**S38 Interstate Route H-3, Seismic Retrofit, Mokapu Boulevard (Route 65) Interchange**



**TIP Revision #9 Details:**

Deleted project from the 4-year TIP. Deferred funds in order to add federal funds to Project S28 (Interstate Route H-1, PM Contraflow, Westbound, Waiawa Interchange Improvements) and Project S29 (Interstate Route H-1, PM Zipper Lane, Westbound).

**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	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	2,900	2,320	580	0	0	0	Bridge On

**S56 Kamehameha Highway (Route 99), Bridge Replacement, Cane Haul Road Structure, In-Bound, Vicinity of Waipahu**



**TIP Revision #9 Details:**

Deleted project from the 4-year TIP. Deferred and inflated CON (by 4% per year) from FY 2010 to FY 2012. After these bridges were programmed for replacement, due to structural deficiencies, some immediate repairs were done using other funds to correct the major deficiencies. Addressing these repairs has reduced the priority for the replacement of these structures.

**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	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	3,785	3,028	757	0	0	0	Bridge On



**S83 Likelike Highway (Route 63), Intersection Improvements, Kahekili Highway (Route 83)**



**TIP Revision #9 Details:**

Deleted project. All State funds have been used to address sight distance and beacon problems.

**Project Description:**

Install additional flashing beacons and signs. Reposition traffic signal heads, which includes the replacement of combination traffic signal and highway lighting standards. Improve pavement markings striping and signing.

**Neighborhood(s):** Kaneohe

**Total Estimated Project Cost:** \$350,000

**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	0	0	0	HSIP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	HSIP

**S103 Farrington Highway (Route 93), Safety Improvements, Leihoku Street to Makau Street**



**TIP Revision #9 Details:**

Added new project.

**Project Description:**

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

**Neighborhood(s):** Waianae Coast

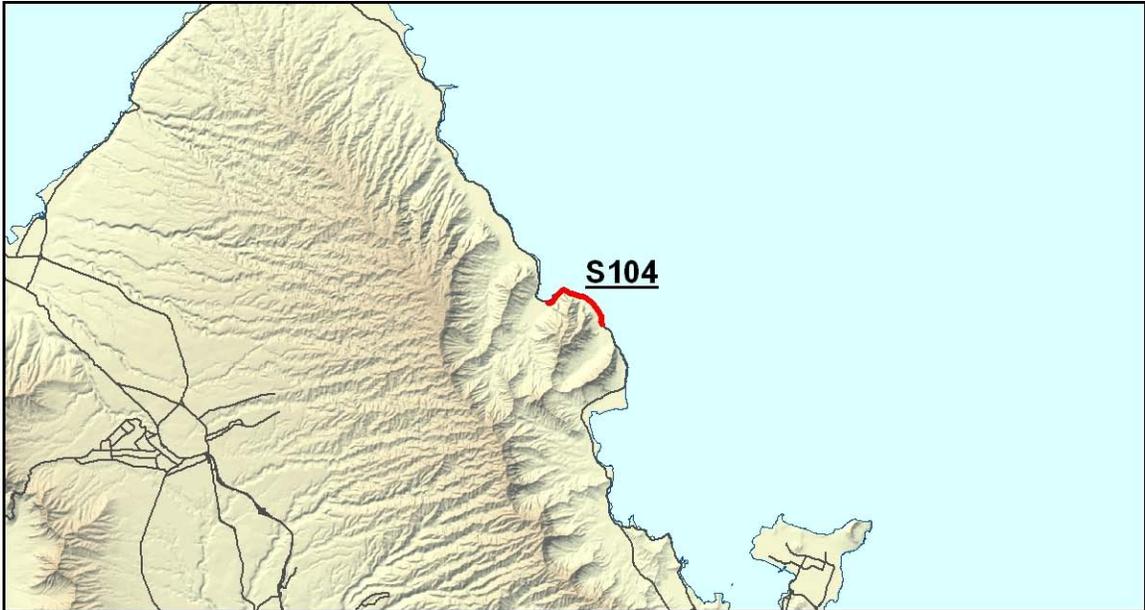
**Total Estimated Project Cost:** \$2,150,000

**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	
	Total	Federal	Local	FY 2012			FY 2013													
	(x\$1000)	Total	Federal	Local	Total	Federal	Local													
DES	0	0	0	430	387	43	0	0	0	0	0	0	0	0	0	0	0	0	0	HSIP

**S104 Kamehameha Highway (Route 83), Safety Improvements, Kahana Road to Kaaawa Bridge**



**TIP Revision #9 Details:**

Added new project.

