

VIII. Financially Constrained 2011-2014 (+2) STIP

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DEPARTMENT OF TRANSPORTATION
STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM
FFY 2011 THRU FFY 2014 (FFY 2015-2016 Informative Only)
Revision Effective Date: September 1, 2010

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			TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	
STATEWIDE - FHWA																					
S1. Bikeway Improvements at Various Locations, Statewide	DES											300	240	60				300	240	60	STP FLEXIBLE
	ROW											50	40	10				50	40	10	
	CON														2,000	1,600	400				
	Estimated Total Project Cost - \$2,700,000 -- Implementation of State bike projects identified on Bike Plans.																				
S2. Bridge Inspection and Appraisal	PLN		3,000	2,400	600	3,000	2,400	600	3,000	2,400	600	3,000	2,400	600	3,000	2,400	600	3,000	2,400	600	BRIDGE ON-SYSTEM
Estimated Total Project Cost - \$18,000,000 -- Inventory, inspect and appraise state bridges. Includes underwater inspection, scour analyses, surveys and preparation of plans for bridge repairs, retrofits and replacements.																					
S3. Construction Career Days Workforce Development Program	PLN		30	30	0	30	30	0	30	30	0	30	30	0	30	30	0	30	30	0	STP FLEXIBLE
Estimated Total Project Cost - \$180,000 -- Supplement the Construction Career Days Workforce Development Program																					
S4. Highway Research and Development Program	PLN		500	400	100	500	400	100	500	400	100	500	400	100	500	400	100	500	400	100	STP FLEXIBLE
Estimated Total Project Cost - \$3,000,000 -- Supplement the Statewide Planning and Research Program																					
S5. Highway Safety Improvement Program (HSIP), Non - Infrastructure Funding Program	PLN/DES		500	400	100	500	400	100	500	400	100	500	400	100	500	400	100	500	400	100	HSIP
Estimated Total Project Cost - \$3,000,000 -- Implement non-infrastructure scope of HSIP including safety education programs and PSAs.																					
S6. Highway Shoreline Protection, Statewide	DES																	500	400	100	STP FLEXIBLE
Estimated Total Project Cost - \$3,000,000 -- Funding to implement shoreline protection projects as identified in the State's shoreline protection plan.																					
S7. Hawaii Statewide ITS Architectural Plan	PLN					1,000	800	200													STP FLEXIBLE
Estimated Total Project Cost - \$1,000,000 -- Develop ITS Architecture Plan for Non-Metro areas of the State (neighbor islands).																					
S8. Pedestrian Facilities and ADA Compliance at Various Locations	DES CON					200	160	40				2,000	1,600	400	200	160	40	2,000	1,600	400	STP FLEXIBLE
Estimated Total Project Cost - \$4,600,000 -- Address ADA compliance needs, statewide.																					
S9. Public Lands Highways Discretionary Projects	DES/CON		5,000	5,000	0	5,000	5,000	0	5,000	5,000	0	5,000	5,000	0	5,000	5,000	0	5,000	5,000	0	PUBLIC LANDS DISCRETIONARY
Estimated Total Project Cost - \$30,000,000 -- Federal grant program. Projects that are adjacent to or provide access to federal lands are eligible to apply for these funds.																					
S10. Safe Routes to School (SR2S) Program	Pln/Des Pn/Ds/Co		300	300	0					300	300	0				300	300	0			SAFE ROUTES TO SCHOOL
Non-infrastructure Infrastructure						700	700	0				700	700	0				700	700	0	
Estimated Total Project Cost - \$3,000,000 -- Implement the Safe Routes to School Program to promote walking and biking as a safe and viable transportation alternative, especially in the vicinity of schools.																					
S11. SNIPP - Statewide Noxious Invasive Pest Program	OPR					2,180	1,744	436	3,030	2,424	606	3,151	2,521	630	3,277	2,622	655	3,409	2,727	682	STP FLEXIBLE
Estimated Total Project Cost - \$15,000,000 -- Operation of the Statewide Noxious Invasive Pest Program.																					
S12. Statewide Countown Pedestrian Signal Head Upgrade, Phase 2	CON					3,500	2,800	700													STP FLEXIBLE
Estimated Total Project Cost - \$4,000,000 -- Implement pedestrian signal head upgrade with countdown head.																					
S13. Statewide Highway Lighting and Traffic Signal Upgrade Program	CON		5,000	0	5,000	5,000	0	5,000	5,000	0	5,000	5,000	0	5,000	5,000	0	5,000	5,000	0	5,000	STP FLEXIBLE
Estimated Total Project Cost - \$30,000,000 -- System maintenance of highway lighting and traffic signals.																					
S14. Statewide Pavement and Bridge Preservation Program	CON		5,000	0	5,000	5,000	0	5,000	5,000	0	5,000	5,000	0	5,000	5,000	0	5,000	5,000	0	5,000	STP FLEXIBLE
Estimated Total Project Cost - \$30,000,000 -- System maintenance of highway pavements to extend the life of existing pavements to prevent the shorter term need for full reconstruction. Also to include bridge preservation work to extend the life of existing bridge structures without having to fully reconstruct the structure.																					
S15. Statewide Signing, Striping and Pavement Marking Program	CON		5,000	0	5,000	5,000	0	5,000	5,000	0	5,000	5,000	0	5,000	5,000	0	5,000	5,000	0	5,000	LOCAL
Estimated Total Project Cost - \$30,000,000 -- System maintenance to upkeep traffic control devices such as highway signing and striping.																					
S16. Technology Transfer and Technical Assistance Program	PLN		500	400	100	500	400	100	500	400	100	500	400	100	500	400	100	500	400	100	STP FLEXIBLE
Estimated Total Project Cost - \$3,000,000 -- Conduct training and technology transfer activities for government and private transportation personnel.																					
S17. Traffic Counting Stations, Various Locations	DES CON		375	300	75							3,500	2,800	700							STP FLEXIBLE
Estimated Total Project Cost - \$3,900,000 -- Construction of statewide traffic counting stations for traffic data gathering and planning purposes.																					
S18. Van Pool Program	CON		200	190	10	200	190	10	200	190	10	200	190	10	200	190	10	200	190	10	CMAQ
Estimated Total Project Cost - \$1,200,000 -- Van Pool program funding, statewide																					
STATEWIDE - FHWA TOTAL			25,405	9,420	15,985	32,310	15,024	17,286	33,560	15,944	17,616	29,131	12,481	16,650	32,307	14,942	17,365	29,889	13,087	16,802	

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STATEWIDE - FTA																					
S19.	Rural Transportation Assistance Program (RTAP)	PLN	100	100	0	103	103	0	107	107	0	111	111	0	115	115	0	119	119	0	FTA SECTION 5311 (b)(3)
	Estimated Total Project Cost - \$655,000 -- FTA Section 5311(b)(2) Rural Transportation Assistance Program (RTAP).																				
S20.	State Administration	PLN	305	305	0	315	315	0	324	324	0	334	334	0	344	344	0	355	355	0	FTA SECTION 5311
	Estimated Total Project Cost - \$1,980,000 -- FTA Section 5311 Nonurbanized Area Formula Program.																				
S21.	Transportation Assistance for Elderly and Disabled	EQP	888	710	178	916	732	184	943	754	189	972	777	195	1,000	800	200	1,030	824	206	FTA SECTION 5310
	Estimated Total Project Cost - \$5,750,000 -- The FTA Section 5310 program provides assistance for the purpose of providing transportation services in meeting the special needs of elderly and disabled persons where mass transportation services are unavailable, insufficient or inappropriate.																				
S22.	JARC (non-urban)	EQP/OPR	188	150	38	194	155	39	200	160	40	206	165	41	213	170	43	219	175	44	FTA SECTION 5316 (JARC)
	Estimated Total Project Cost - \$1,220,000 -- Job Access and Reverse Commute Program (Section 5316). The JARC formula grant program aims to improve access to transportation services to employment & employment related activities for welfare recipients and eligible low-income individuals and to transport residents of urbanized areas & nonurbanized areas to suburban employment opportunities. Funds from the JARC program are available for capital, planning, and operating expenses that support the development and maintenance of transportation services designed to transport low-income individuals to & from jobs and activities related to their employment and to support reverse commute projects.																				
S23.	New Freedom (non-urban)	EQP/OPR	104	83	21	108	86	22	111	89	22	115	92	23	119	95	24	123	98	25	FTA SECTION 5317 (New Freedom)
	Estimated Total Project Cost - \$658,000 -- New Freedom Program (Section 5317). The New Freedom formula grant program aims to provide additional tools to overcome existing barriers facing Americans with disabilities seeking integration into the work force and full participation in society. New Freedom program funds are available for capital and operating expenses that support new public transportation services beyond those required by the ADA and new public transportation alternatives beyond those required by the ADA designed to assist individuals with disabilities with accessing transportation services.																				
S24.	Statewide Planning	PLN	131	105	26	135	108	27	139	111	28	143	114	29	147	117	30	152	121	31	FTA SECTION 5304
	Estimated Total Project Cost - \$847,000 -- FTA Statewide Planning funds is a broad area that includes formula and discretionary funding under a variety of programs by awarding grants to eligible recipients. These programs provide funding to support cooperative, continuous, and comprehensive planning for making transportation investment decisions statewide. An example of this includes but is not limited to Statewide Planning under Section 5304. Funds may be utilized towards projects that: support economic vitality; increase transportation system safety and; increase security, accessibility and mobility of people and for freight, protect and enhance the environment; promote energy conservation; enhance the integration and connectivity of various modes; promote system efficiencies; and system preservation. To be eligible for funding under these programs, projects and strategies must come from the applicable transportation planning process.																				
STATEWIDE - FTA TOTAL			1,716	1,453	263	1,771	1,499	272	1,824	1,545	279	1,881	1,593	288	1,938	1,641	297	1,998	1,692	306	

