

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

**REVISION #21
Pre-Approved Administrative Modification**

June 2010

This TIP revision is being done to remove all references to potential ARRA-2 funding. Funding does not appear imminent. FFYs 2008-2011 TIP Revision #20 is rescinded.



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ABBREVIATIONS

OVERALL ABBREVIATIONS

DTS	City and County of Honolulu Department of Transportation Services
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
FFY	Federal Fiscal Year (October to 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
ARRA-2	Potential Second Recovery Bill ¹
Bridge Off	Bridge Off-System
Bridge On	Bridge On-System
CMAQ	Congestion Mitigation and Air Quality Improvement Program
Earmark HP	Earmark High Priority
Enhance	Transportation Enhancement
FHWA X-fer	Transfer from FTA to FHWA
H-3 Discret	H-3 Discretionary Funds
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

¹ References to potential ARRA-2 funding are being removed in this TIP revision.

FTA Funding Categories

ARRA-09 TCA	2009 American Recovery & Reinvestment Act Transit Capital Assistance
§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
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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 #21
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 <i>(Sorted by Project Name)</i>	REVISION DETAILS
FHWA - Funded Projects		
<u>State of Hawaii - Sponsored Projects</u>		
S108	Interstate Route H-1, Installation of Access Controls, Vicinity of Palailai Interchange to Vicinity of H-1/H-2 Interchange	Revised project description to remove references to potential ARRA-2 funding.
S21	Interstate Route H-1, Kapolei Interchange Complex	Revised project description to indicate that this is a potential TIGER II project and removed references to potential ARRA-2 funding. Deleted Phase 2A ADVCON reimbursement in FFY 2012, because it will not be needed if TIGER II funds are received.
S24	Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 2	Revised project description to remove references to potential ARRA-2 funding.
S32	Interstate Route H-1, Seismic Retrofit, Pali Highway (Route 61) Overpass, Ramp and Pali Highway - Nuuanu Avenue Separation	Revised project description to remove references to potential ARRA-2 funding.
S42	Kalaniana'ole Highway (Route 72), Bicycle Improvements, Waimanalo Beach Park to the Makai Pier	Revised project description to remove references to potential ARRA-2 funding.
<u>City and County of Honolulu - Sponsored Projects</u>		
C03	Computerized Traffic Control System	Revised project description to remove references to potential ARRA-2 funding. Advanced Phase 10 CON from FFY 2011 to FFY 2010. Added Phase 13 CON in FFY 2011. Changed funding category for Phase 12 CON from ARRA-2 to STP Flexible in FFY 2010.
C40	Kamokila Boulevard (Route 8915) Restoration Project	Revised project description to remove references to potential ARRA-2 funding. Deleted \$9.8 million in ARRA-2 CON funds in FFY 2010.
FTA - Funded Projects		
<u>City and County of Honolulu - Sponsored Projects</u>		
C16	Bus and Handi-Van Acquisition Program	Deleted \$28.23 million ARRA-2 funds for EQP in FFY 2010. Revised the number of bus purchases in FFY 2010 accordingly.

S108 Interstate Route H-1, Installation of Access Controls, Vicinity of Palailai Interchange to Vicinity of H-1/H-2 Interchange



TIP Revision #21 Details:

Revised project description to remove references to potential ARRA-2 funding.

Project Description:

This is an ARRA backup project. Replace and/or install upgraded access control chain link fence along Interstate Route H-1 from the vicinity of the Palailai Interchange to the vicinity of the Interstate Route H-1/Interstate Route H-2 Interchange. This includes replacing existing barbed wire that was installed to keep livestock out of the freeway. Due to the change in land use and diversified development in the area, fencing will be upgraded to meet current land use conditions.

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

Estimated Total Project Cost: \$2,750,000

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	2,750	0	2,750	0	0	0	0	0	0	0	0	0	0	Local Only

S21 Interstate Route H-1, Kapolei Interchange Complex



TIP Revision #21 Details:

Revised project description to indicate that this is a potential TIGER II project and removed references to potential ARRA-2 funding. Deleted Phase 2A ADVCON reimbursement in FFY 2012, because it will not be needed if TIGER II funds are received.

Project Description:

This is an ARRA backup project and potential TIGER-II project. 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: \$38,000,000

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	1,000	900	100	0	0	0	0	0	0	0	0	0	IM Discret
CON	0	0	0	0	0	0	15,000	0	15,000	0	0	0	0	0	0	0	0	0	Local Only
<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

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



TIP Revision #21 Details:

Revised project description to remove references to potential ARRA-2 funding.

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
	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	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

S32 Interstate Route H-1, Seismic Retrofit, Pali Highway (Route 61) Overpass, Ramp and Pali Highway - Nuuanu Avenue Separation



TIP Revision #21 Details:

Revised project description to remove references to potential ARRA-2 funding.