**Project Description:**

Install milled rumble strips on centerline and shoulders, check superelevation along entire segment and install pavement markings, striping and signing on Kamehameha Highway from Kahana Road to Kaaawa Bridge.

**Neighborhood(s):** Kahaluu

**Total Estimated Project Cost:** \$1,400,000

**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													
DES	0	0	0	280	252	28	0	0	0	0	0	0	0	0	0	0	0	0	0	HSIP

**S105 Kamehameha Highway (Route 83), Safety Improvements, Pualalea Street to Malaekahana and Laiemaloo Bridge to Hauula Bridge**



**TIP Revision #9 Details:**

Added new project.

**Project Description:**

Install milled rumble strips on centerline and shoulders, check superelevation along entire segment and install pavement markings, striping and signing on Kamehameha Highway from Pualalea Street to Malaekahana and Laiemaloo Bridge to Hauula Bridge.

**Neighborhood(s):** Koolauloa

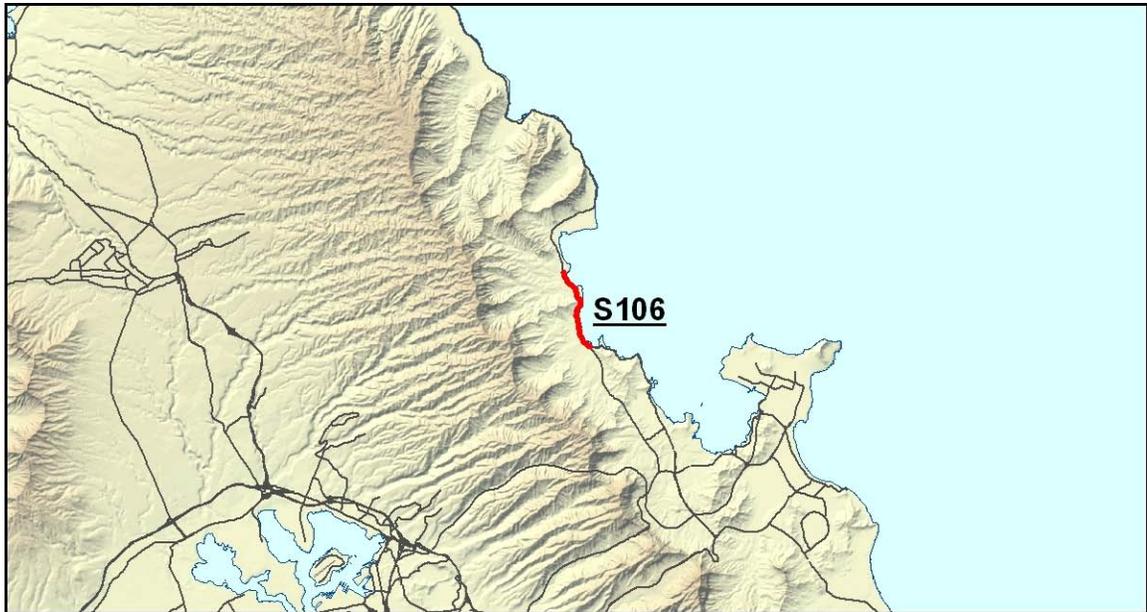
**Total Estimated Project Cost:** \$1,600,000

**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													
DES	0	0	0	320	288	32	0	0	0	0	0	0	0	0	0	0	0	0	0	HSIP

**S106 Kamehameha Highway (Route 83), Safety Improvements, Waikane Valley Road to Kahekili Highway**



**TIP Revision #9 Details:**

Added new project.

**Project Description:**

Install milled rumble strips on centerline and shoulders, check superelevation along entire segment and install pavement markings, striping and signing on Kamehameha Highway from Waikane Valley Road to Kahekili Highway.