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OAHU : STATE - FHWA																					
OS1.	Castle Hills Access Road Drainage Improvements, Phase II	ROW/CON	3,000	2,500	500																STP FLEXIBLE
Estimated Total Project Cost - \$15,500,000 -- Construct drainage improvements in the vicinity of Pookela Street, Kupohu Street and Pilina Way in Kaneohe.																					
OS2.	Farrington Highway (Route 93), Bridge Rehabilitation	ROW				510	408	102													BRIDGE ON-SYSTEM
	Ulehawa Stream Bridge	CON															10,000	8,000	2,000		BRIDGE ON-SYSTEM
Estimated Total Project Cost - \$13,000,000 -- Rehabilitate bridge to meet current design standards. This includes bridge strengthening, widening, improving shoulders, and upgrading railings.																					
OS3.	Farrington Highway (Route 93), Bridge Replacement	CON													14,000	5,200	8,800				BRIDGE ON-SYSTEM
	Maipalaoa Bridge	ADVCON																0	6,000	(6,000)	BRIDGE ON-SYSTEM
Estimated Total Project Cost - \$16,000,000 -- Replace the existing bridge with a concrete structure that meets current bridge standards.																					
OS4.	Farrington Highway (Route 93) Intersection Improvements	CON	4,500	3,600	900																HSIP
	at Haleakala Avenue (Route 8743)	CON	1,000	800	200																EARMARK - HIGH PRIORITY
Estimated Total Project Cost - \$5,600,000 -- Construct intersection improvements on Farrington Highway, such as a left-turn lane onto Haleakala Avenue, roadway widening, resurfacing, excavation, drainage, traffic signal modifications and underground utilities.																					
OS5.	Farrington Highway (Route 93) Intersection Improvements	CON	5,500	4,400	1,100																HSIP
	at Nanakuli Avenue (Route 8744)																				
Estimated Total Project Cost - \$5,600,000 -- 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.																					
OS6.	Farrington Highway (Route 93) Safety Improvements in the	CON	1,960	1,764	196																HSIP
	Vicinity of Leihoku Street to Makau Street																				
Estimated Total Project Cost - \$2,390,000 -- Installation of milled rumble strips on centerline and shoulders; pavement markings, striping and signing.																					
OS7.	Fort Barrette Road (Route 901) Widening,	CON										22,000	0	22,000							LOCAL
	Farrington Highway (Route 9107) to Barber's Point Gate	ADVCON													0	17,600	(17,600)				STP FLEXIBLE
Estimated Total Project Cost - \$23,500,000 -- Widen Fort Barrette Road to four lanes and construct other improvements, including right- and left-turn lanes, sidewalk, bikeway, highway lighting, drainage, traffic signals, landscaping, and other improvements.																					
OS8.	Freeway Management System,																				
	Interstate H-1, H-2, and Moanalua Freeway (Route H-201 & 78),																				
	Phase 1C																				
	Part 1	CON	7,000	5,600	1,400																NHS
	Part 2	CON							3,500	2,800	700										NHS
Estimated Total Project Cost - \$58,500,000 -- 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.																					
OS9.	Freeway Management System,																				
	Interstate H-1, H-2, and Moanalua Freeway (Route H-201 & 78),																				
	Phase 2A	DES				1,900	1,520	380													INTERSTATE MAINTENANCE
	Part 1	CON										5,000	4,000	1,000							INTERSTATE MAINTENANCE
	Part 2	CON													5,000	4,000	1,000				INTERSTATE MAINTENANCE
Estimated Total Project Cost - \$58,500,000 -- 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.																					
OS10.	Freeway Management System,	DES							1,900	1,520	380										INTERSTATE MAINTENANCE
	Interstate H-1, H-2, and Moanalua Freeway (Route H-201 & 78),	CON																10,000	8,000	2,000	INTERSTATE MAINTENANCE
	Phase 2B																				
Estimated Total Project Cost - \$58,500,000 -- 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.																					
OS11.	Freeway Management System,	DES													2,000	1,600	400				INTERSTATE MAINTENANCE
	Interstate H-1, H-2, and Moanalua Freeway (Route H-201 & 78),																				
	Phase 3A																				
Estimated Total Project Cost - \$58,500,000 -- 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.																					
OS12.	Freeway Management System,	DES	1,622	1,298	324																NHS
	Interstate H-1, H-2, and Moanalua Freeway (Route H-201 & 78),																				
	System Manager																				
Estimated Total Project Cost - \$58,500,000 -- The Freeway Management System's System Manager will assist the State with managing and guiding the Intelligent Transportation System (ITS) program. This includes software development, equipment procurement assistance, acceptance testing, performance monitoring, and strategic planning.																					
OS13.	Freeway Service Patrol	CON	2,000	1,800	200	2,000	1,800	200	2,000	1,800	200	2,000	1,800	200	2,000	1,800	200	2,000	1,800	200	NHS
Estimated Total Project Cost - \$16,000,000 -- Operate roving service patrols. Services include towing of disabled vehicles, removing debris, providing basic fire extinguisher use, deploying traffic control devices, assisting the HPD, HFD, and EMS at crash scenes & other incidents, assisting sick or injured motorists with basic first aid, & notifying 911 of incidents.																					