Project Description:

This is an ARRA backup project. Retrofit interchange structure to meet current seismic standards.

Neighborhood(s): Nuuanu-Punchbowl, Downtown

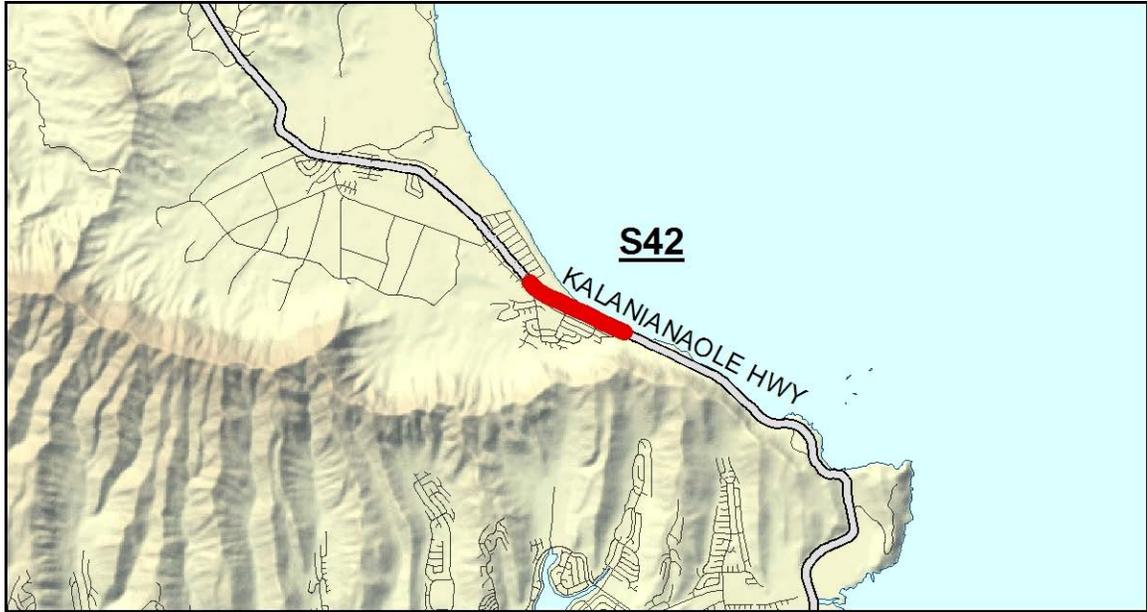
Estimated Total Project Cost: \$4,250,000

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	3,500	0	3,500	0	0	0	0	0	0	0	0	0	Local Only

S42 Kalaniana'ole Highway (Route 72), Bicycle Improvements, Waimanalo Beach Park to the Makai Pier



TIP Revision #21 Details:

Revised project description to remove references to potential ARRA-2 funding.

Project Description:

This is an ARRA backup project. Improve bike route on Kalaniana'ole Highway, from Waimanalo Beach Park to the Makai Pier

Neighborhood(s): Waimanalo

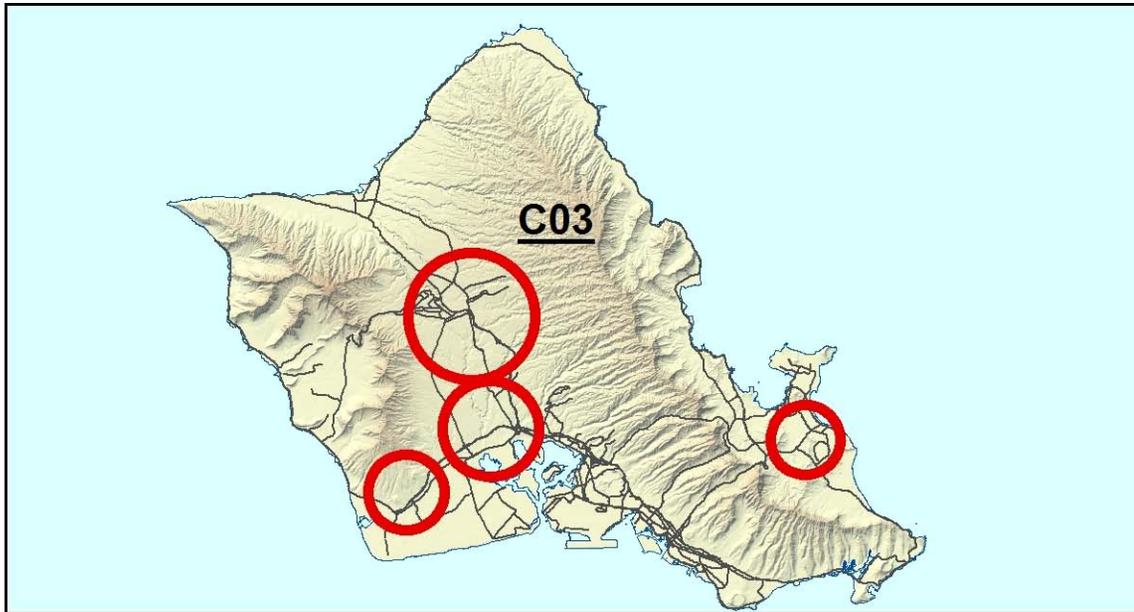
Estimated Total Project Cost: \$2,833,000