**Neighborhood(s):** Kahaluu

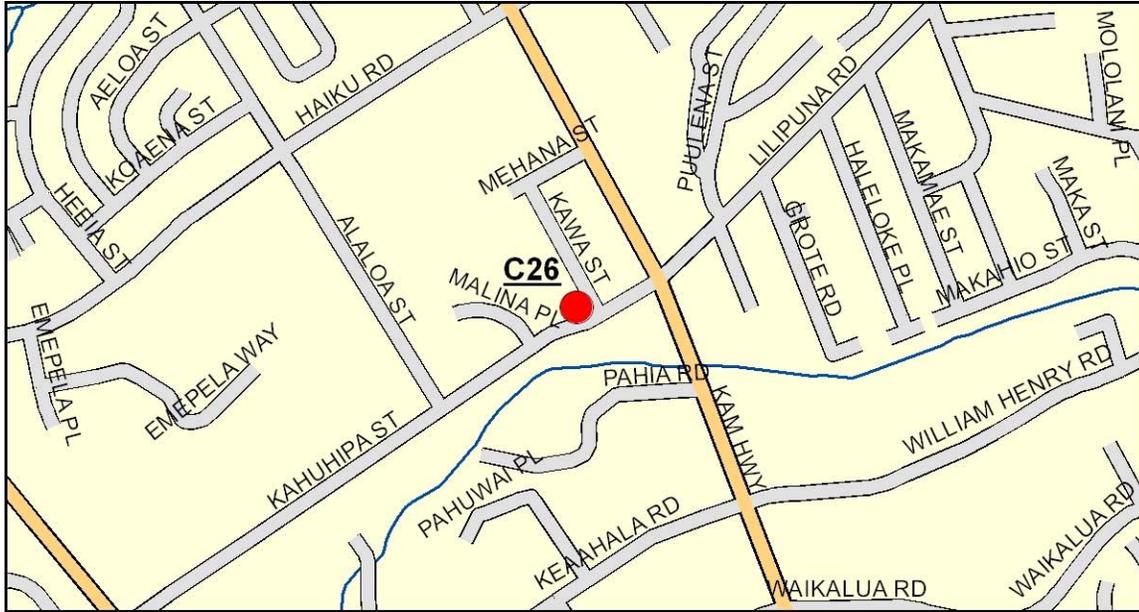
**Total Estimated Project Cost:** \$1,600,000

**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													
DES	0	0	0	320	288	32	0	0	0	0	0	0	0	0	0	0	0	0	0	HSIP

**C26 Kahuhipa Street Hydro-Modification Device between Kahuhipa Street and Kawa Street**



**TIP Revision #9 Details:**

Added new project.

**Project Description:**

Construct an in-line storm drain pollutant collector, called a hydro-modification device, to collect pollutants via run-off from highways, public streets, parking lots, and other businesses. Planning, inspection, and some construction phases were funded privately, totaling \$358,000. This will be the first installation of a hydro-modification device on a City and County of Honolulu street.

**Neighborhood(s):** Kaneohe

**Total Estimated Project Cost:** \$993,000

**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													
CON	0	0	0	635	348	287	0	0	0	0	0	0	0	0	0	0	0	0	0	Enhance

## FUNDING SUMMARY

													<b>FOR INFORMATION ONLY</b>					
	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)									
<b>FHWA-FUNDED PROJECTS</b>																		
<b>State of Hawaii - Sponsored Projects</b>																		
As of Revision #8	47,830	47,374	456	101,264	78,131	23,133	152,515	89,757	62,758	85,110	85,720	(610)	100,811	83,260	17,551	106,665	86,945	19,720
Revision #9 Changes	0	0	0	1,300	1,170	130	(28,800)	(6,400)	(22,400)	(3,080)	(2,494)	(586)	34,050	29,490	4,560	0	0	0
Total as of Revision #9	47,830	47,374	456	102,564	79,301	23,263	123,715	83,357	40,358	82,030	83,226	(1,196)	134,861	112,750	22,111	106,665	86,945	19,720
<b>C&amp;C of Honolulu - Sponsored Projects</b>																		
As of Revision #8	29,993	18,836	11,157	22,564	15,255	7,309	61,927	19,034	42,893	70,078	19,822	50,256	21,465	24,663	(3,198)	47,227	45,273	1,954
Revision #9 Changes				635	348	287	0	0	0	0	0	0	0	0	0	0	0	0
Total as of Revision #9	29,993	18,836	11,157	23,199	15,603	7,596	61,927	19,034	42,893	70,078	19,822	50,256	21,465	24,663	(3,198)	47,227	45,273	1,954
<b>TOTAL FHWA</b>	<b>77,823</b>	<b>66,210</b>	<b>11,613</b>	<b>125,763</b>	<b>94,904</b>	<b>30,859</b>	<b>185,642</b>	<b>102,391</b>	<b>83,251</b>	<b>152,108</b>	<b>103,048</b>	<b>49,060</b>	<b>156,326</b>	<b>137,413</b>	<b>18,913</b>	<b>153,892</b>	<b>132,218</b>	<b>21,674</b>
<b>FTA-FUNDED PROJECTS</b>																		
<b>State of Hawaii - Sponsored Projects</b>																		
As of Revision #8	140	111	29	270	215	55	155	120	35	163	126	37	172	133	39	179	139	40
Revision #9 Changes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total as of Revision #9	140	111	29	270	215	55	155	120	35	163	126	37	172	133	39	179	139	40
<b>C&amp;C of Honolulu - Sponsored Projects</b>																		
As of Revision #8	176,175	59,418	116,757	329,660	52,679	276,981	399,390	38,016	361,374	366,714	87,796	278,918	384,490	201,341	183,149	386,255	199,075	187,180
Revision #9 Changes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total as of Revision #9	176,175	59,418	116,757	329,660	52,679	276,981	399,390	38,016	361,374	366,714	87,796	278,918	384,490	201,341	183,149	386,255	199,075	187,180
<b>TOTAL FTA</b>	<b>176,315</b>	<b>59,529</b>	<b>116,786</b>	<b>329,930</b>	<b>52,894</b>	<b>277,036</b>	<b>399,545</b>	<b>38,136</b>	<b>361,409</b>	<b>366,877</b>	<b>87,922</b>	<b>278,955</b>	<b>384,662</b>	<b>201,474</b>	<b>183,188</b>	<b>386,434</b>	<b>199,214</b>	<b>187,220</b>

