

**FEDERAL FISCAL YEARS 2008 - 2011
TRANSPORTATION IMPROVEMENT PROGRAM**

**REVISION #16
PRE-APPROVED ADMINISTRATIVE MODIFICATION**

January 2010



Oahu Metropolitan Planning Organization
707 Richards Street, Suite 200
Honolulu, Hawaii 96813-4623
(808) 587-2015
www.OahuMPO.org

ABBREVIATIONS

OVERALL ABBREVIATIONS

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
OahuMPO	Oahu Metropolitan Planning Organization
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

ARRA-09	2009 American Recovery & Reinvestment Act
Bridge Off	Bridge Off-System
Bridge On	Bridge On-System
CMAQ	Congestion Mitigation and Air Quality Improvement Program
H-3 Discret	Discretionary Funds
Earmark HP	Earmark High Priority
Enhance	Transportation Enhancement
FHWA X-fer	Transfer from FTA to FHWA
HSIP	Highway Safety Improvement Program
IM	Interstate Maintenance
IM Discret	Interstate Maintenance Discretionary Program
NHS	National Highway System
Section 115	Earmark Section 115
STP Flex	Surface Transportation Program Flexible

FTA Funding Categories

ARRA-09 TCA	2009 American Recovery & Reinvestment Act Transit Capital Assistance
FTA	FTA Funds (Details Unknown)
§5307	Urbanized Area Formula Program
§5309	Bus and Bus-Related Facilities
§5309 BC	Bus and Bus-Related Facilities
§5309 Ferry	New Starts (Ferry Allocation)
§5309 FGM	Fixed Guideway Modernization
§5309 NS	New Starts
§5316	Job Access and Reverse Commute (JARC)
§5317	New Freedom
§5337	Fixed Guideway Infrastructure Apportionments
§5340	Growing States and High Density States Formula Program

Locally Funded Categories

Local Only	Funded with State or City Funds
------------	---------------------------------

Project Phases

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

REVISION #16
Pre-Approved Administrative Modification

This revision consists of administrative modifications that the OahuMPO Policy Committee has pre-approved. 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

S97	Ala Moana Boulevard (Route 92) and Nimitz Highway (Route 92), Resurfacing and Highway Lighting Replacement, Fort Street Mall to Kalakaua Avenue (Route 7612)	Advanced CON from FFY 2010 to FFY 2009. Actual obligation amount is \$2,900,000 less than previously estimated. ADVCON reimbursement in FFY 2011 was deleted since the project was fully funded in FFY 2009.
S05	Farrington Highway (Route 93), Bridge Replacement, Makaha Bridges #3 and #3A	Advanced CON from FFY 2013 to FFY 2010. Cost of CON increased by \$2,980,000.
S06	Farrington Highway (Route 93), Intersection Improvements, Haleakala Avenue (Route 8743)	Deferred and inflated (by 4% per year) CON from FFY 2010 to FFY 2011. The environmental stage is not yet complete.
S08	Farrington Highway (Route 93), Intersection Improvements, Nanakuli Avenue (Route 8744)	Deferred and inflated (by 4% per year) CON from FFY 2010 to FFY 2011. The environmental stage is not yet complete.
S11	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway, Phase 1C	Deferred CON from FFY 2010 to FFY 2011 to meet revised DES completion schedule. Deferral will address a state matching fund availability issue. Deferred funds were added on to existing FFY 2011 funding.
S107	Interstate Route H-1, Dowel Retrofit, Kaimuki and Palailai Areas	Advanced CON from FFY 2010 to FFY 2009.
S21	Interstate Route H-1, Kapolei Interchange Complex	Deferred Phase 2A CON from FFY 2010 to FFY 2011. Advanced Phase 2A CON funds from FFY 2012 to FFY 2011 and added ADVCON reimbursement in FFY 2012. The programmed amounts were adjusted to reflect the latest design schedule.
S23	Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 1	Changed funding category from Interstate Maintenance funds to Bridge On-System funds. Added ADVCON reimbursement to fully obligate this project in FFY 2009. The remainder that was unavailable in FFY 2009 will be taken from FFY 2010 funds.
S24	Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 2	Increased CON by \$29,600,000 in FFY 2012. Designated the project as an ARRA backup project. In anticipation that not enough federal funds will be available in FFY 2012 to fully fund this project (without sacrificing another project), ADVCON reimbursement is planned in FFY 2013.
S25	Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 3	Decreased CON by \$5,000,000 in FFY 2013 based on updated cost estimates.

FHWA - Funded Projects

State of Hawaii - Sponsored Projects

S29	Interstate Route H-1, PM Zipper Lane, Westbound	Increased DES/CON by \$8,638,000 in FFY 2009 to reflect actual obligation amounts. Deleted ADVCON reimbursement in FFY 2010 and FFY 2011 since this project was fully funded in FFY 2009.
S37	Interstate Route H-3, H-3 Finish, Unit VIIC	Deferred CON from FFY 2009 to FFY 2010. Project schedule is dependent on advertisement of an earlier phase, Unit VIIB, which has not yet occurred.
S39	Interstate Routes H-1 and H-2, Destination Sign Upgrade/Replacement, Phase 1 and Phase 2	Deferred and inflated (by 4% per year) DES from FFY 2009 to FFY 2010. Inflated DES by \$25,000. The design contract is not yet developed.
S43	Kalaniana'ole Highway (Route 72), Improvements, Olomana Golf Course to Waimanalo Beach Park, Phase 1	Advanced ROW from FFY 2010 to FFY 2009. Actual obligation amounts were \$113,000 less than the previous estimate.
S45	Kalaniana'ole Highway (Route 72), Improvements, Olomana Golf Course to Waimanalo Beach Park, Phase II, Poalima Street to Aloiloi Street	Deferred and inflated (by 4% per year) DES from FFY 2010 to FFY 2011. Inflated DES by \$30,000. Deferred to address FFY 2010 priorities and financial constraint.
S50	Kamehameha Highway, Bridge Rehabilitation, Kaipapau Stream Bridge	Deferred and inflated (by 4% per year) ROW from FFY 2009 to FFY 2010. Increased ROW by \$25,000. Increased CON cost estimate by \$5,000,000 in FFY 2010. Project has ROW and permit issues that need to be resolved.
S61	Kamehameha Highway, Bridge Replacement, Kawela Stream Bridge	Deferred and inflated (by 4% per year) ROW from FFY 2009 to FY 2010. Inflated ROW by \$8,000. The design contract was not ready in FFY 2009.
S81	Leeward Bikeway, Phase 1, Waipio Point Access Road to Hawaii Railroad Society Train Station	Deleted PREROW in FFY 2009; the funds are no longer needed. Deferred and inflated (by 4% per year) CON from FFY 2010 to FFY 2011 to reflect the latest design completion schedule. Inflated CON by \$160,000. DES has not yet begun and ROW acquisition has not yet been precisely determined.
S96	Vineyard Boulevard (Route 98), Improvements, Vicinity of Queen's Medical Center	Deferred and inflated (by 4% per per year) DES and CON from FFY 2009 to FFY 2010. Inflated DES by \$4,000 and CON by \$625,000. The Queen's Medical Center is waiting for federal earmark funds and a project schedule has not yet been developed.

City and County of Honolulu - Sponsored Projects

C01	Alapai Transportation Management Center	Revised cost estimates to reflect anticipated costs. Revised the project description to specify the amounts programmed for the parking structure and transportation management center. Added DES phases to reflect anticipated costs.
C26	Kahuhipa Street Hydro-Modification Device between Kahuhipa Street and Kawa Street	Deferred and inflated (by 4% per year) CON from FFY 2009 to FFY 2010. The project was not ready-to-go in FFY 2009.
C04	Kapiolani Boulevard (Route 7503) Reconstruction, Phases 1 and 2	Added funds for Phase 1 CON in FFY 2011 to reflect anticipated estimates.

**PROJECT
NUMBER PROJECT NAME (Sorted by Project Name)**

REVISION DETAILS

FHWA - Funded Projects

City and County of Honolulu - Sponsored Projects

C06	Makakilo Drive (Route 8810) Extension	Increased DES by \$1,169,000 in FFY 2010 to reflect anticipated costs. Deferred CON from FY 2011 to FFY 2013 because PLN is still ongoing. Decreased CON by \$9,964,000 to reflect anticipated costs. Deleted ADVCON reimbursement.
C10	Traffic Improvements at Various Locations	Deferred and inflated (by 4% per year) CON for the Dillingham Boulevard and Waiakamilo Road location from FFY 2010 to FFY 2011 because the project is not ready-to-go. Revised cost estimates for DES and CON for the various locations.
C12	Traffic Signal Optimization	Deleted Phases 7 through 10. Current optimization work will compete anticipated needs.
C13	Traffic Signals at Various Locations	Added INSP costs to Phase 11 CON in FFY 2009 and advanced Phase 12 CON from FFY 2010 to FFY 2009.