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	250	200	50	0	0	0	0	0	0	0	0	0	Earmark HP
CON	0	0	0	0	0	0	2,128	1,702	426	0	0	0	0	0	0	0	0	0	Enhance

C03 Computerized Traffic Control System



TIP Revision #21 Details:

Revised project description to remove references to potential ARRA-2 funding. Advanced Phase 10 CON from FFY 2011 to FFY 2010. Added Phase 13 CON in FFY 2011. Changed funding category for Phase 12 CON from ARRA-2 to STP Flexible in FFY 2010.

Project Description:

This is an ARRA backup project. Should ARRA funds become available, the funds will be used for the project in the Kapolei, Makakilo, and/or Kailua areas. 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. Project locations are listed below.

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$21,106,000
(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	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
EQP	1	0	1	6	0	6	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: Kailua</i>																				
CON	0	0	0	0	0	0	3,180	2,400	780	0	0	0	0	0	0	0	0	0	0	STP Flex
<i>Phase 11: Kapolei, Makakilo</i>																				
CON	0	0	0	3,170	2,400	770	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex

C40 Kamokila Boulevard (Route 8915) Restoration Project



TIP Revision #21 Details:

Revised project description to remove references to potential ARRA-2 funding. Deleted \$9.8 million in ARRA-2 CON funds in FFY 2010.

Project Description:

This is an ARRA-09 funded project. To construct and inspect street improvements on Kamokila Boulevard from Kapolei Parkway continuing to Farrington Highway and Kapouka Place and on Kapolei Parkway from Kamokila Boulevard to approximately 450' west of Kalaeloa Boulevard.

Neighborhood(s): Makakilo-Kapolei-Honokai Hale

Estimated Total Project Cost: \$6,600,000

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	2,380	2,380	0	0	0	0	0	0	0	0	0	0	ARRA-09
CON	0	0	0	0	0	0	4,220	3,376	844	0	0	0	0	0	0	0	0	0	STP Flex

C16 Bus and Handi-Van Acquisition Program



TIP Revision #21 Details:

Deleted \$28.23 million ARRA-2 funds for EQP in FFY 2010.
Revised the number of bus purchases in FFY 2010 accordingly.

Project Description:

This is an ARRA-09 funded project. Purchase replacement transit buses and Handi-Van vehicles.

FFY 2008: 10-60' buses + 10-35' buses.

FFY 2009: 25-40' buses + 20-60' hybrid articulated buses + 40 <30' buses.

FFY 2010: 28-40' buses + 35 <30' buses.

FFY 2011: 10 >40' buses + 18-40' buses + 35 <30' buses.

FFY 2012: 14-60' buses + 30-40' buses + 30 <30' buses.

FFY 2013: 20 >40' buses + 20-40' buses + 30 <30' buses.

Neighborhood(s): Islandwide

Estimated Total Project Cost: \$148,321,000

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												
EQP	13,010	5,815	7,195	11,511	7,484	4,027	13,084	7,638	5,446	13,294	7,811	5,483	25,613	7,865	17,748	27,603	7,920	19,683	\$5307/\$5340
EQP	0	0	0	1,625	1,300	325	1,636	1,309	327	1,648	1,318	330	1,659	1,327	332	1,670	1,336	334	\$5309
EQP	0	0	0	2,571	2,123	448	2,669	2,138	531	2,691	2,153	538	2,709	2,167	542	2,728	2,182	546	\$5309 FGM
EQP	0	0	0	3,000	1,500	1,500	0	0	0	0	0	0	0	0	0	0	0	0	\$5309 NS
EQP	0	0	0	255	255	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5337FGM ARRA-09
EQP	0	0	0	19,345	19,345	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5340 ARRA-09

FFYs 2008-2011 TIP REVISION #21 FUNDING SUMMARY

FOR INFORMATION ONLY

FFY 2008			FFY 2009			FFY 2010			FFY 2011			FFY 2012			FFY 2013		
TOTAL	FEDERAL	LOCAL															
(x\$1000)																	