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OS14. Guardrail and Shoulder Improvements, Various Locations																				
Phase 1 - Various locations on Interstate Route H-1	CON							2,100	1,890	210										HSIP
Phase 2	DES													250	200	50				INTERSTATE MAINTENANCE
	CON																3,000	2,400	600	INTERSTATE MAINTENANCE
Phase 3	DES																250	200	50	INTERSTATE MAINTENANCE
Estimated Total Project Cost - \$5,850,000 -- Install and upgrade guardrails to bridge end post connections, bridge railing, guardrail end terminals, crash attenuators, miscellaneous drainage, and other appurtenant improvements.																				
OS15. Interstate Routes H-1 and H-2, Destination Sign Upgrade/Replacement,																				
Phase I	CON				2,808	2,246	562													NHS
Phase II	CON																2,704	2,434	270	NHS
Estimated Total Project Cost - \$6,200,000 -- Replace and/or upgrade the existing destination signs and sign support structures on Interstate Routes H-1 and H-2.																				
OS16. Interstate Route H-1, Bridge Rehabilitation, Kapalama Canal	DES	775	620	155																BRIDGE ON-SYSTEM
Estimated Total Project Cost - \$3,000,000 -- Rehabilitate existing bridge.																				
OS17. Interstate Route H-1, Eastbound Improvements, Vicinity of Ola Lane to Vineyard Blvd Off-Ramp	ROW	10,000	9,000	1,000																NHS
	DES/CON	93,500	11,000	82,500																NHS
	ADVCON				0	45,000	(45,000)	0	28,150	(28,150)										NHS
Estimated Total Project Cost - \$104,000,000 -- Construct an additional lane on Interstate Rte H-1 in the eastbound direction from the vicinity of Middle Street/Ola Lane to the vicinity of the H-1 Vineyard Boulevard off-ramp.																				
OS18. Interstate Route H-1, Eastbound Improvements, Ward Avenue (Route 7511) On-Ramp to University Interchange	DES							884	707	177										INTERSTATE MAINTENANCE
Estimated Total Project Cost - \$17,000,000 -- Improve the eastbound traffic flow from Ward Avenue to the University Interchange.																				
OS19. Interstate Route H-1, Guardrail and Shoulder Improvements, Kapiolani Interchange to Ainakoa Avenue	CON										6,000	5,400	600							INTERSTATE MAINTENANCE
Estimated Total Project Cost - \$6,500,000 -- Install and/or upgrade existing guardrails, crash cushions, and concrete barriers to meet current standards.																				
OS20. Interstate Route H-1, Guardrail and Shoulder Improvements, Middle Street (Route 7415) to Punchbowl Street (Route 7516)	CON										5,200	4,680	520							INTERSTATE MAINTENANCE
Estimated Total Project Cost - \$5,200,000 -- Install and/or upgrade existing guardrails, crash cushions, and concrete barriers to meet current standards.																				
OS21. Interstate Route H-1, Highway Lighting Improvements, Kaimakani OP to Gulick Avenue																				
Phase 1	CON							6,600	5,280	1,320										INTERSTATE MAINTENANCE
Phase 2	CON																6,240	4,992	1,248	INTERSTATE MAINTENANCE
Estimated Total Project Cost - \$13,500,000 -- Upgrade/replace existing freeway lighting.																				
OS22. Interstate Route H-1, Kapolei Interchange Complex																				
Phase 2	CON	1,000	900	100																INTERSTATE MAINT. DISCR
	CON	5,200	0	5,200																LOCAL
	ADVCON				0	4,680	(4,680)													NHS
Phase 3	CON							16,200	14,580	1,620										NHS
	CON							3,800	3,400	400										INTERSTATE MAINT. DISCR
Phase 4	DES							520	468	52										NHS
	ROW							208	187	21										NHS
Phase 5	DES							500	450	50										NHS
	ROW							200	180	20										NHS
Estimated Total Project Cost - \$30,000,000 -- Phase 2 and Phase 3 will complete the construction of the Wakea Street Separation and its associated ramps. Phase 4 and 5 will complete the ultimate buildout of the Kapolei IC Complex including the completion of Palalalai and Makakilo Interchanges.																				
OS23. Interstate Route H-1, Lunalilo Street Off-Ramp and On-Ramp	DES/CON	5,000	4,500	500																INTERSTATE MAINTENANCE
Estimated Total Project Cost - \$6,000,000 -- Improve operation and capacity on the westbound H-1 freeway by modifying the weaving movements between the Lunalilo Street On-ramp and the Vineyard Boulevard Off-Ramp by restriping freeway lanes from the Punahou Street On-ramp to the Pali Highway Off-ramp.																				
OS24. Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 2	CON										40,000	18,000	22,000							INTERSTATE MAINTENANCE
	ADVCON														18,000	(18,000)				INTERSTATE MAINTENANCE
Estimated Total Project Cost - \$100,000,000 -- Replace, repair, and/or strengthen the Pearl City and Waimalu Viaduct concrete deck and other structural components, including guardrails. Project will be implemented in 5 phases.																				

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OS25. Interstate Route H-1, PM Contraflow, Westbound Waiawa IC Improvements (four WB through lanes), Phase I	CON				15,000	13,500	1,500													INTERSTATE MAINTENANCE
<i>Estimated Total Project Cost - \$165,000,000 -- 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 Waikale.</i>																				
OS26. Interstate Route H-1, Waiawa Interchange to Halawa Interchange Widening, Eastbound	DES																4,326	3,461	865	NHS
<i>Estimated Total Project Cost - \$100,000,000 -- Widen H-1 Freeway to six lanes from Waiawa Interchange to Halawa Interchange in the eastbound direction, and restore current freeway lane width and shoulder standards. Project may be phased due to high cost.</i>																				
OS27. Interstate Route H-1, Waiawa Interchange, Westbound, Waipahu Off-Ramp Improvements	DES													3,300	2,970	330				NHS
<i>Estimated Total Project Cost - \$24,000,000 -- Widen the westbound Waipahu off-ramp from one to two lanes.</i>																				
OS28. Interstate Route H-3, Safety Improvements in the Vicinity of Kamehameha Hwy Off-Ramp to Kaneohe Marine Corps Base HI	DES	150	135	15																HSIP
	CON							1,000	900	100										HSIP
<i>Estimated Total Project Cost - \$1,150,000 -- Scope includes but is not limited to installation of milled rumble strips on shoulders, pavement markings and signing.</i>																				
OS29. Interstate Route H-3, Seismic Retrofit, Halekou Interchange	DES										1,000	800	200							BRIDGE ON-SYSTEM
<i>Estimated Total Project Cost - \$3,500,000 -- Retrofit interchange structure to meet current seismic standards.</i>																				
OS30. Interstate Route H-3, Seismic Retrofit, Kapaa Quarry, Structure Nos. 1 & 2 (Inbound & Outbound)	DES																600	480	120	BRIDGE ON-SYSTEM
<i>Estimated Total Project Cost - \$3,500,000 -- Retrofit interchange structure to meet current seismic standards.</i>																				
OS31. Interstate Route H-3, Seismic Retrofit, Mokapu Blvd Interchange	CON													3,000	2,400	600				BRIDGE ON-SYSTEM
<i>Estimated Total Project Cost - \$3,500,000 -- Retrofit interchange structure to meet current seismic standards.</i>																				
OS32. Kalaeloa Roadway Improvements, Vicinity of Barber's Point Naval Air Station	DES																1,014	811	203	STP FLEXIBLE
<i>Estimated Total Project Cost - \$55,000,000 -- Bring roadways up to City standards and turn the roadway over to the City and County of Honolulu. Roadways include Roosevelt Avenue, Enterprise Avenue, and Coral Sea Road.</i>																				
OS33. Kalaniana'ole Highway (Route 72) Bridge Replacement Inoale Stream Bridge, Waimanalo	CON										9,000	7,200	1,800							STP FLEXIBLE
<i>Estimated Total Project Cost - \$10,500,000 -- Replace the existing bridge.</i>																				
OS34. Kalaniana'ole Highway (Route 72) Improvements, Olomana Golf Course to Waimanalo Beach Park Phase I, Olomana Golf Course to Poalima Street	CON							13,000	5,400	7,600										NHS
	ADVCON											5,000	(5,000)							NHS
<i>Estimated Total Project Cost - \$41,030,000 -- Construct traffic operational and safety improvements on Kalaniana'ole Highway, from Olomana Golf Course to Poalima Street. Project includes turning lanes, bus pullouts, and lighting improvements.</i>																				
OS35. Kalaniana'ole Highway (Route 72) Improvements, Olomana Golf Course to Waimanalo Beach Park Phase II, Poalima Street to Aloiloi Street	DES										900	720	180							NHS
<i>Estimated Total Project Cost - \$41,030,000 -- Construct traffic operational and safety improvements on Kalaniana'ole Highway, from Poalima Street to Aloiloi Street. Project includes turning lanes, bus pullouts, and lighting improvements.</i>																				
OS36. Kalaniana'ole Highway (Route 72) Improvements, Olomana Golf Course to Waimanalo Beach Park Phase III, Aloiloi Street to Waimanalo Beach Park	DES																800	640	160	NHS
<i>Estimated Total Project Cost - \$41,030,000 -- Construct traffic operational and safety improvements on Kalaniana'ole Highway, from Aloiloi Street to Waimanalo Beach Park. Project includes turning lanes, bus pullouts, and lighting improvements.</i>																				
OS37. Kamehameha Highway (Route 83), Bridge Rehabilitation Kaipapau Stream Bridge	CON	13,800	11,040	2,760																BRIDGE ON-SYSTEM
<i>Estimated Total Project Cost - \$21,000,000 -- Rehabilitate the existing bridge.</i>																				
OS38. Kamehameha Highway (Route 83), Bridge Rehabilitation Kawailoa Stream Bridge	DES	920	736	184																BRIDGE ON-SYSTEM
	PREROW							50	40	10										BRIDGE ON-SYSTEM
	ROW													800	640	160				BRIDGE ON-SYSTEM
	CON																3,401	2,721	680	BRIDGE ON-SYSTEM
<i>Estimated Total Project Cost - \$6,000,000 -- Rehabilitate the existing bridge by widening and strengthening to meet current State standards.</i>																				