FTA - Funded Projects

City and County of Honolulu - Sponsored Projects

C35	Agency-Provided Trips	Added \$49,000 for OPR in FFY 2009 to reflect actual costs. Added funds in FY 2010 through FFY 2013 to reflect anticipated costs.
C17	Honolulu High Capacity Transit Corridor Project	Reprogrammed funds to apply for a federal grant in FFY 2010.
C36	Local Shuttle Service	Added funds for EQP in FFY 2010 through FFY 2013 to reflect anticipated costs.
C37	Mobility Management Center	Revised programmed amounts in FFY 2009 and added funds to FFYs 2010 through FFY 2013 to reflect actual and anticipated costs.
C20	Preventive Maintenance	Revised cost estimates for OPR in FFY 2009 through FFY 2010 to reflect actual and anticipated costs.
C21	Transfer to FHWA for Vanpool	Revised cost estimated for OPR from FFY 2010 through FFY 2013 to reflect anticipated costs. Revised funding category in FFY 2012 and FFY 2013 to reflect funding source.

S97 Ala Moana Boulevard (Route 92) and Nimitz Highway (Route 92), Resurfacing and Highway Lighting Replacement, Fort Street Mall to Kalakaua Avenue (Route 7612)



TIP Revision #16 Details:

Advanced CON from FFY 2010 to FFY 2009. Actual obligation amount is \$2,900,000 less than previously estimated. ADVCON reimbursement in FFY 2011 was deleted since the project was fully funded in FFY 2009.

Project Description:

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

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

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

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2008			FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2012			FFY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
CON	0	0	0	5,000	4,000	1,000	0	0	0	0	0	0	0	0	0	0	0	0	CMAQ
CON	0	0	0	27,775	21,975	5,800	0	0	0	0	0	0	0	0	0	0	0	0	NHS

S05 Farrington Highway (Route 93), Bridge Replacement, Makaha Bridges #3 and #3A



TIP Revision #16 Details:

Advanced CON from FFY 2013 to FFY 2010. Cost of CON increased by \$2,980,000.

Project Description:

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

Neighborhood(s): Waianae Coast

Estimated Total Project Cost: \$19,000,000

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2008			FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY						Funding Category	
	Total	Federal	Local	FFY 2012			FFY 2013													
	(x\$1000)	Total	Federal	Local	Total	Federal	Local													
ROW	0	0	0	0	0	0	900	720	180	0	0	0	0	0	0	0	0	0	0	Bridge On
CON	0	0	0	0	0	0	16,500	13,200	3,300	0	0	0	0	0	0	0	0	0	0	Bridge On

S06 Farrington Highway (Route 93), Intersection Improvements, Haleakala Avenue (Route 8743)



TIP Revision #16 Details:

Deferred and inflated (by 4% per year) CON from FFY 2010 to FFY 2011. The environmental stage is not yet complete.

Project Description:

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

Neighborhood(s): Waianae Coast

Estimated Total Project Cost: \$3,400,000

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2008			FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2012			FFY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
CON	0	0	0	0	0	0	0	0	0	1,000	800	200	0	0	0	0	0	0	Earmark HP
CON	0	0	0	0	0	0	0	0	0	2,400	1,920	480	0	0	0	0	0	0	HSIP

S08 Farrington Highway (Route 93), Intersection Improvements, Nanakuli Avenue (Route 8744)



TIP Revision #16 Details:

Deferred and inflated (by 4% per year) CON from FFY 2010 to FFY 2011. The environmental stage is not yet complete.

Project Description:

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

Neighborhood(s): Waianae Coast

Estimated Total Project Cost: \$3,400,000

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2008			FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2012			FFY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
CON	0	0	0	0	0	0	0	0	0	3,400	2,720	680	0	0	0	0	0	0	HSIP

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



TIP Revision #16 Details:

Deferred CON from FFY 2010 to FFY 2011 to meet revised DES completion schedule. Deferral will address a state matching fund availability issue. Deferred funds were added on to existing FFY 2011 funding.

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

Estimated Total Project Cost: \$55,000,000

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2008			FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2012			FFY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
CON	0	0	0	0	0	0	0	0	0	7,000	5,600	1,400	3,500	2,800	700	0	0	0	NHS

S107 Interstate Route H-1, Dowel Retrofit, Kaimuki and Palailai Areas



TIP Revision #16 Details:

Advanced CON from FFY 2010 to FFY 2009.

Project Description:

This is a former ARRA-09 backup project that will now be funded with ARRA-09 funds. Project involves slot saw cutting, concrete removal, slot cleaning and preparation, sealing joints and cracks in slot, placing dowel assembly in slot, mixing and placing backfill material, diamond grinding and installation of pavement markings. (Mile Post 2.4 to 3.2 and Mile Post 25 to 26.4)

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

Estimated Total Project Cost: \$12,500,000

Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:

Hawaii Department of Transportation

Phase	FFY 2008			FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2012			FFY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
CON	0	0	0	11,000	11,000	0	0	0	0	0	0	0	0	0	0	0	0	0	ARRA-09

S21 Interstate Route H-1, Kapolei Interchange Complex



TIP Revision #16 Details:

Deferred Phase 2A CON from FFY 2010 to FFY 2011. Advanced Phase 2A CON funds from FFY 2012 to FFY 2011 and added ADVCON reimbursement in FFY 2012. The programmed amounts were adjusted to reflect the latest design schedule.

Project Description:

This is a possible ARRA-09 discretionary project. If ARRA-09 discretionary funding is available, construction for Phase 2B will be advanced as appropriate. The Kapolei Interchange Complex consists of three freeway interchanges: the existing Makakilo and Palailai Interchanges, which will be expanded, and the new Kapolei Interchange. Phase I involved adding a westbound ramp from Makakilo Drive to the H-1 west and installing eastbound on-and off-ramps for the new Kapolei Interchange. Phase 2 involves the completion of the grade-separated Kapolei Interchange. Phase 3 involves constructing at-grade Palailai Interchange ramps. Phase 4 involves completing the grade-separated Palailai Interchange.

Neighborhood(s): Makakilo-Kapolei-Honokai Hale

Estimated Total Project Cost: \$28,000,000

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2008			FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2012			FFY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
<i>Phase 2A</i>																			
CON	0	0	0	0	0	0	0	0	0	1,000	900	100	0	0	0	0	0	0	IM Discret
CON	0	0	0	0	0	0	0	0	0	5,200	0	5,200	0	0	0	0	0	0	NHS
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	4,680	-4,680	0	0	0	NHS
<i>Phase 2B</i>																			
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20,000	18,000	2,000	NHS

S21 Interstate Route H-1, Kapolei Interchange Complex

<i>Phase 3</i>																			
DES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	520	468	52	NHS
ROW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	208	187	21	NHS
<i>Phase 4</i>																			
DES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	500	450	50	NHS
ROW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	180	20	NHS

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



TIP Revision #16 Details:

Changed funding category from Interstate Maintenance funds to Bridge On-System funds. Added ADVCON reimbursement to fully obligate this project in FFY 2009. The remainder that was unavailable in FFY 2009 will be taken from FFY 2010 funds.

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 3 phases.

Neighborhood(s): Pearl City, Aiea

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

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2008			FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY						Funding Category		
	Total	Federal	Local	FFY 2012			FFY 2013														
	(x\$1000)	Total	Federal	Local	Total	Federal	Local														
CON	0	0	0	40,000	32,000	8,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bridge On
ADVCON	0	0	0	0	0	0	0	2,800	-2,800	0	0	0	0	0	0	0	0	0	0	0	Bridge On

S24 Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 2



TIP Revision #16 Details:

Increased CON by \$29,600,000 in FFY 2012. Designated the project as an ARRA backup project. In anticipation that not enough federal funds will be available in FFY 2012 to fully fund this project (without sacrificing another project), ADVCON reimbursement is planned in FFY 2013.