**FINANCIAL PLAN**  
**FYs 2008-2011 TIP as of Revision #9**

The FHWA program is financially constrained, as demonstrated in the following tables. The amount of FHWA funds estimated to be available for projects on Oahu is determined through a cooperative agreement between OahuMPO, HDOT, and DTS. Information on the revenues estimated to be available for the entire State of Hawaii is available in the HDOT's FYs 2008-2011 STIP, as revised. Refer to Chapter 13 of the TIP for additional information on FHWA and FTA funding sources.

**FHWA Financial Constraint – FY 2008**

<b>FY 2008</b>	<b>Total Sources (x\$1000)</b>	<b>Federal Funds (x\$1000)</b>	<b>Local Funds (x\$1000)</b>	<b>Total Uses (x\$1000)</b>	<b>Federal Funds Balance (x\$1000)</b>
Bridge Off-System	700	560	140	700	0
Bridge On-System	14,380	11,504	2,876	14,380	0
CMAQ	1,352	1,352	0	1,352	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	250	225	25	250	0
Interstate Maintenance	4,000	3,200	800	4,000	0
Interstate Maintenance Discretionary	0	0	0	0	0
National Highway System	21,500	25,865	(4,365)	21,500	0
STP Enhancement	0	0	0	0	0
STP Flexible	33,220	21,956	11,264	33,220	0
Transfer from FTA to FHWA	1,548	1,548	0	1,548	0
Local Only	873	0	873	873	0
<b>FHWA TOTAL</b>	<b>77,823</b>	<b>66,210</b>	<b>11,613</b>	<b>77,823</b>	<b>0</b>

**FHWA Financial Constraint – FY 2009**

<b>FY 2009</b>	<b>Total Sources (x\$1000)</b>	<b>Federal Funds (x\$1000)</b>	<b>Local Funds (x\$1000)</b>	<b>Total Uses (x\$1000)</b>	<b>Federal Funds Balance (x\$1000)</b>
Bridge Off-System	800	640	160	800	0
Bridge On-System	23,351	18,683	4,668	23,351	0
CMAQ	1,237	1,237	0	1,237	0
Discretionary Funds	520	450	70	520	0
Earmark High Priority	250	200	50	250	0
Earmark Section 115	5,000	4,000	1,000	5,000	0
Highway Safety Improvement Program	2,200	1,955	245	2,200	0
Interstate Maintenance	7,500	6,200	1,300	7,500	0
Interstate Maintenance Discretionary	0	0	0	0	0
National Highway System	49,560	44,208	5,352	49,560	0
STP Enhancement	1,467	1,013	454	1,467	0
STP Flexible	21,690	14,655	7,035	21,690	0
Transfer from FTA to FHWA	1,663	1,663	0	1,663	0
Local Only	10,525	0	10,525	10,525	0
<b>FHWA TOTAL</b>	<b>125,763</b>	<b>94,904</b>	<b>30,859</b>	<b>125,763</b>	<b>0</b>