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PROJECT		PHASE	FFY2011 (Oct 1, 10 - Sep 30, 11)			FFY2012 (Oct 1, 11 - Sep 30, 12)			FFY2013 (Oct 1, 12 - Sep 30, 13)			FFY2014 (Oct 1, 13 - Sep 30, 14)			FFY2015 (Oct 1, 14 - Sep 30, 15)			FFY2016 (Oct 1, 15 - Sep 30, 16)			FUND CATEGORY & REMARKS
			TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	
OS39.	Kamehameha Highway (Route 83), Bridge Rehabilitation	ROW	175	140	35																BRIDGE ON-SYSTEM
	Laieloa Stream Bridge	CON				2,600	2,080	520													BRIDGE ON-SYSTEM
	<i>Estimated Total Project Cost - \$3,700,000 -- Rehabilitate the existing concrete slab bridge on Kamehameha Highway in the vicinity of Laie.</i>																				
OS40.	Kamehameha Highway (Route 83), Bridge Rehabilitation	ROW				250	200	50													BRIDGE ON-SYSTEM
	Makaua Stream Bridge	CON															4,600	3,680	920		BRIDGE ON-SYSTEM
	<i>Estimated Total Project Cost - \$5,500,000 -- Rehabilitate the existing 44-foot long bridge by widening and strengthening to meet current State standards.</i>																				
OS41.	Kamehameha Highway (Route 83), Bridge Rehabilitation	CON															3,120	2,496	624		BRIDGE ON-SYSTEM
	Waipilopilo Stream Bridge																				
	<i>Estimated Total Project Cost - \$4,000,000 -- Rehabilitate the existing concrete T-bridge on Kamehameha Highway in the vicinity of Hauula.</i>																				
OS42.	Kamehameha Highway (Route 83), Bridge Replacement	DES															780	624	156		BRIDGE ON-SYSTEM
	Hoolapa Stream (Nanahu) Bridge																				
	<i>Estimated Total Project Cost - \$3,000,000 -- Replace the existing bridge.</i>																				
OS43.	Kamehameha Highway (Route 83), Bridge Replacement	PREROW				50	40	10													BRIDGE ON-SYSTEM
	Kaluani Stream Bridge	ROW										600	480	120							BRIDGE ON-SYSTEM
		CON															9,200	7,360	1,840		BRIDGE ON-SYSTEM
	<i>Estimated Total Project Cost - \$10,504,000 -- Replace the existing bridge.</i>																				
OS44.	Kamehameha Highway (Route 83), Bridge Replacement	DES															710	568	142		BRIDGE ON-SYSTEM
	Kaunala Bridge																				
	<i>Estimated Total Project Cost - \$7,300,000 -- Replace the existing bridge.</i>																				
OS45.	Kamehameha Highway (Route 83), Bridge Replacement	CON										9,000	7,200	1,800							BRIDGE ON-SYSTEM
	Kawela Stream Bridge																				
	<i>Estimated Total Project Cost - \$9,000,000 -- Replace the existing bridge.</i>																				
OS46.	Kamehameha Highway (Route 83), Bridge Replacement	DES															830	664	166		BRIDGE ON-SYSTEM
	Lauhulu Stream Bridge																				
	<i>Estimated Total Project Cost - \$10,000,000 -- Replace the existing bridge.</i>																				
OS47.	Kamehameha Highway (Route 83), Bridge Replacement	DES															750	600	150		BRIDGE ON-SYSTEM
	Papau Stream (Waipuhi) Bridge	ROW																			
	<i>Estimated Total Project Cost - \$7,000,000 -- Replace the existing bridge.</i>																				
OS48.	Kamehameha Highway (Route 83), Bridge Replacement	ROW	975	780	195																BRIDGE ON-SYSTEM
	South Kahana Stream	CON													10,800	8,640	2,160				BRIDGE ON-SYSTEM
	<i>Estimated Total Project Cost - \$13,000,000 -- Replace the existing bridge.</i>																				
OS49.	Kamehameha Highway (Route 99), Bridge Replacement	ROW	1,000	800	200																EARMARK-HIGH PRIORITY
	Upper Poamoho Stream Bridge	CON										16,000	6,800	9,200							BRIDGE ON-SYSTEM
		ADVCON														6,000	(6,000)				BRIDGE ON-SYSTEM
	<i>Estimated Total Project Cost - \$23,000,000 -- Replace the existing multi-girder reinforced bridge on Kamehameha Highway in the vicinity of Wahiawa.</i>																				
OS50.	Kamehameha Highway (Route 83), Bridge Replacement	CON													11,000	8,800	2,200				BRIDGE ON-S

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		TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	
OS53. Kamehameha Highway (Route 83), Realignment, Vicinity of Kawaihoa Beach	DES																2,840	2,272	568	NHS
<i>Estimated Total Project Cost - \$38,000,000 -- Plan a new highway which would bypass a portion of Kamehameha Highway, on the North Shore. The project proposes to construct a realignment of Kamehameha Highway, from Haleiwa to the vicinity of Waimea Bay, a total distance of approximately 4.2 miles.</i>																				
OS54. Kamehameha Highway (Route 99), In-bound Cane Haul Road Structure Rehabilitation, Vicinity of Waipahu	CON																3,936	3,149	787	BRIDGE ON-SYSTEM
<i>Estimated Total Project Cost - \$5,000,000 -- Rehabilitate the existing structure.</i>																				
OS55. Kamehameha Highway (Route 99), Out-bound Cane Haul Road Structure Rehabilitation, Vicinity of Waipahu	CON																3,936	3,149	787	BRIDGE ON-SYSTEM
<i>Estimated Total Project Cost - \$5,000,000 -- Rehabilitate the existing structure.</i>																				
OS56. Kamehameha Highway (Route 83), Rockfall Protection at Waimea Bay, MP 5.4 to MP 5.52	PREROW				50	40	10													NHS
	ROW							450	360	90										NHS
	CON													9,500	7,600	1,900				NHS
<i>Estimated Total Project Cost - \$11,100,000 -- Initiate rockfall mitigation measures along Kamehameha Highway at Waimea Bay (milepost 5.4 to milepost 5.52).</i>																				
OS57. Kamehameha Highway (Route 83), Rockfall Protection at Waimea Bay, MP 5.63 to MP 5.9 (Sunset Beach Side)	CON																7,500	6,000	1,500	NHS
<i>Estimated Total Project Cost - \$8,000,000 -- Initiate rockfall mitigation measures along Kamehameha Highway at Waimea Bay (milepost 5.63 to milepost 5.9).</i>																				
OS58. Kamehameha Highway (Route 83), Safety Improvements, Kahana Valley Road to Kaaawa Bridge	CON	1,300	1,170	130																HSIP
<i>Estimated Total Project Cost - \$1,400,000 -- Installation of milled rumble strips on centerline and shoulders, check superelevation along entire segment, pavement markings, striping and signing.</i>																				
OS59. Kamehameha Highway (Route 83), Safety Improvements Vic. Of Makao Road to Vic. Of Haleaha Road	CON				1,200	1,080	120													HSIP
<i>Estimated Total Project Cost - \$1,500,000 -- Extend paved shoulder 2 feet, extend drainage culverts and headwalls, install milled centerline and shoulder line rumble strips, signing and pavement marking.</i>																				
OS60. Kamehameha Highway (Route 83), Safety Improvements Vic. Of Pohuehue Road to Waikane Valley Road	DES	200	180	20																HSIP
	CON										1,000	900	100							HSIP
<i>Estimated Total Project Cost - \$1,200,000 -- Scope includes but is not limited to installation of milled rumble strips on centerline and shoulders, superelevation assessment (to determine treatment) along entire segment, shoulder widening, drainage improvements, installation of guardrail and end treatments, pavement markings and signing.</i>																				
OS61. Kamehameha Highway (Route 83), Safety Improvements, Vicinity of Pualalea St. - Malaekahana & Vic. Of Laie-Maloo Br. to Hauula Br.	CON	1,460	1,314	146																HSIP
<i>Estimated Total Project Cost - \$1,600,000 -- Installation of milled rumble strips on centerline and shoulders, check superelevation along entire segment, pavement markings, striping and signing.</i>																				
OS62. Kamehameha Highway (Route 83), Safety Improvements Vic. Of Waikane Valley Road to Kahekili Highway (Route 83)	CON	1,574	1,417	157																HSIP
<i>Estimated Total Project Cost - \$2,000,000 -- Installation of milled rumble strips on centerline and shoulders, check superelevation along entire segment, pavement markings, striping and signing.</i>																				
OS63. Kamehameha Highway (Route 83), Shoreline Protection Vicinity of Hauula (#14)	DES	500	0	500																LOCAL
	CON																5,600	4,480	1,120	NHS
<i>Estimated Total Project Cost - \$6,100,000 -- Construct shoreline protection measures for areas in Hauula (#14) susceptible to ocean erosion due to high wave action.</i>																				
OS64. Kamehameha Highway (Route 83), Shoreline Protection Vicinity of Kaaawa (#10)	DES	840	0	840																LOCAL
	CON																10,400	8,320	2,080	NHS
<i>Estimated Total Project Cost - \$11,300,000 -- Construct shoreline protection measures for areas in Kaaawa (#10) susceptible to ocean erosion due to high wave action.</i>																				
OS65. Kamehameha Highway (Route 83) Shoreline Protection, Vicinity of Punaluu (#9)	CON	6,000	4,800	1,200																NHS
<i>Estimated Total Project Cost - \$7,000,000 -- Construct shoreline protection measures for areas in Punaluu (#9) susceptible to ocean erosion due to high wave action.</i>																				
OS66. Kamehameha Highway (Route 83) Traffic Improvements, Kahaluu - Waimea Bay (Kahekili Hwy (Route 83) - Kaalaea Stream)	DES																1,040	832	208	NHS
<i>Estimated Total Project Cost - \$15,000,000 -- Construct roadway geometric adjustments to improve safety and construct possible intersection improvements along Kamehameha Highway, from Kahekili Highway to Kaalaea Stream. Replace two bridge structures.</i>																				
OS67. Kamehameha Highway (Route 83) Wetland Enhancement, Vicinity of Ukoa Pond	CON										6,000	4,800	1,200							NHS
<i>Estimated Total Project Cost - \$6,500,000 -- Enhance wetlands near Ukoa Pond as a mitigation for previous impacts and wetland banking for future use. This is a wetland mitigation project on the North Shore that is related to the construction of the Haleiwa Bypass Road.</i>																				