Project Description:

This is an ARRA backup project. Replace, repair, and/or strengthen the Pearl City and Waimalu Viaduct concrete deck and other structural components, including guardrails. Project will be implemented in 3 phases.

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

Neighborhood(s): Pearl City, Aiea

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

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2008			FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY						Funding Category
													FFY 2012			FFY 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	40,000	18,000	22,000	0	0	0	IM
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18,000	-18,000	IM

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



TIP Revision #16 Details:

Decreased CON by \$5,000,000 in FFY 2013 based on updated cost estimates.

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 3 phases.

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

Neighborhood(s): Pearl City, Aiea

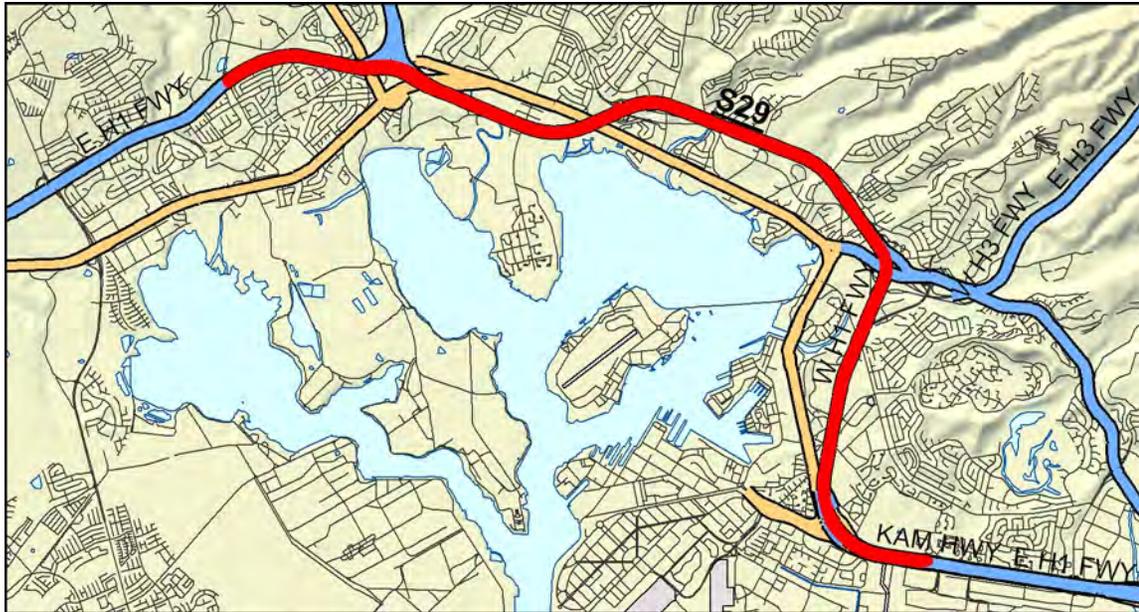
Estimated Total Project Cost: \$100,000,000

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2008			FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2012			FFY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20,000	18,000	2,000	NHS

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



TIP Revision #16 Details:

Increased DES/CON by \$8,638,000 in FFY 2009 to reflect actual obligation amounts. Deleted ADVCON reimbursement in FFY 2010 and FFY 2011 since this project was fully funded in FFY 2009.

Project Description:

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

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

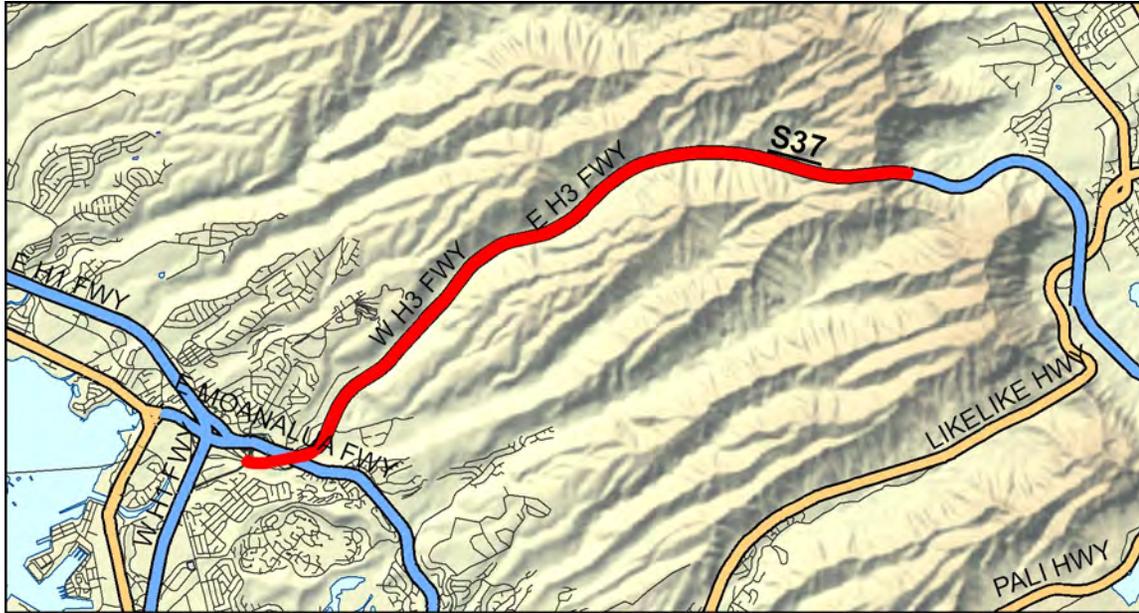
Estimated Total Project Cost: \$55,000,000

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2008			FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY						Funding Category	
													FFY 2012			FFY 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/CON	0	0	0	12,230	11,007	1,223	0	0	0	0	0	0	0	0	0	0	0	0	0	IM
DES/CON	0	0	0	31,555	28,325	3,230	0	0	0	0	0	0	0	0	0	0	0	0	0	NHS
DES/CON	0	0	0	9,853	7,788	2,065	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex

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



TIP Revision #16 Details:

Deferred CON from FFY 2009 to FFY 2010. Project schedule is dependent on advertisement of an earlier phase, Unit VIIB, which has not yet occurred.

Project Description:

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

Neighborhood(s): Aiea

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

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2008			FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2012		FFY 2013													
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
CON	0	0	0	0	0	0	1,800	1,620	180	0	0	0	0	0	0	0	0	0	H-3 Discret

S39 Interstate Routes H-1 and H-2, Destination Sign Upgrade/Replacement, Phase 1 and Phase 2



TIP Revision #16 Details:

Deferred and inflated (by 4% per year) DES from FFY 2009 to FFY 2010. Inflated DES by \$25,000. The design contract is not yet developed.

Project Description:

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

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$6,125,000

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2008			FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2012			FFY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
<i>Phase 1</i>																			
CON	0	0	0	0	0	0	0	0	0	0	0	0	2,808	2,246	562	0	0	0	NHS
<i>Phase 2</i>																			
DES	0	0	0	0	0	0	625	562	63	0	0	0	0	0	0	0	0	0	NHS
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,704	2,434	270	NHS

S43 Kalaniana'ole Highway (Route 72), Improvements, Olomana Golf Course to Waimanalo Beach Park, Phase 1



TIP Revision #16 Details:

Advanced ROW from FFY 2010 to FFY 2009. Actual obligation amounts were \$113,000 less than the previous estimate.

Project Description:

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

Neighborhood(s): Waimanalo, Kailua

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

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2008			FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY						Funding Category	
	Total	Federal	Local	FFY 2012			FFY 2013													
	(x\$1000)	Total	Federal	Local	Total	Federal	Local													
ROW	0	0	0	157	106	51	0	0	0	0	0	0	0	0	0	0	0	0	0	NHS

S45 Kalanianaʻole Highway (Route 72), Improvements, Olomana Golf Course to Waimanalo Beach Park, Phase II, Poalima Street to Aloiloi Street



TIP Revision #16 Details:

Deferred and inflated (by 4% per year) DES from FFY 2010 to FFY 2011. Inflated DES by \$30,000. Deferred to address FFY 2010 priorities and financial constraint.

Project Description:

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

Neighborhood(s): Waimanalo

Estimated Total Project Cost: \$41,030,000

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2008			FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2012			FFY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
DES	0	0	0	0	0	0	0	0	0	810	648	162	0	0	0	0	0	0	NHS

S50 Kamehameha Highway, Bridge Rehabilitation, Kaipapau Stream Bridge



TIP Revision #16 Details:

Deferred and inflated (by 4% per year) ROW from FFY 2009 to FFY 2010. Increased ROW by \$25,000. Increased CON cost estimate by \$5,000,000 in FFY 2010. Project has ROW and permit issues that need to be resolved.