**FHWA Financial Constraint – FY 2010**

<b>FY 2010</b>	<b>Total Sources (x\$1000)</b>	<b>Federal Funds (x\$1000)</b>	<b>Local Funds (x\$1000)</b>	<b>Total Uses (x\$1000)</b>	<b>Federal Funds Balance (x\$1000)</b>
Bridge Off-System	2,300	1,840	460	2,300	0
Bridge On-System	33,770	27,017	6,753	33,770	0
CMAQ	1,113	1,113	0	1,113	0
Discretionary Funds	0	0	0	0	0
Earmark High Priority	1,970	1,575	395	1,970	0
Earmark Section 115	0	0	0	0	0
Highway Safety Improvement Program	6,368	5,174	1,194	6,368	0
Interstate Maintenance	11,660	10,494	1,166	11,660	0
Interstate Maintenance Discretionary	1,000	900	100	1,000	0
National Highway System	59,047	29,697	29,350	59,047	0
STP Enhancement	6,500	5,200	1,300	6,500	0
STP Flexible	60,074	17,594	42,480	60,074	0
Transfer from FTA to FHWA	1,787	1,787	0	1,787	0
Local Only	53	0	53	53	0
<b>FHWA TOTAL</b>	<b>185,642</b>	<b>102,391</b>	<b>83,251</b>	<b>185,642</b>	<b>0</b>

**FHW Financial Constraint – FY 2011**

<b>FY 2011</b>	<b>Total Sources (x\$1000)</b>	<b>Federal Funds (x\$1000)</b>	<b>Local Funds (x\$1000)</b>	<b>Total Uses (x\$1000)</b>	<b>Federal Funds Balance (x\$1000)</b>
Bridge Off-System	900	720	180	900	0
Bridge On-System	30,965	24,770	6,195	30,965	0
CMAQ	980	980	0	980	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	0	0	0	0	0
Interstate Maintenance	15,548	13,179	2,369	15,548	0
Interstate Maintenance Discretionary	0	0	0	0	0
National Highway System	23,302	36,317	(13,015)	23,302	0
STP Enhancement	0	0	0	0	0
STP Flexible	76,700	25,162	51,538	76,700	0
Transfer from FTA to FHWA	1,920	1,920	0	1,920	0
Local Only	1,793	0	1,793	1,793	0
<b>FHWA TOTAL</b>	<b>152,108</b>	<b>103,048</b>	<b>49,060</b>	<b>152,108</b>	<b>0</b>

The State of Hawaii’s FTA program for Oahu is financially constrained, as demonstrated in the following tables.

**FTA Financial Constraint – FY 2008**

<b>FY 2008</b>	<b>Total Sources (x\$1000)</b>	<b>Federal Funds (x\$1000)</b>	<b>Local Funds (x\$1000)</b>	<b>Total Uses (x\$1000)</b>	<b>Federal Funds Balance (x\$1000)</b>
§5316 JARC	75	60	15	75	0
§5317 New Freedom	65	51	14	65	0
<b>FTA TOTAL</b>	<b>140</b>	<b>111</b>	<b>29</b>	<b>140</b>	<b>0</b>

**FTA Financial Constraint – FY 2009**

<b>FY 2009</b>	<b>Total Sources (x\$1000)</b>	<b>Federal Funds (x\$1000)</b>	<b>Local Funds (x\$1000)</b>	<b>Total Uses (x\$1000)</b>	<b>Federal Funds Balance (x\$1000)</b>
§5316 JARC	145	115	30	145	0
§5317 New Freedom	125	100	25	125	0
<b>FTA TOTAL</b>	<b>270</b>	<b>215</b>	<b>55</b>	<b>270</b>	<b>0</b>

**FTA Financial Constraint – FY 2010**

<b>FY 2010</b>	<b>Total Sources (x\$1000)</b>	<b>Federal Funds (x\$1000)</b>	<b>Local Funds (x\$1000)</b>	<b>Total Uses (x\$1000)</b>	<b>Federal Funds Balance (x\$1000)</b>
§5316 JARC	85	65	20	85	0
§5317 New Freedom	70	55	15	70	0
<b>FTA TOTAL</b>	<b>155</b>	<b>120</b>	<b>35</b>	<b>155</b>	<b>0</b>