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		TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	
OS68. Kamehameha Highway (Route 99) Widening, Lanikuhana Ave. to Ka Uka Blvd Phase 1	DES																4,300	3,440	860	NHS
Estimated Total Project Cost - \$130,000,000 -- Widen Kamehameha Highway to four-lanes with shoulders for bike paths and disabled vehicles.																				
OS69. Leeward Bikeway, Phase I, Waipio Pt. Access Rd. to Hawaiian Railway Society Train Station	CON	4,160	3,328	832																STP ENHANCEMENT
Estimated Total Project Cost - \$16,160,000 -- Improve the bikeway/bike path from the Waipio Point Access Road to the northeast end of the existing West Loch Bikeway and from the southwest end of the existing West Loch bikeway to the Hawaii Railway Society Train Station																				
OS70. Leeward Bikeway, Phase II, Hawaiian Railway Society Train Station to Luualalei Naval Road	DES	2,500	2,000	500																STP ENHANCEMENT
	PREROW							100	80	20										STP ENHANCEMENT
	ROW										2,650	2,120	530							STP ENHANCEMENT
	CON																3,718	2,974	744	STP ENHANCEMENT
Estimated Total Project Cost - \$15,800,000 -- Improve the bikeway/bike path from the Hawaii Railway Society Train Station to Luualalei Naval Road.																				
OS71. Moanalua Freeway (Route 78) and Interstate Route H-2 Guardrail and Shoulder Improvements	CON										5,720	5,148	572							NHS
Estimated Total Project Cost - \$5,800,000 -- Install and/or upgrade the existing guardrails. Reconstruct and pave road shoulders.																				
OS72. Moanalua Freeway (Route H-201), Highway Lighting Improvements MP 1.12 to MP 4.09 (Halawa Hts. Off-Ramp to Middle St. Overpass)	CON							5,616	4,493	1,123										NHS
Estimated Total Project Cost - \$7,700,000 -- Upgrade/replace existing freeway lighting on Moanalua Freeway, from the Halawa Heights westbound off-ramp (milepost 1.12) to the Moanalua/H-1 Freeway merge at Middle Street (milepost 4.09).																				
OS73. Moanalua Freeway (Route H-201), Highway Lighting Improvements MP 0 to MP 0.73 (Halawa to H-3 Fwy Overpass)	CON							2,250	1,800	450										NHS
Estimated Total Project Cost - \$7,700,000 -- Upgrade/replace existing freeway lighting on Moanalua Freeway from the Ewa end of the Moanalua Freeway (milepost 0) to the H-3 Freeway overpass (milepost 0.73).																				
OS74. Moanalua Freeway (Route H-201) Seismic Retrofit, Puuloa Interchange, Ramp "A"	CON													3,800	3,040	760				BRIDGE ON-SYSTEM
Estimated Total Project Cost - \$4,700,000 -- Retrofit interchange structure to meet current seismic standards.																				
OS75. Moanalua Freeway (Route H-201) Seismic Retrofit, Puuloa Separation	CON													6,200	4,960	1,240				BRIDGE ON-SYSTEM
Estimated Total Project Cost - \$7,300,000 -- Retrofit interchange structure to meet current seismic standards.																				
OS76. North-South Road (Route 8930), Kapolei Parkway to Vicinity of H-1 Freeway, Phase II	DES																700	560	140	STP FLEXIBLE
Estimated Total Project Cost - \$200,000,000 -- Phase IB consisted of constructing the interim roadway from Kapolei Parkway to Farrington Highway. Phase IC involved constructing the roadway from Farrington Highway to the H-1 Freeway, including a full-diamond interchange at the H-1 Freeway. Phase II involves continuation of the build out of North-South Road to six (6) lanes.																				
OS77. Pali Highway (Route 61) , Rockfall Protection Between the Two Tunnels	PLN/DES																1,300	1,040	260	NHS
Estimated Total Project Cost - \$12,000,000 -- Reduce possible rockfall and/or landslides along Pali Highway between the two Pali Highway Tunnels.																				
OS78. Pali Highway (Route 61), Rockfall Protection, Kailua Side of Kailua-Bound Tunnels	PLN/DES													1,800	1,440	360				NHS
Estimated Total Project Cost - \$26,800,000 -- Reduce possible rockfall and/or landslides along Pali Highway on the Kailua side of the Kailua Tunnels.																				
OS79. Recreational Trails Program - Oahu	CON	359	287	72	359	287	72	359	287	72	359	287	72	359	287	72	359	287	72	NATIONAL RECREATIONAL TRAILS (DLNR)
Estimated Total Project Cost - \$2,154,000 -- A Federal-aid assistance program to help the State provide and maintain recreational trails for both motorized and non-motorized recreational use.																				
OS80. Vanpool Program, Oahu	OPR	980	980	0	838	838	0	685	685	0	521	521	0	345	345	0	156	156	0	CMAQ
	OPR	1,920	1,920	0	2,062	2,062	0	2,215	2,215	0	2,379	2,379	0	2,555	2,555	0	2,744	2,744	0	FHWA fund Transfer from FTA, Sec. 5307
Estimated Total Project Cost - \$26,100,000 -- Encourage ridesharing during the peak commuting hours to reduce congestion by providing qualified users with a State-subsidized van.																				
OS81. Vineyard Blvd (Route 98) Improvements, Vicinity of Queen's Medical Center	DES	30	0	30																LOCAL
	CON	11,000	0	11,000																LOCAL
Estimated Total Project Cost - \$12,000,000 -- Install a right turn lane from Lusitana Street to the Vineyard Boulevard eastbound freeway on-ramp. This project being designed by QMC.																				
OAHU : STATE - FHWA TOTAL		191,900	78,809	113,091	29,877	75,981	(46,104)	67,537	80,392	(12,855)	135,329	78,235	57,094	76,709	98,077	(21,368)	115,704	99,614	16,090	

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		TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	
OAHU : STATE - FTA																				
OAHU : STATE - FTA TOTAL		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