Project Description:

Rehabilitate Kaipapau Stream Bridge on Kamehameha Highway (Route 83).

Neighborhood(s): Koolauloa

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

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2008			FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY						Funding Category	
	Total	Federal	Local	FFY 2012			FFY 2013													
	(x\$1000)	Total	Federal	Local	Total	Federal	Local													
ROW	0	0	0	0	0	0	545	436	109	0	0	0	0	0	0	0	0	0	0	Bridge On
CON	0	0	0	0	0	0	13,800	11,040	2,760	0	0	0	0	0	0	0	0	0	0	Bridge On

S61 Kamehameha Highway, Bridge Replacement, Kawela Stream Bridge



TIP Revision #16 Details:

Deferred and inflated (by 4% per year) ROW from FFY 2009 to FY 2010. Inflated ROW by \$8,000. The design contract was not ready in FFY 2009.

Project Description:

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

Neighborhood(s): Koolauloa

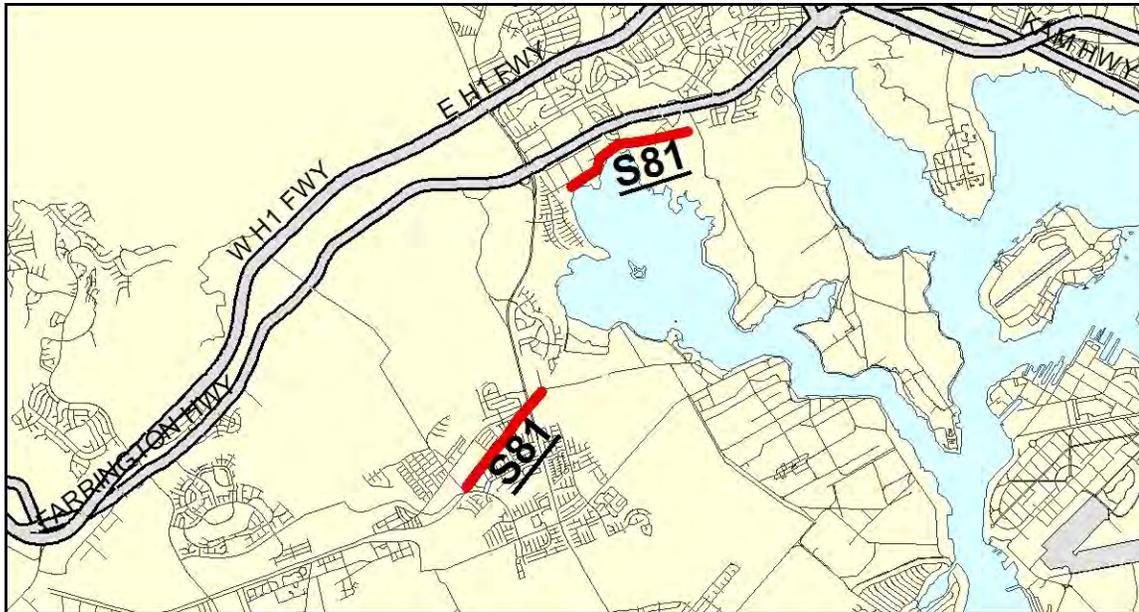
Estimated Total Project Cost: \$10,008,000

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2008			FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY						Funding Category	
													FFY 2012			FFY 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	208	166	42	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	8,653	6,922	1,731	0	0	0	0	Bridge On

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



TIP Revision #16 Details:

Deleted PREROW in FFY 2009; the funds are no longer needed. Deferred and inflated (by 4% per year) CON from FFY 2010 to FFY 2011 to reflect the latest design completion schedule. Inflated CON by \$160,000. DES has not yet begun and ROW acquisition has not yet been precisely determined.

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

Estimated Total Project Cost: \$10,160,000

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2008			FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY						Funding Category	
	Total	Federal	Local	FFY 2012			FFY 2013													
	(x\$1000)	Total	Federal	Local	Total	Federal	Local													
ROW	0	0	0	0	0	0	750	600	150	0	0	0	0	0	0	0	0	0	0	Enhance
CON	0	0	0	0	0	0	0	0	0	4,160	3,328	832	0	0	0	0	0	0	0	Enhance

S96 Vineyard Boulevard (Route 98), Improvements, Vicinity of Queen's Medical Center



TIP Revision #16 Details:

Deferred and inflated (by 4% per per year) DES and CON from FFY 2009 to FFY 2010. Inflated DES by \$4,000 and CON by \$625,000. The Queen's Medical Center is waiting for federal earmark funds and a project schedule has not yet been developed.

Project Description:

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

Neighborhood(s): Downtown

Estimated Total Project Cost: \$11,030,000

Project Sponsor: State of Hawaii (FHWA Funded)

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

Phase	FFY 2008			FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY						Funding Category	
	Total	Federal	Local	FFY 2012			FFY 2013													
	(x\$1000)	Total	Federal	Local	Total	Federal	Local													
DES	0	0	0	0	0	0	30	0	30	0	0	0	0	0	0	0	0	0	0	Local Only
CON	0	0	0	0	0	0	11,000	0	11,000	0	0	0	0	0	0	0	0	0	0	Local Only

C01 Alapai Transportation Management Center



TIP Revision #16 Details:

Revised cost estimates to reflect anticipated costs. Revised the project description to specify the amounts programmed for the parking structure and transportation management center. Added DES phases to reflect anticipated costs.

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. FFY 2008: design development. FFY 2009: design/build contract of the building. FFY 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

Estimated Total Project Cost: \$113,641,000

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

Agency Responsible for Carrying Out Project/Phase:

City Department of Transportation Services

Phase	FFY 2008			FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY						Funding Category	
	Total	Federal	Local	FFY 2012			FFY 2013													
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)														
PLN/DES-1	13,540	6,896	6,644	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
PLN/DES-2	0	0	0	6,700	1,200	5,500	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
<i>Center - Phase 1A</i>																				
DES	0	0	0	0	0	0	3,000	2,400	600	0	0	0	0	0	0	0	4,000	0	4,000	STP Flex
<i>Center - Phase 1B</i>																				
DES	0	0	0	0	0	0	0	0	0	3,338	2,670	668	0	0	0	0	0	0	0	STP Flex

C01 Alapai Transportation Management Center

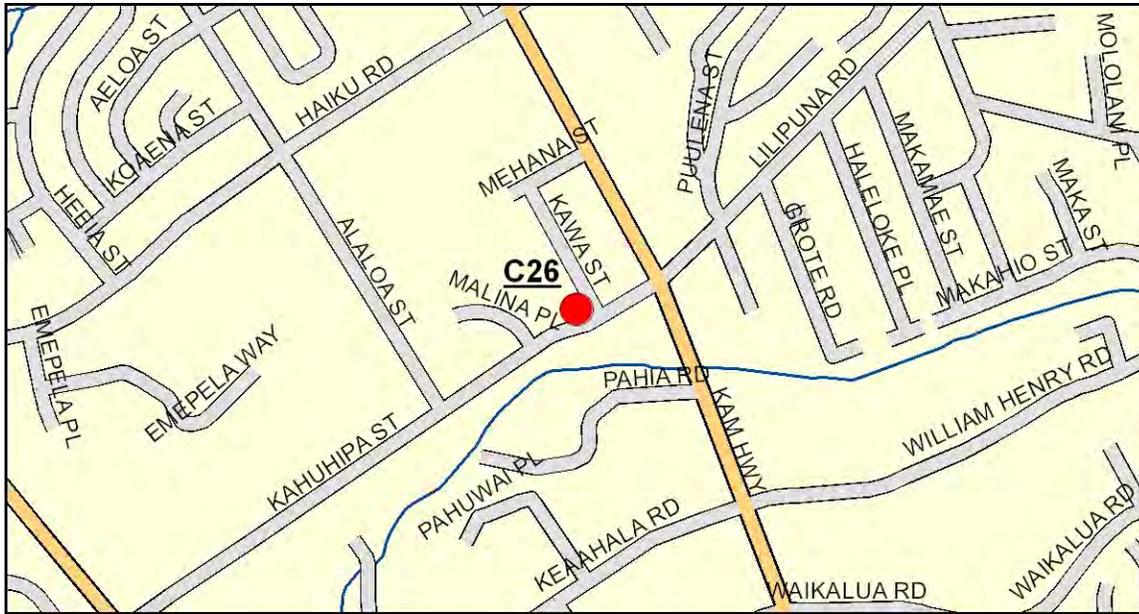
Center - Phase 2

DES	0	0	0	0	0	0	0	0	0	0	0	0	3,600	2,880	720	0	0	0	STP Flex
CON	0	0	0	0	0	0	0	0	0	0	0	0	29,050	5,223	23,827	29,350	0	29,350	STP Flex

Parking Structure

PLN	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	Local Only
DES	0	0	0	0	0	0	0	0	362	0	362	9,500	0	9,500	0	0	0	0	STP Flex
CON	0	0	0	0	0	0	0	0	8,375	0	8,375	2,825	0	2,825	0	0	0	0	STP Flex

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



TIP Revision #16 Details:

Deferred and inflated (by 4% per year) CON from FFY 2009 to FFY 2010. The project was not ready-to-go in FFY 2009.