**FTA Financial Constraint – FY 2011**

<b>FY 2011</b>	<b>Total Sources (x\$1000)</b>	<b>Federal Funds (x\$1000)</b>	<b>Local Funds (x\$1000)</b>	<b>Total Uses (x\$1000)</b>	<b>Federal Funds Balance (x\$1000)</b>
§5316 JARC	89	68	21	89	0
§5317 New Freedom	74	58	16	74	0
<b>FTA TOTAL</b>	<b>163</b>	<b>126</b>	<b>37</b>	<b>163</b>	<b>0</b>

The City and County of Honolulu’s FTA program is also financially constrained; it has not been revised since the last TIP amendment. Financial constraint is demonstrated below.

**FTA Financial Constraint – FY 2008**

<b>FY 2008</b>	<b>Estimated Federal Funds Available for Oahu (x\$1000)</b>	<b>Local Funds (x\$1000)</b>	<b>Federal Funds Prior Year's Carryover (x\$1000)</b>	<b>Total Sources (x\$1000)</b>	<b>Total Uses (x\$1000)</b>	<b>Federal Funds Balance (x\$1000)</b>
§5307 Urbanized Area Formula	28,997	27,748	8,404	65,148	60,734	4,414
§5309 Bus Capital	1,496	12,349	5,437	19,282	19,086	196
§5309 Fixed Guideway Modernization	1,998	2,345	423	4,766	4,690	76
§5309 New Starts (Ferry allocation)	0	2,400	2,000	4,400	4,400	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
<b>FTA TOTAL</b>	<b>46,491</b>	<b>117,294</b>	<b>17,812</b>	<b>181,596</b>	<b>176,910</b>	<b>4,686</b>

**FTA Financial Constraint – FY 2009**

<b>FY 2009</b>	<b>Estimated Federal Funds Available for Oahu (x\$1000)</b>	<b>Local Funds (x\$1000)</b>	<b>Federal Funds Prior Year's Carryover (x\$1000)</b>	<b>Total Sources (x\$1000)</b>	<b>Total Uses (x\$1000)</b>	<b>Federal Funds Balance (x\$1000)</b>
§5307 Urbanized Area Formula	30,846	23,384	4,414	58,644	57,094	1,550
§5309 Bus Capital	1,500	86	196	1,782	432	1,350
§5309 Fixed Guideway Modernization	1,998	448	76	2,521	2,240	281
§5309 New Starts (Ferry allocation)	2,800	1,700	0	4,500	4,500	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
<b>FTA TOTAL</b>	<b>51,143</b>	<b>276,619</b>	<b>4,686</b>	<b>332,448</b>	<b>329,266</b>	<b>3,182</b>

**FTA Financial Constraint – FY 2010**

<b>FY 2010</b>	<b>Estimated Federal Funds Available for Oahu (x\$1000)</b>	<b>Local Funds (x\$1000)</b>	<b>Federal Funds Prior Year's Carryover (x\$1000)</b>	<b>Total Sources (x\$1000)</b>	<b>Total Uses (x\$1000)</b>	<b>Federal Funds Balance (x\$1000)</b>
§5307 Urbanized Area Formula	31,493	22,223	1,307	55,023	53,974	1,049
§5309 Bus Capital	1,500	0	1,350	2,850	0	2,850
§5309 Fixed Guideway Modernization	1,998	2,064	281	4,343	4,328	15
§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
<b>FTA TOTAL</b>	<b>38,991</b>	<b>275,286</b>	<b>2,938</b>	<b>317,216</b>	<b>313,302</b>	<b>3,914</b>

**FTA Financial Constraint – FY 2011**

<b>FY 2011</b>	<b>Estimated Federal Funds Available for Oahu (x\$1000)</b>	<b>Local Funds (x\$1000)</b>	<b>Federal Funds Prior Year's Carryover (x\$1000)</b>	<b>Total Sources (x\$1000)</b>	<b>Total Uses (x\$1000)</b>	<b>Federal Funds Balance (x\$1000)</b>
§5307 Urbanized Area Formula	32,155	24,288	780	57,223	56,183	1,041
§5309 Bus Capital	1,500	0	2,850	4,350	0	4,350
§5309 Fixed Guideway Modernization	1,998	475	15	2,488	2,376	112
§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
<b>FTA TOTAL</b>	<b>89,652</b>	<b>275,763</b>	<b>3,646</b>	<b>369,062</b>	<b>363,559</b>	<b>5,503</b>