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PROJECT		PHASE	FFY2011 (Oct 1, 10 - Sep 30, 11)			FFY2012 (Oct 1, 11 - Sep 30, 12)			FFY2013 (Oct 1, 12 - Sep 30, 13)			FFY2014 (Oct 1, 13 - Sep 30, 14)			FFY2015 (Oct 1, 14 - Sep 30, 15)			FFY2016 (Oct 1, 15 - Sep 30, 16)			FUND CATEGORY & REMARKS	
			TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)		
CITY & COUNTY OF HONOLULU - FHWA																						
OC1.	Alapai Transit Center Multi-Use Path	CON	810	600	210																STP FLEXIBLE	
Estimated Total Project Cost - \$810,000 -- Construct a multi-use path between Alapai Street and Kealamakai Street. This will serve as a connection of the multi-use path from Ewa of Alapai to Hotel Street and will provide a path for pedestrians and bicyclists.																						
OC2.	Alapai Transportation Management Center	DES	3,702	2,672	1,030	3,610	2,880	730	1,000	0	1,000	1,000	0	1,000	5,692	0	5,692	2,049	0	2,049	STP FLEXIBLE	
		CON	13,375	0	13,375	21,188	6,480	14,708	20,827	8,480	12,347	21,187	7,120	14,067	23,601	10,760	12,841	23,600	10,760	12,840	STP FLEXIBLE	
Estimated Total Project Cost - \$140,831,000 -- The transportation management center will be a joint communication center to be built behind the Alapai Transit Center. The center will combine transportation management w/ City, State and emergency response agencies. The City's Emergency Op Center will be relocated to the JTMC.																						
OC3.	Bicycle Projects	ROW	1	0	1																LOCAL	
	Kalaheo Avenue	PLAN	1	0	1																LOCAL	
		DES	148	0	148																STP FLEXIBLE	
		CON	2106	1556	550																STP FLEXIBLE	
	University Ave, Varsity Place, Makakilo Loop, Hamakua Drive	ROW				1	0	1													LOCAL	
	Maile to Waianae (valley route) and Young Street	PLAN				100	0	100													LOCAL	
		DES				1000	800	200													STP FLEXIBLE	
		CON				600	0	600													STP FLEXIBLE	
	University Avenue and Varsity Place. Dole Street	ROW							1	0	1										LOCAL	
		PLAN							100	0	100										LOCAL	
		DES							200	160	40										STP FLEXIBLE	
		CON							1550	1200	350										STP FLEXIBLE	
	Hamakua Drive and Young Street	ROW										1	0	1							LOCAL	
		PLAN										100	0	100							LOCAL	
		DES										300	0	300							STP FLEXIBLE	
		CON										2400	1880	520							STP FLEXIBLE	
	Maile to Waianae (vally route). Laie Loop	ROW													1	0	1				LOCAL	
		PLAN													100	0	100				LOCAL	
		DES													50	40	10				STP FLEXIBLE	
		CON													2600	2040	560				STP FLEXIBLE	
	Makakilo Look and Dole Street	ROW																1	0	1	LOCAL	
		PLAN																100	0	100	LOCAL	
		DES																300	0	300	STP FLEXIBLE	
		CON																2350	1840	510	STP FLEXIBLE	
Estimated Total Project Cost - \$14,111,000 -- This is an ongoing islandwide program for the implementation of the Oahu Bicycle Master Plan improvements, the development of new projects and the upgrade of existing bicycle facilities.																						
OC4.	Bridge Inspection and Appraisal	DES	900	720	180	900	720	180	1,000	800	200	1,000	800	200	1,000	800	200	1,000	800	200	BRIDGE OFF-SYSTEM	
Estimated Total Project Cost - \$5,800,000 -- Inventory, inspect and appraise City bridges, including underwater inspection, surveys, scour survey/evaluation and preparation of plans for bridge repairs.																						
OC5.	Computerized Traffic Control System																					
	Phase 13: Mililani Mauka Area	EQP	1	0	1																LOCAL	
		DES	300	240	60																STP FLEXIBLE	
		CON	3,180	2,400	780																STP FLEXIBLE	
	Phase 14: Mililani Town - Part 1	EQP				1	0	1													LOCAL	
		DES				375	300	75													STP FLEXIBLE	
	Phase 15: Mililani Town - Part 2 & Expand fiber to Wahiawa	EQP							1	0	1										LOCAL	
		DES							375	300	75										STP FLEXIBLE	
		CON							3,180	2,400	780										STP FLEXIBLE	
	Phase 16: Wahiawa Town Area	EQP										1	0	1							LOCAL	
		DES										380	300	80							STP FLEXIBLE	
	Phase 17: Makakilo Area & Extend fiber towards Nanakuli	EQP													1	0	1				LOCAL	
		DES													380	300	80				STP FLEXIBLE	
		CON													3,230	2,400	830				STP FLEXIBLE	
	Phase 18: Undetermined at this time	EQP																1	0	1	LOCAL	
		DES																380	300	80	STP FLEXIBLE	
		CON																3,230	2,400	830	STP FLEXIBLE	
Estimated Total Project Cost - \$15,016,000 -- Upgrade and expand fiber optic lines, closed-circuit television (CCTV) cameras, data collection and signal control in the urban center and outlying areas for connectivity to the Honolulu Traffic Control Center.																						

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		TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	
OC6. Kapolei Parkway (Route 8920) Kunehi Street to Kamokila Blvd.	DES	1	0	1																LOCAL
	CON	4,400	0	4,400	3,530	2,640	890													STP FLEXIBLE
	CON	14,149	7,754	6,395																STP FLEXIBLE
		Estimated Total Project Cost - \$22,080,000 -- Construct Kapolei Parkway from Kanehi Street to Kamokila Boulevard. Kamokila Boulevard to Kama'aha Avenue will be federally funded. The segment from Kama'aha Avenue to Kunehi Street will be locally funded.																		
OC7. Makakilo Drive (Route 8810) Extension Phase 1	CON										22,550	0	22,550							LOCAL
	Phase 2	CON															47,410	37,928	9,482	STP FLEXIBLE
		Estimated Total Project Cost - \$85,500,000 -- Construct an extension of Makakilo Drive from Palehua Subdivision to the H-1 Freeway																		
	CON										22,000	0	22,000	22,000	17,600	4,400	22,000	17,600	4,400	STP FLEXIBLE
OC8. Salt Lake Blvd (7311) Route Widening Maluna Street to Ala Liliko'i Street	CON																			
		Estimated Total Project Cost - \$66,000,000 -- Widen Salt Lake Boulevard from two to six lanes, between Maluna Street and Ala Liliko'i Street.																		
OC9. Seismic Bridge Retrofit	DES				600	480	120										600	480	120	BRIDGE OFF-SYSTEM
	CON										1,500	1,200	300							BRIDGE OFF-SYSTEM
		Estimated Total Project Cost - \$2,700,000 -- Research various bridge plans and files, do site inspections, conduct seismic evaluations, identify alternate schemes for seismic retrofit. Construct retrofit measures.																		
OC10. Traffic Improvements at Various Locations Phase 1	ROW	1	0	1																LOCAL
	PLN	1	0	1																LOCAL
	DES	447	0	447																LOCAL
	CON	1,548	998	550																STP FLEXIBLE
	EQUIP	1	0	1																LOCAL
	Phase 2	ROW			50	0	50													LOCAL
		PLN			50	0	50													LOCAL
		DES			400	0	400													LOCAL
		CON			970	0	970													LOCAL
	Phase 3	ROW						50	0	50										LOCAL
		PLN						50	0	50										LOCAL
		DES						400	0	400										LOCAL
		CON						1,930	960	970										STP FLEXIBLE
	Phase 4	ROW						50	0	50										LOCAL
		PLN						50	0	50										LOCAL
		DES						400	0	400										LOCAL
		CON						970	0	970										LOCAL
	Phase 5	ROW									50	0	50							LOCAL
		PLN									50	0	50							LOCAL
		DES									400	0	400							LOCAL
		CON									1,930	960	970							STP FLEXIBLE
	Phase 6	ROW															50	0	50	LOCAL
		PLN															50	0	50	LOCAL
		DES															400	0	400	LOCAL
		CON															1,930	960	970	STP FLEXIBLE
		Estimated Total Project Cost - \$12,288,000 -- Provide traffic congestion relief and improve safety at locations such as Dillingham Boulevard and Waiakamilo Road, Haleiwa Road and Kamehameha Highway, Palolo and Nanakuli.																		

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		TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	
OC11. Traffic Signals at Various Locations Phase 13	CON	3,145	2,500	645																STP FLEXIBLE
	EQUIP	1	0	1																LOCAL
	Phase 14	PLN	1	0	1															LOCAL
		DES	250	200	50															STP FLEXIBLE
	CON				3,145	2,500	645													STP FLEXIBLE
	EQP				1	0	1													LOCAL
	Phase 15	PLN				1	0	1												LOCAL
		DES				250	200	50												STP FLEXIBLE
	CON							3,126	2,500	626										STP FLEXIBLE
	EQP							1	0	1										LOCAL
	Phase 16	PLN							1	0	1									LOCAL
		DES							250	200	50									STP FLEXIBLE
	CON										3,126	2,500	626							STP FLEXIBLE
	EQP										1	0	1							LOCAL
	Phase 17	PLN										1	0	1						LOCAL
		DES										250	200	50						STP FLEXIBLE
	CON																			STP FLEXIBLE
	EQP														3,126	2,500	626			LOCAL
	Phase 18	PLN													1	0	1			LOCAL
		DES													250	200	50			STP FLEXIBLE
CON																3,126	2,500	626	STP FLEXIBLE	
EQP																			LOCAL	
Phase 19	PLN																1	0	1	LOCAL
	DES																250	200	50	STP FLEXIBLE
Estimated Total Project Cost - \$20,306,000 -- Install, modify and upgrade traffic signals island wide, including 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 and coordination.																				
OC12. Upgrade Pedestrian Signals at Various Locations, East Honolulu, Pearl City, Ewa and Windward areas	DES	30	0	30	30	0	30	10	0	10										LOCAL
	CON	480	360	120	400	0	400	100	0	100										STP FLEXIBLE
Estimated Total Project Cost - \$1,050,000 -- Install and upgrade pedestrian signals island wide to the new countdown pedestrian signals. The project will also upgrade existing pedestrian push buttons to ADA compliant push buttons.																				
OAHU : C&C OF HONOLULU - FHWA TOTAL			48,979	20,000	28,979	37,202	17,000	20,202	34,152	17,000	17,152	77,267	14,000	63,267	64,463	37,600	26,863	108,829	75,768	33,061