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

Estimated Total Project Cost: \$660,000

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

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

Phase	FFY 2008			FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY						Funding Category	
	Total	Federal	Local	FFY 2012			FFY 2013													
	(x\$1000)	Total	Federal	Local	Total	Federal	Local													
CON	0	0	0	0	0	0	660	373	287	0	0	0	0	0	0	0	0	0	0	Enhance

C04 Kapiolani Boulevard (Route 7503) Reconstruction, Phases 1 and 2



TIP Revision #16 Details:

Added funds for Phase 1 CON in FFY 2011 to reflect anticipated estimates.

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.

Phase 1: South Street to Ward Avenue

Phase 2: Ward Avenue to Kalakaua Avenue

Neighborhood(s): Ala Moana-Kakaako

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

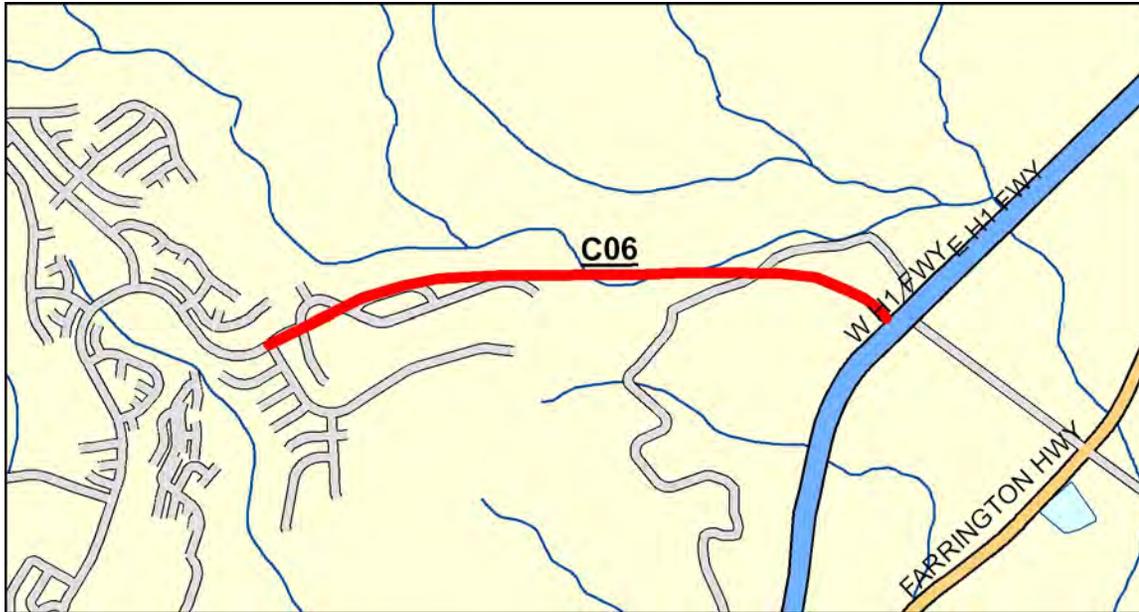
Project Sponsor: City and County of Honolulu (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:

City Department of Design and Construction

Phase	FFY 2008			FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2012			FFY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
<i>Phase 1: South Street to Ward Avenue</i>																			
CON	0	0	0	0	0	0	7,730	6,185	1,545	6,038	4,830	1,208	0	0	0	0	0	0	
ADVCON	0	0	0	0	0	0	6,570	0	6,570	0	5,255	-5,255	0	0	0	0	0	0	
<i>Phase 2: Ward Avenue to Kalakaua Avenue</i>																			
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37,700	30,160	7,540	

C06 Makakilo Drive (Route 8810) Extension



TIP Revision #16 Details:

Increased DES by \$1,169,000 in FFY 2010 to reflect anticipated costs. Deferred CON from FY 2011 to FFY 2013 because PLN is still ongoing. Decreased CON by \$9,964,000 to reflect anticipated costs. Deleted ADVCON reimbursement.

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

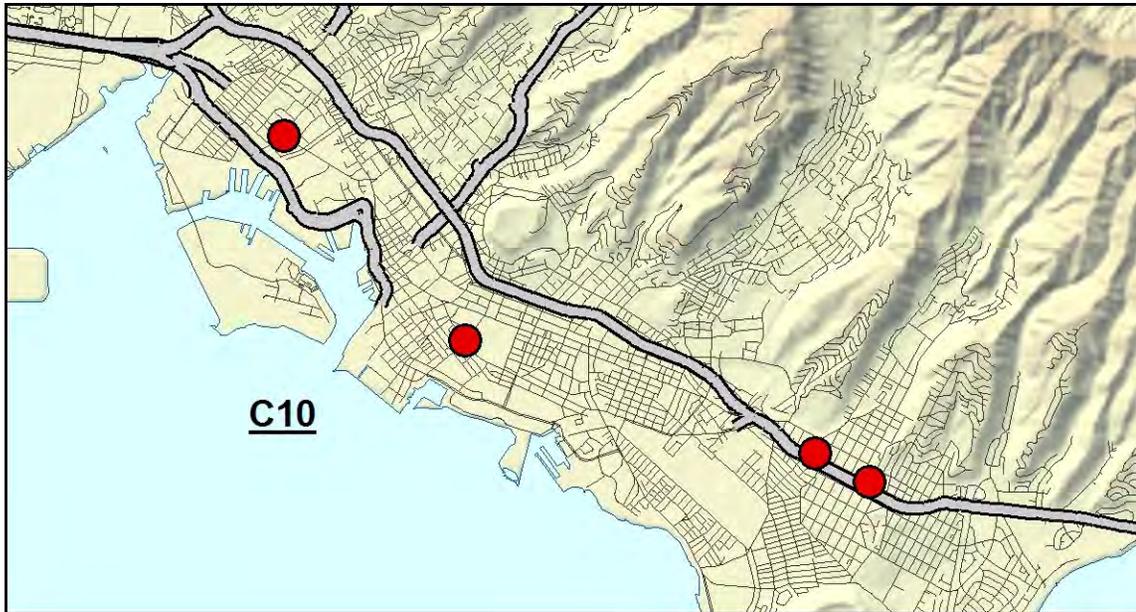
Estimated Total Project Cost: \$32,383,000

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

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

Phase	FFY 2008			FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2012			FFY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
DES	0	0	0	0	0	0	6,469	3,469	3,000	0	0	0	0	0	0	0	0	0	STP Flex
ROW	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	Local Only
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25,914	13,971	11,943	STP Flex

C10 Traffic Improvements at Various Locations



TIP Revision #16 Details:

Deferred and inflated (by 4% per year) CON for the Dillingham Boulevard and Waiakamilo Road location from FFY 2010 to FFY 2011 because the project is not ready-to-go. Revised cost estimates for DES and CON for the various locations.

Project Description:

This is an ARRA-funded project. Project will provide for traffic congestion relief and improve traffic safety at the locations specified below.