FHWA-FUNDED PROJECTS

State of Hawaii - Sponsored Projects

As of Revision #20	47,691	38,977	8,714	170,787	146,910	23,877	95,353	50,326	45,027	139,018	48,120	90,898	175,043	175,766	(723)	141,548	164,907	(23,359)
Revision #21 Changes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total as of Revision #21	47,691	38,977	8,714	170,787	146,910	23,877	95,353	50,326	45,027	139,018	48,120	90,898	175,043	175,766	(723)	141,548	164,907	(23,359)

C&C of Honolulu - Sponsored Projects

As of Revision #20	18,043	9,516	8,527	29,845	19,504	10,341	60,461	44,127	16,334	32,163	22,331	9,832	68,539	24,663	43,876	108,439	51,291	57,148
Revision #21 Changes	0	0	0	0	0	0	(9,020)	(9,800)	780	0	0	0	0	0	0	0	0	0
Total as of Revision #21	18,043	9,516	8,527	29,845	19,504	10,341	51,441	34,327	17,114	32,163	22,331	9,832	68,539	24,663	43,876	108,439	51,291	57,148

TOTAL FHWA	65,734	48,493	17,241	200,632	166,414	34,218	146,794	84,653	62,141	171,181	70,451	100,730	243,582	200,429	43,153	249,987	216,198	33,789
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FTA-FUNDED PROJECTS

State of Hawaii - Sponsored Projects

As of Revision #20	0	0	0	0	0	0	0	0	0	163	126	37	172	133	39	179	139	40
Revision #21 Changes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total as of Revision #21	0	0	0	0	0	0	0	0	0	163	126	37	172	133	39	179	139	40

C&C of Honolulu - Sponsored Projects

As of Revision #20	163,065	39,073	123,992	116,488	80,231	36,257	1,350,044	98,709	1,251,335	2,060,394	235,777	1,824,617	669,715	238,384	431,331	594,760	238,154	356,606
Revision #21 Changes	0	0	0	0	0	0	(28,230)	(28,230)	0	0	0	0	0	0	0	0	0	0
Total as of Revision #21	163,065	39,073	123,992	116,488	80,231	36,257	1,321,814	70,479	1,251,335	2,060,394	235,777	1,824,617	669,715	238,384	431,331	594,760	238,154	356,606

TOTAL FTA	163,065	39,073	123,992	116,488	80,231	36,257	1,321,814	70,479	1,251,335	2,060,557	235,903	1,824,654	669,887	238,517	431,370	594,939	238,293	356,646
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FHWA REGULAR FORMULA FUNDS PROGRAMMED

FOR INFORMATION ONLY

	FFY 2008 (x\$1000)	FFY 2009 (x\$1000)	FFY 2010 (x\$1000)	FFY 2011 (x\$1000)	FFY 2012 (x\$1000)	FFY 2013 (x\$1000)
FHWA-FUNDED PROJECTS						
<u>State of Hawaii-Sponsored Projects</u>						
ARRA-09	0	26,860	0	0	0	0
Bridge On-System	3,359	36,862	32,101	370	33,776	40,618
CMAQ	6,053	5,921	1,113	980	838	685
Earmark High Priority	0	0	200	1,606	0	0
Earmark Section 115	0	0	4,000	0	0	0
H-3 Discretionary	0	0	1,620	0	0	0
Highway Safety Improvement Program	196	1,865	562	4,640	1,080	866
Interstate Maintenance	3,302	16,007	3,048	3,320	50,974	32,326
Interstate Maintenance Discretionary	0	0	900	0	0	0
National Highway System	24,903	50,406	2,532	31,956	78,571	85,223
STP Flexible	0	7,788	400	0	6,302	0
Transfer from FHWA to FTA	1,164	1,201	1,548	1,920	2,062	2,215
Transportation Enhancement	0	0	2,302	3,328	2,163	2,974
State of Hawaii - FHWA Total	38,977	146,910	50,326	48,120	175,766	164,907
<u>City and County of Honolulu-Sponsored Projects</u>						
ARRA-09	0	7,164	12,036	0	0	0
Bridge Off-System	560	640	640	720	1,200	800
STP Flexible	8,956	11,700	21,278	21,611	23,463	50,491
Transportation Enhancement	0	0	373	0	0	0
City and County of Honolulu - FHWA Total	9,516	19,504	34,327	22,331	24,663	51,291
FHWA TOTAL	48,493	166,414	84,653	70,451	200,429	216,198
Less Discretionary Funds, etc.	0	0	(6,720)	(1,606)	0	0
Less ARRA-09 Funds	0	(34,024)	(12,036)	0	0	0
Less FTA Transfer Funds	(1,164)	(1,201)	(1,548)	(1,920)	(2,062)	(2,215)
FHWA REGULAR FORMULA FUNDS TOTAL	47,329	131,189	64,349	66,925	198,367	213,983

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.