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			TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)		
CITY & COUNTY OF HONOLULU - FTA																						
OC13. Agency Provided Trips																						
		OPR	147	73	74	155	77	78	163	81	82	171	85	86	179	89	90	187	93	94	FTA \$5316 JARC Urb	
		OPR	378	189	189	397	198	199	417	208	209	437	218	219	457	228	229	477	238	239	FTA \$5317 NF Urb	
Estimated Total Project Cost - \$4,293,000 -- To operate transportation services that would help reduce the number of trips on The Handi-Van and lower operating costs while improving service.																						
OC14. Bus and Handi-Van Acquisition Program																						
FY2011: 5 Low Floor Handi-Van		EQP	591	376	215																FTA \$5307/\$5340	
FY2011: 30 High Floor Handi-Van		EQP	3,550	2,258	1,292																FTA \$5307/\$5340	
FY2011: 10 40' clean diesel buses		EQP	3,960	2,519	1,441																FTA \$5307/\$5340	
FY2011: 10 45' clean diesel buses		EQP	4,639	2,834	1,805																FTA \$5307/\$5340	
FY2011: 3 40' clean diesel buses		EQP	1,593	1,157	436																FTA \$5309 B&BF	
FY2011: 8 40' clean diesel buses		EQP	3,300	2,138	1,162																FTA \$5309 FGM	
FY2012: 16 Low Floor Handi-Van		EQP				1,760	0	1,760													LOCAL	
FY2012: 14 High Floor Handi-Van		EQP				2,940	0	2,940													LOCAL	
FY2012: 13 40' clean diesel buses		EQP				6,045	0	6,045													LOCAL	
FY2012: 8 45' clean diesel buses		EQP				4,746	0	4,746													LOCAL	
FY2012: 3 40' clean diesel buses		EQP				2,635	2,168	467													FTA \$5309 FGM	
FY2013: 25 Low Floor Handi-Van		EQP							3,005	0	3,005										LOCAL	
FY2013: 5 High Floor Handi-Van		EQP							1,060	0	1,060										LOCAL	
FY2013: 9 40' clean diesel buses		EQP							4,293	0	4,293										LOCAL	
FY2013: 9 60' clean diesel buses		EQP							7,452	0	7,452										LOCAL	
FY2013: 3 40' clean diesel buses		EQP							2,812	2,183	629										FTA \$5309 FGM	
FY2014: 5 Low Floor Handi-Van		EQP										645	0	645							LOCAL	
FY2014: 20 High Floor Handi-Van		EQP										4,398	0	4,398							LOCAL	
FY2014: 1 30' clean diesel buses		EQP										426	0	426							LOCAL	
FY2014: 21 40' clean diesel buses		EQP										10,236	0	10,236							LOCAL	
FY2014: 1 45' clean diesel buses		EQP										621	0	621							LOCAL	
FY2014: 5 40' clean diesel buses		EQP										2,793	2,198	595							FTA \$5309 FGM	
FY2015: 18 Low Floor Handi-Van		EQP													2,394	0	2,394				LOCAL	
FY2015: 12 High Floor Handi-Van		EQP													2,739	0	2,739				LOCAL	
FY2015: 9 40' clean diesel buses		EQP													4,583	0	4,583				LOCAL	
FY2015: 11 45' clean diesel buses		EQP													6,897	0	6,897				LOCAL	
FY2015: 6 40' clean diesel buses		EQP													3,001	2,214	787				FTA \$5309 FGM	
FY2016: 14 Low Floor Handi-Van		EQP																1,918	0	1,918	LOCAL	
FY2016: 16 High Floor Handi-Van		EQP																3,776	0	3,776	LOCAL	
FY2016: 9 30' clean diesel buses		EQP																3,969	0	3,969	LOCAL	
FY2016: 8 40' clean diesel buses		EQP																4,120	0	4,120	LOCAL	
FY2016: 5 45' clean diesel buses		EQP																3,240	0	3,240	LOCAL	
FY2016: 6 40' clean diesel buses		EQUIP																3,094	2,229	865	FTA \$5309 FGM	
INSPECTION		INSP	104	0	104	111	0	111	115	0	115	119	0	119	123	0	123	120	0	120	LOCAL	
Estimated Total Project Cost - \$113,923,000 -- Purchase replacement transit buses and handi-van vehicles at estimated vehicle cost.																						
OC15. Honolulu High Capacity Transit Corridor Project (HHCTCP)			485,000	80,000	405,000	626,970	200,000	426,970	993,800	250,000	743,800	888,801	250,000	638,801	643,976	200,000	443,976	382,884	200,000	182,884	FTA \$5309 NS	
						94,030	30,000	64,030	123,200	31,000	92,200	110,199	31,000	79,199	103,024	32,000	71,024	63,116	33,000	30,116	FTA \$5307/\$5340	
Estimated Total Project Cost - \$5,163,495,000 -- Design and construct a fixed guideway system between East Kapolei and Ala Moana Center. The system includes stations and related appurtenances, park-and-ride facilities, a maintenance and storage facility, light metro vehicles and associated core systems.																						
a. Total estimated HHCTCP cost (YOE\$000) = \$5,163,495 (excluding Unallocated Contingency amount of \$184,186); ROW = \$125,075; PROF SVCS = \$933,589; CON = \$3,360,070; EQUIP = \$450,907; FINANCE CHARGES = \$290,294; RELOC = \$3,560																						
b. The estimated total project cost reflects escalation calculated by FTA's Project Management Oversight Consultant.																						
c. Estimated local share of total estimated costs (excluding Unallocated Contingency) is approximately \$3,372,675 (YOE\$000).																						
d. "PROF SVCS" = Professional Services and includes all services in FTA Standard Cost Category (SCC) 80: Professional, technical and management services related to the design and construction of the Project during the preliminary engineering, final design and construction phases. Includes environmental work, design, engineering, and architectural services, auditing, legal services, administration and management by agency staff or outside consultants; professional liability insurance and other non-construction insurance; professional services related to real estate and vehicles.																						
OC16. Local Shuttle Service																						
		OPER	152	76	76	160	80	80	168	84	84	176	88	88	192	96	96	208	104	104	FTA Section 5316 JARCUrb	
Estimated Total Project Cost - \$894,000 -- 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.																						

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		TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	
OC17. Middle Street Intermodal Center	PLN							1	0	1	1	0	1							LOCAL
	DES	300	0	300	2,500	0	2,500	200		200	200		200							LOCAL
	CON				1,810	1,327	483	29,322	23,458	5,864	29,336	23,469	5,867							FTA \$5309 B&BF
	EQUIP							1	0	1	1	0	1							LOCAL
Estimated Total Project Cost - \$63,672,000 -- Design, construct, inspect, and provide relocation funds for Phase II. Phase II is the completion of the Handi-Van parking lot, transit center platform and bus parking and parking garage.																				
OC18. Mobility Management Center	OPR	93	74	19	93	74	19	132	106	26	132	106	26	132	106	26	132	106	26	FTA Section 5307JARC-SmUrb
	OPR	248	198	50	249	199	50	121	71	50	355	284	71	355	284	71	355	284	71	FTA Section 5316 JARCurb
	OPR	77	62	15	78	63	15	70	56	14	70	56	14	70	56	14	70	56	14	FTA Section 5307 NF-SmUrb
	OPR	16	13	3	16	13	3	23	19	4	23	19	4	23	19	4	23	19	4	FTA Section 5317 NF-Urb
	EQUIP	50	40	10	64	51	13	7	5	2	7	5	2	7	5	2	7	5	2	FTA Section 5316 JARC-Urb
	EQUIP	50	40	10	64	51	13	6	5	1	6	5	1	6	5	1	6	5	1	FTA Section 5317 NF-Urb
Estimated Total Project Cost - \$3,319,000 -- To coordinate transit and human service transportation to improve access to transportation for seniors, people with disabilities, and persons with low incomes.																				
OC19. Preventive Maintenance	OPR	41,423	21,000	20,423	43,080	0	43,080	44,803	0	44,803	46,595	0	46,595	48,459	0	48,459	50,397	0	50,397	FTA \$5307/\$5340
Estimated Total Project Cost - \$274,757,000 -- Preventive maintenance of FTA-funded rolling stock (buses and handi-vans) to include parts, labor, and other related costs.																				
OC20. Transfer to FHWA for Vanpool	OPR	1,870	1,870	0	1,945	1,945	0	2,023	2,023	0	2,103	2,103	0	2,187	2,187	0	2,275	2,275	0	FTA \$5307/\$5340
Estimated Total Project Cost - \$12,403,000 -- Transfer FTA funds to FHWA for HDOT's Vanpool program.																				
OC21. Transit Safety and Security Projects	PLN	1	0	1																LOCAL
	DES	1	0	1																LOCAL
	EQUIP	455	365	90																FTA \$5307/\$5340
	OPER																			FTA
Estimated Total Project Cost - \$457,000 -- Capital projects at various transit locations to improve safety and security.																				
OC22. West Oahu Bus and Handi-Van Maintenance Facility	PLN				1		1	1	0	1	1	0	1	1	0	1	1	0	1	LOCAL
	ROW				500	0	500	1,000	0	1,000	1	0	1	1	0	1				LOCAL
	DES				1,850	0	1,850	4,200	0	4,200	8,000	0	8,000	1		1				LOCAL
	CON																			
	EQUIP										1	0	1	21,500	17,200	4,300	34,500	27,600	6,900	FTA \$5309 B&BF
	RELOC																			
	EQUIP							1,000	0	1,000	1	0	1	1	0	1	1	0	1	LOCAL
Estimated Total Project Cost - \$72,562,000 -- Plan, design, and construct a maintenance facility for bus and handi-van operations in West Oahu.																				
OC23. Windward Transit Center	PLN				1	0	1	1	0	1	1	0	1							LOCAL
	ROW				1	0	1	1	0	1	1	0	1							LOCAL
	DES				300	0	300	200	0	200	200	0	200							LOCAL
	CON							3,000	0	3,000	0	0	0							LOCAL
	INSP							150	0	150	1	0	1							LOCAL
	EQUIP							1	0	1	1	0	1							LOCAL
Estimated Total Project Cost - \$3,859,000 -- Plan, design, construct and inspect a transit center in Windward, Oahu.																				
OAHU : C&C OF HONOLULU - FTA TOTAL		547,998	115,282	432,716	792,501	236,246	556,255	1,222,748	309,299	913,449	1,106,059	309,636	796,423	840,308	254,489	585,819	554,876	266,014	288,862	