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$13,220,000
(for FFYs 2008-2013 only)

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

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

Phase	FFY 2008			FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2012			FFY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
PLN	0	0	0	0	0	0	0	0	0	50	0	50	50	0	50	50	0	50	STP Flex
ROW	0	0	0	0	0	0	0	0	0	50	0	50	50	0	50	50	0	50	STP Flex
<i>a. Harding Avenue at 5th and 11th Avenues</i>																			
CON	0	0	0	2,800	2,800	0	0	0	0	0	0	0	0	0	0	0	0	0	ARRA-09
INSP	100	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
<i>b. Dillingham Boulevard (Route 7401) and North King Street (Route 7401)</i>																			
PLN	200	0	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
DES	990	620	370	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
ROW	100	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
<i>c. Dillingham Boulevard (Route 7401) and Waiakamilo Road (Route 7411)</i>																			
DES	0	0	0	200	160	40	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
CON	0	0	0	0	0	0	0	0	0	1,438	998	440	0	0	0	0	0	0	STP Flex

C10 Traffic Improvements at Various Locations

d. Ward Avenue (Route 7511) and Kapiolani Boulevard (Route 7503)

CON	0	0	0	0	0	0	1,040	832	208	0	0	0	0	0	0	0	0	0	STP Flex
-----	---	---	---	---	---	---	-------	-----	-----	---	---	---	---	---	---	---	---	---	----------

e. Location to be Determined

DES	0	0	0	362	0	362	0	0	0	1,030	0	1,030	0	0	0	0	0	0	STP Flex
-----	---	---	---	-----	---	-----	---	---	---	-------	---	-------	---	---	---	---	---	---	----------

CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----------

f. Location to be Determined

DES	0	0	0	0	0	0	0	0	0	0	0	0	400	0	400	0	0	0	STP Flex
-----	---	---	---	---	---	---	---	---	---	---	---	---	-----	---	-----	---	---	---	----------

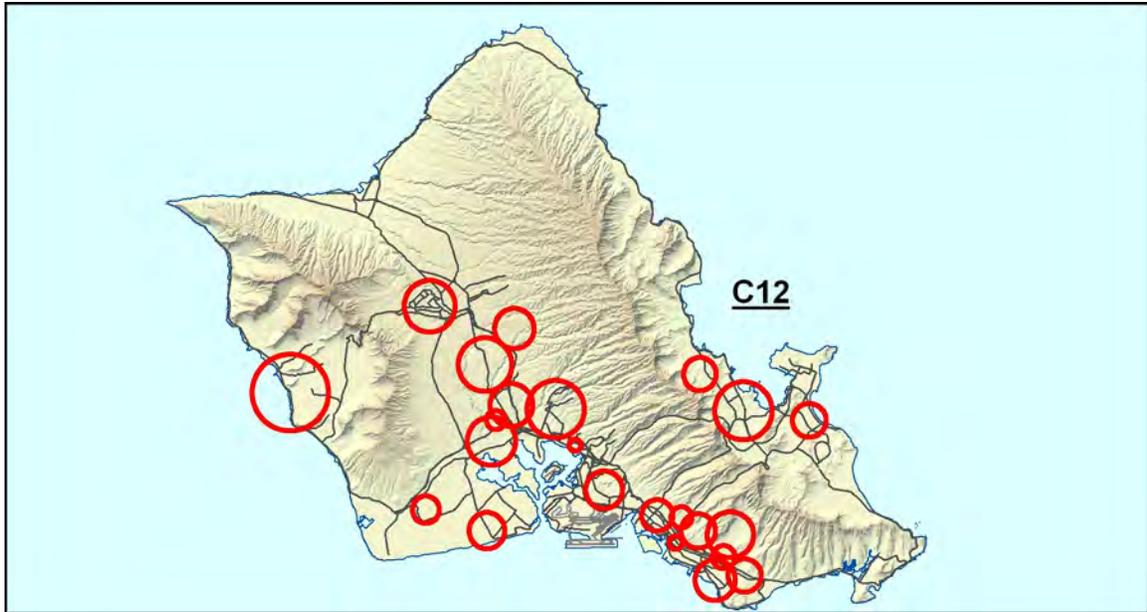
CON	0	0	0	0	0	0	0	0	0	0	0	0	1,930	960	970	0	0	0	STP Flex
-----	---	---	---	---	---	---	---	---	---	---	---	---	-------	-----	-----	---	---	---	----------

g. Location to be Determined

DES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	400	0	400	STP Flex
-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	-----	---	-----	----------

CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,930	960	970	STP Flex
-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	-------	-----	-----	----------

C12 Traffic Signal Optimization



TIP Revision #16 Details:

Deleted Phases 7 through 10. Current optimization work will compete anticipated needs.

Project Description:

Analyze, develop, and implement new optimized signal timing plans on various roadways to improve the flow of vehicular traffic.
 FFY 2008: Waipio area, Farrington Highway (Waianae) area, Pearl City area, Kalihi area, Ewa Beach area, and Schofield area.
 FFY 2009: Pearl Ridge area, Waipahu area, Mililani Mauka area, Mililani Town area, Manoa area, and Nuuanu area.

Neighborhood(s): Various Locations

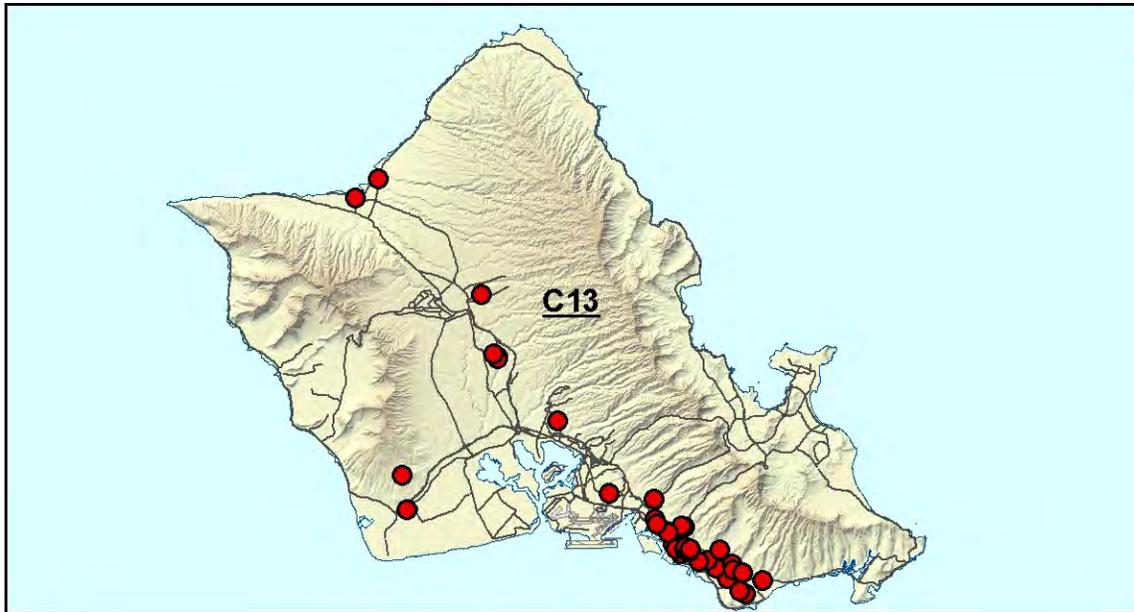
Estimated Total Project Cost: \$2,750,000
 (for FFYs 2008-2013 only)

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

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

Phase	FFY 2008			FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY						Funding Category		
	Total	Federal	Local	FFY 2012			FFY 2013														
	(x\$1000)	Total	Federal	Local	Total	Federal	Local														
<i>Phase 05</i>																					
DES	1,500	1,000	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
<i>Phase 06</i>																					
DES	0	0	0	1,250	1,000	250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex

C13 Traffic Signals at Various Locations



TIP Revision #16 Details:

Added INSP costs to Phase 11 CON in FFY 2009 and advanced Phase 12 CON from FFY 2010 to FFY 2009.

Project Description:

This is an ARRA-funded project. 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. Project work is warranted by the Manual on Uniform Traffic Control Devices (MUTCD) and selected annually.

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$21,359,000
(for FFYs 2008-2013 only)

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

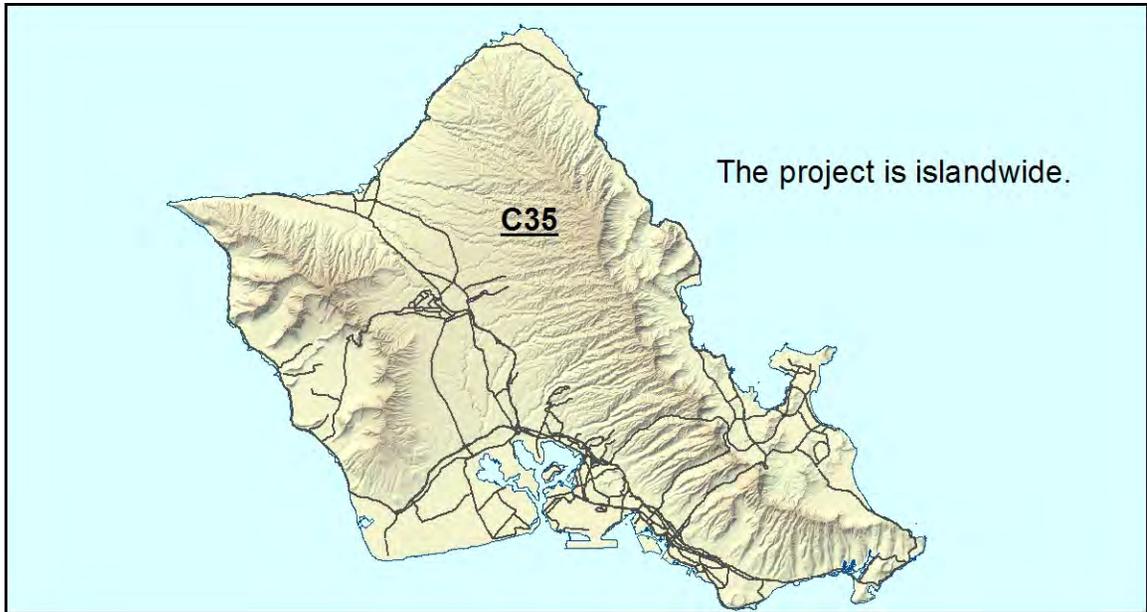
Agency Responsible for Carrying Out Project/Phase:
City Department of Transportation Services

Phase	FFY 2008			FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2012			FFY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
<i>Phase 10</i>																			
CON	0	0	0	4,000	4,000	0	0	0	0	0	0	0	0	0	0	0	0	0	ARRA-09
<i>Phase 11</i>																			
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	3,145	2,500	645	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex

C13 Traffic Signals at Various Locations

<i>Phase 12</i>																			
DES	0	0	0	250	200	50	0	0	0	0	0	0	0	0	0	0	0	STP Flex	
CON	0	0	0	0	0	0	3,145	2,500	645	0	0	0	0	0	0	0	0	STP Flex	
<i>Phase 13</i>																			
DES	0	0	0	0	0	0	250	200	50	0	0	0	0	0	0	0	0	STP Flex	
CON	0	0	0	0	0	0	0	0	0	3,145	2,500	645	0	0	0	0	0	STP Flex	
<i>Phase 14</i>																			
DES	0	0	0	0	0	0	0	0	0	250	200	50	0	0	0	0	0	STP Flex	
CON	0	0	0	0	0	0	0	0	0	0	0	0	3,145	2,500	645	0	0	STP Flex	
<i>Phase 15</i>																			
DES	0	0	0	0	0	0	0	0	0	0	0	0	250	200	50	0	0	STP Flex	
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,126	2,500	626	
<i>Phase 16</i>																			
DES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	250	200	50	STP Flex

C35 Agency-Provided Trips



TIP Revision #16 Details:

Added \$49,000 for OPR in FFY 2009 to reflect actual costs.
 Added funds in FY 2010 through FFY 2013 to reflect anticipated costs.

Project Description:

To provide operating funds to selected human service agencies to operate transportation services. This project would help reduce the number of trips on TheHandi-Van. The result of this service by agencies, funded through a combination of New Freedom and City and County of Honolulu transportation funds, would reduce overall operating costs while improving service quality for riders of both the agency services and those still riding TheHandi-Van.

Neighborhood(s): Islandwide

Estimated Total Project Cost: \$2,118,000

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

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

Phase	FFY 2008			FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2012			FFY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
OPR	0	0	0	0	0	0	85	42	43	89	44	45	93	46	47	97	48	49	\$5316 JARC-Urban
OPR	0	0	0	249	149	100	394	214	180	360	171	189	351	152	199	436	227	209	\$5317 NF-Urban

C17 Honolulu High Capacity Transit Corridor Project



TIP Revision #16 Details:

Reprogrammed funds to apply for a federal grant in FFY 2010.

Project Description:

This is an ARRA-funded project. Plan, design, construct, inspect, relocate, and acquire land and equipment for a fixed guideway system.

Neighborhood(s): Various Locations

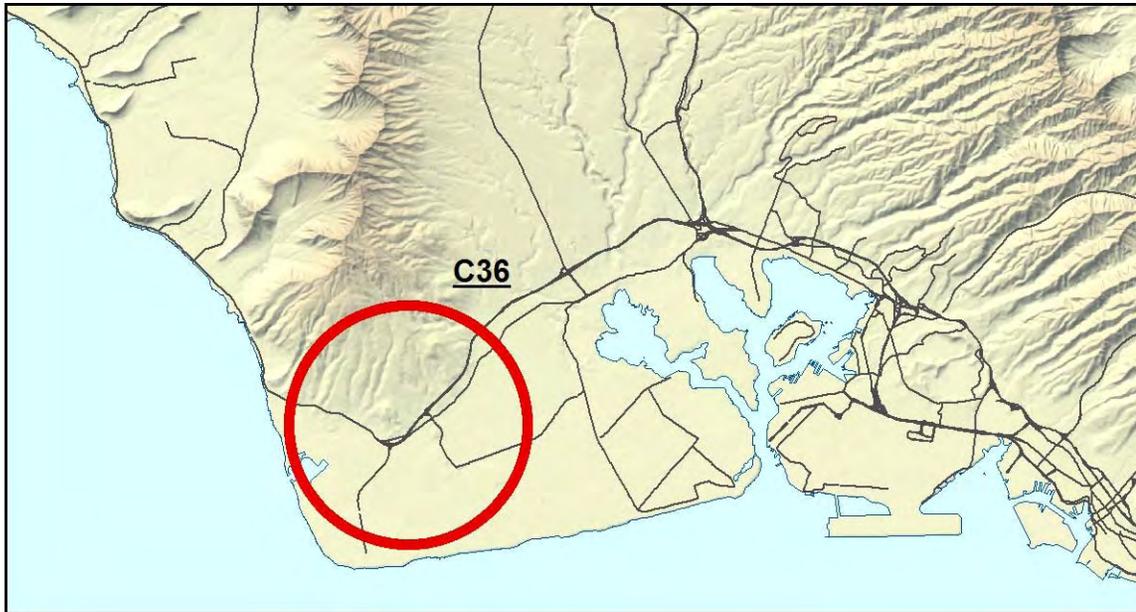
Estimated Total Project Cost: \$4,420,859,000
(for FFYs 2008-2013 only)

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

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

Phase	FFY 2008			FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2012			FFY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
PLN	5,000	0	5,000	5,000	0	5,000	20,000	0	20,000	0	0	0	0	0	0	0	0	0	Local Only
DES	0	0	0	0	0	0	48,697	35,040	13,657	0	0	0	0	0	0	0	0	0	\$5309 NS
DES	0	0	0	4,000	4,000	0	0	0	0	0	0	0	0	0	0	0	0	0	ARRA-09 TCA
DES	80,000	0	80,000	0	0	0	115,095	0	115,095	60,070	0	60,070	0	0	0	0	0	0	Local Only
ROW	0	0	0	0	0	0	31,279	0	31,279	37,096	0	37,096	38,880	0	38,880	39,816	0	39,816	Local Only
CON	0	0	0	0	0	0	0	0	0	0	0	0	313,167	25,000	288,167	313,167	75,000	238,167	\$5309 NS
CON	0	0	0	0	0	0	969,074	0	969,074	921,085	0	921,085	0	0	0	0	0	0	Local Only
EQP	0	0	0	0	0	0	10,488	0	10,488	886,090	200,000	686,090	175,000	175,000	0	125,000	125,000	0	\$5309 NS
REL	0	0	0	0	0	0	3,476	0	3,476	4,123	0	4,123	4,425	0	4,425	613	0	613	Local Only
INSP	0	0	0	0	0	0	56,966	0	56,966	89,604	0	89,604	58,389	0	58,389	5,259	0	5,259	Local Only

C36 Local Shuttle Service



TIP Revision #16 Details:

Added funds for EQP in FFY 2010 through FFY 2013 to reflect anticipated costs.

Project Description:

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

Neighborhood(s): Makakilo-Kapolei-Honokai Hale

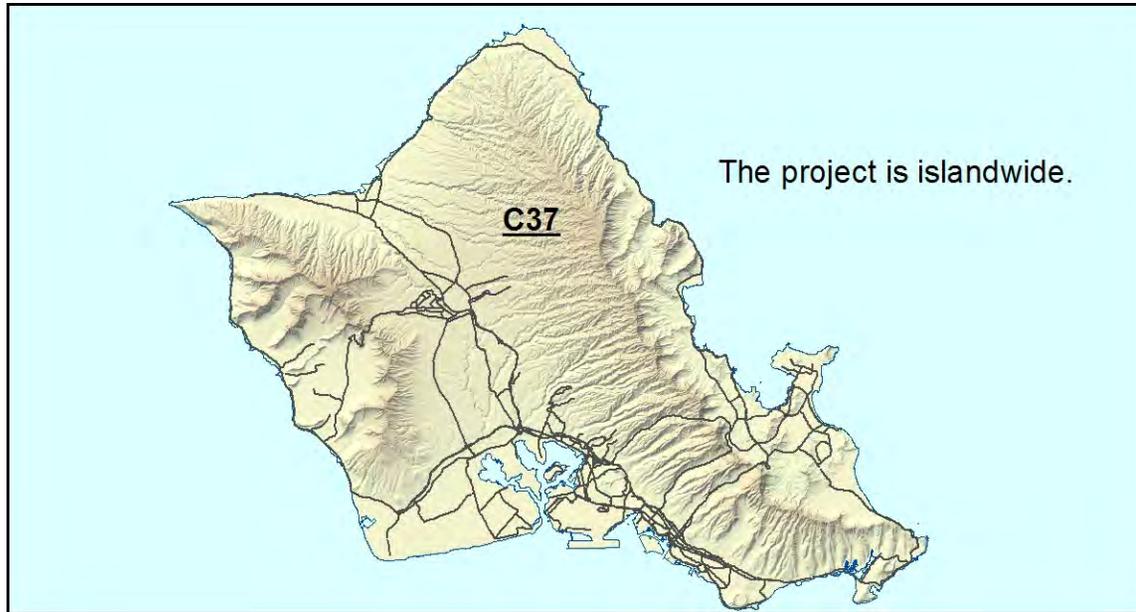
Estimated Total Project Cost: \$894,000

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

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

Phase	FFY 2008						FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY						Funding Category
	Total		Federal	Local	Total		Federal	Local														
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)																	
EQP	0	0	0	35	28	7	99	49	50	209	104	105	216	105	111	221	105	116		\$5316 JARC-Urban		
OPR	0	0	0	96	48	48	0	0	0	0	0	0	0	0	0	0	0	0		\$5316 JARC-Urban		

C37 Mobility Management Center



TIP Revision #16 Details:

Revised programmed amounts in FFY 2009 and added funds to FFYs 2010 through FFY 2013 to reflect actual and anticipated costs.

Project Description:

To coordinate transit and human service transportation to improve access to transportation for seniors, people with disabilities, and persons with low incomes.

Neighborhood(s): Islandwide

Estimated Total Project Cost: \$3,305,000

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

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

Phase	FFY 2008			FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2012			FFY 2013												
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)													
OPR	0	0	0	68	54	14	74	59	15	138	110	28	144	115	29	152	122	30	\$5307 JARC-SmUrb
OPR	0	0	0	59	47	12	63	50	13	116	93	23	122	98	24	128	64	64	\$5307 NF-SmUrb
OPR	0	0	0	380	321	59	333	293	40	278	204	74	282	204	78	330	248	82	\$5316 JARC-Urb
OPR	0	0	0	0	0	0	0	0	0	65	50	15	70	50	20	8	6	2	\$5316 JARC-Urb
OPR	0	0	0	124	99	25	13	10	3	25	20	5	26	21	5	27	22	5	\$5317 NF-Urb
OPR	0	0	0	0	0	0	0	0	0	75	60	15	100	80	20	7	6	1	\$5317 NF-Urb

C20 Preventive Maintenance



TIP Revision #16 Details:

Revised cost estimates for OPR in FFY 2009 through FFY 2010 to reflect actual and anticipated costs.

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

Estimated Total Project Cost: \$225,708,000
(for FFYs 2008-2013 only)

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

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

Phase	FFY 2008			FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2012			FFY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
OPR	37,092	21,000	16,092	37,204	21,000	16,204	37,462	21,146	16,316	37,721	21,292	16,429	37,983	21,440	16,543	38,246	21,588	16,658	\$5307/\$5340



TIP Revision #16 Details:

Revised cost estimated for OPR from FFY 2010 through FFY 2013 to reflect anticipated costs. Revised funding category in FFY 2012 and FFY 2013 to reflect funding source.

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

Estimated Total Project Cost: \$11,464,000
(for FFYs 2008-2013 only)

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

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

Phase	FFY 2008			FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY						Funding Category
	Total	Federal	Local	FFY 2012			FFY 2013												
	(x\$1000)	Total	Federal	Local	Total	Federal	Local												
OPR	1,548	1,548	0	1,955	1,955	0	1,969	1,969	0	1,982	1,982	0	1,996	1,996	0	2,010	2,010	0	\$5307/\$5340

FYs 2008-2011 TIP REVISION #16 FUNDING SUMMARY

	FFY 2008			FFY 2009			FFY 2010			FFY 2011			FOR INFORMATION ONLY					
													FFY 2012			FFY 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)									
FHWA-FUNDED PROJECTS																		
<u>State of Hawaii - Sponsored Projects</u>																		
As of Revision #15	47,691	38,977	8,714	131,838	93,525	38,313	257,138	89,956	167,182	20,348	63,659	(43,311)	153,333	164,859	(11,526)	163,084	141,486	21,598
Revision #16 Changes	0	0	0	38,949	53,385	(14,436)	(27,085)	(12,710)	(14,375)	21,470	(15,559)	37,029	24,192	8,453	15,739	(18,520)	2,684	(21,204)
Total as of Revision #16	47,691	38,977	8,714	170,787	146,910	23,877	230,053	77,246	152,807	41,818	48,100	(6,282)	177,525	173,312	4,213	144,564	144,170	394
<u>C&C of Honolulu - Sponsored Projects</u>																		
As of Revision #15	18,043	9,516	8,527	29,585	19,888	9,697	45,770	31,657	14,113	106,186	22,331	83,855	21,696	24,663	(2,967)	47,439	45,273	2,166
Revision #16 Changes	0	0	0	(1,125)	(348)	(777)	(621)	(418)	(203)	(77,727)	(2,518)	(75,209)	45,412	0	45,412	59,889	6,018	53,871
Total as of Revision #16	18,043	9,516	8,527	28,460	19,540	8,920	45,149	31,239	13,910	28,459	19,813	8,646	67,108	24,663	42,445	107,328	51,291	56,037
TOTAL FHWA	65,734	48,493	17,241	199,247	166,450	32,797	275,202	108,485	166,717	70,277	67,913	2,364	244,633	197,975	46,658	251,892	195,461	56,431
FTA-FUNDED PROJECTS																		
<u>State of Hawaii - Sponsored Projects</u>																		
As of Revision #15	0	0	0	0	0	0	0	0	0	163	126	37	172	133	39	179	139	40
Revision #16 Changes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total as of Revision #16	0	0	0	0	0	0	0	0	0	163	126	37	172	133	39	179	139	40
<u>C&C of Honolulu - Sponsored Projects</u>																		
As of Revision #15	163,065	39,073	123,992	331,626	94,517	237,109	1,168,663	54,026	1,114,637	2,021,927	236,141	1,785,786	669,351	247,341	422,010	565,110	245,075	320,035
Revision #16 Changes	0	0	0	(221,444)	(15,055)	(206,389)	176,534	16,235	160,299	40,260	1,210	39,050	(3,655)	1,245	(4,900)	(5,141)	1,231	(6,372)
Total as of Revision #16	163,065	39,073	123,992	110,182	79,462	30,720	1,345,197	70,261	1,274,936	2,062,187	237,351	1,824,836	665,696	248,586	417,110	559,969	246,306	313,663
TOTAL FTA	163,065	39,073	123,992	110,182	79,462	30,720	1,345,197	70,261	1,274,936	2,062,350	237,477	1,824,873	665,868	248,719	417,149	560,148	246,445	313,703

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