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PROJECT		PHASE	FFY2011 (Oct 1, 10 - Sep 30, 11)			FFY2012 (Oct 1, 11 - Sep 30, 12)			FFY2013 (Oct 1, 12 - Sep 30, 13)			FFY2014 (Oct 1, 13 - Sep 30, 14)			FFY2015 (Oct 1, 14 - Sep 30, 15)			FFY2016 (Oct 1, 15 - Sep 30, 16)			FUND CATEGORY & REMARKS						
			TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)							
HAWAII : STATE - FHWA																											
HS1. Akoni Pule Hwy (RTE 270) Realignment & Widening at Aamakao Gulch	CON										7,280	0	7,280							STP FLEXIBLE							
	ADVCON													0	5,824	(5,824)											
	Estimated Total Project Cost - \$8,500,000 -- Realign and widen roadway on the mauka side, improve shoulders and rock catchment area.																										
HS2. Akoni Pule Highway (Route 270), Bicycle Improvements, Mahukona Wharf Access Road to Hawi Road	DES							250	200	50										STP FLEXIBLE							
	Estimated Total Project Cost - \$2,000,000 -- Improve Akoni-Pule Highway bicycle routes, including signage, from Mahukona Wharf Access Road to Hawi Road.																										
HS3. Crater Rim Road (NPS)	CON	7,500	7,500	0																FED. LANDS HWY							
	Estimated Total Project Cost - \$8,500,000 -- Rehabilitation and resurfacing of the westerly 5-miles of Crater Rim Road. It will also include rehabilitation or expansion of a number of parking areas within the park.																										
HS4. Guardrail and Shoulder Improvements, Various Locations	DES										1,000	800	200							STP FLEXIBLE							
	CON																1,400	0	1,400								
	Estimated Total Project Cost - \$2,400,000 -- Improve guardrail and shoulders.																										
HS5. Hawaii Belt Road (Route 19), Bridge Repair and Painting, Umauma Bridge	CON	16,640	3,312	13,328																BRIDGE ON-SYSTEM							
	ADVCON				0	5,000	(5,000)	0	5,000	(5,000)																	
	Estimated Total Project Cost - \$19,600,000 -- Rehabilitate existing bridge.																										
HS6. Hawaii Belt Road (Route 19), Bridge Replacement, Pahoehoe Stream Bridge	DES				775	620	155													BRIDGE ON-SYSTEM							
	ROW																										
	CON										1,090	872	218														
	ADVCON													10,300	0	10,300											
Estimated Total Project Cost - \$11,700,000 -- Replace existing bridge.																								0	8,240	(8,240)	
HS7. Hawaii Belt Road (Route 19), Guardrail and Shoulder Improvements, Kaumoali Bridge Towards Waipunahina Bridge	CON				1,575	1,260	315													NHS							
	Estimated Total Project Cost - \$1,800,000 -- Improve guardrail and shoulders along Hawaii Belt Road from Kaumoali Bridge towards Waipunahina Bridge.																										
HS8. Hawaii Belt Road (Route 19), Guardrail and Shoulder Improvements, Kealakaha Bridge Towards Kaula Bridge	CON							1,400	1,120	280										NHS							
	Estimated Total Project Cost - \$1,800,000 -- Improve guardrail and shoulders from Kealakaha Bridge to Kaula Bridge																										
HS10. Hawaii Belt Road (Route 19), Guardrail and Shoulder Improvements, Papalele Rd towards Kaumoali Bridge	CON	1,514	1,211	303																NHS							
	Estimated Total Project Cost - \$1,800,000 -- Improve guardrail and shoulders along Hawaii Belt Road from Papalele Road towards Kaumoali Bridge.																										
HS11. Hawaii Belt Road (Route 19), Guardrail and Shoulder Improvements, Kaala Bridge Towards Kealakaha Bridge	CON													1,456	0	1,456				NHS							
	ADVCON																0	1,165	(1,165)								
	Estimated Total Project Cost - \$1,800,000 -- Improve guardrail and shoulders from Kaala Bridge to Kealakaha Bridge.																										
HS12. Hawaii Belt Road (Route 19), Guardrail and Shoulder Improvements, Waipunahina Bridge to East Paaulo Bridge	DES				112	90	22													NHS							
	CON																										
	ADVCON											1,600	0	1,600													
Estimated Total Project Cost - \$1,700,000 -- Improve guardrail and shoulders from Waipunahina Bridge to E. Paaulo Bridge.																					0	1,280	(1,280)				
HS13. Hawaii Belt Road (Route 19), Rockfall Protection at Various Sections, Phase I (Laupahoehoe Gulch)	CON	16,000	2,800	13,200																NHS							
	ADVCON				0	6,500	(6,500)	0	3,500	(3,500)																	
	Estimated Total Project Cost - \$19,000,000 -- Slope protection along Route 19, Hawaii Belt Road, in the vicinity of Laupahoehoe Gulch.																										
HS14. Hawaii Belt Road (Route 19), Rockfall Protection at Various Sections, Phase II (Maulua Gulch)	DES				600	480	120													NHS							
	Estimated Total Project Cost - \$17,000,000 -- Slope protection along Route 19, Hawaii Belt Road, in the vicinity of Maulua Gulch.																										

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		TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	
HS38. Hawaii Belt Road (Route 130) Safety Improvements at Kaawali Gulch	CON	310	279	31																HSIP
<i>Estimated Total Project Cost - \$400,000 -- Installation of milled rumble strips on centerline and shoulders, pavement markings, striping and signage.</i>																				
HS16. Hilo Bayfront Highway (Route 19), Shoreline Protection	CON										3,380	0	3,380							STP FLEXIBLE
	ADVCON													0	2,700	(2,700)				
<i>Estimated Total Project Cost - \$3,900,000 -- Construct groin fields in phases along Hilo Bayfront.</i>																				
HS18. Kawaihae Road Bypass, Waimea to Kawaihae, Phase 1 (First 5 miles)	DES	3,000	2,400	600																NHS
	PREROW							100	80	20										
<i>Estimated Total Project Cost - \$80,000,000 -- Construction of a two-lane alternate route from Waimea to Kawaihae, connecting the proposed Waimea Bypass to Queen Kaahumanu Hwy to improve traffic flow and improve traffic circulation.</i>																				
HS19. Kawaihae Road (Route 19), Waiaka Stream Bridge Replacement and Realignment of Approaches	DES	1,100	880	220																BRIDGE ON-SYSTEM
	PREROW				50	40	10													
	ROW							2,000	1,600	400										
	CON										10,000	0	10,000							
	ADVCON													0	8,000	(8,000)				
<i>Estimated Total Project Cost - \$14,000,000 -- Replacing the existing Waiaka Stream Bridge, realigning the bridge approaches, reconstructing the Route 19/Route 250 intersection and installing safety improvements.</i>																				
HS20. Keaau-Pahoa Road (Route 130) Improvements, Keaau to Pahoa	DES				3,000	2,400	600													STP FLEXIBLE
	PREROW							100	80	20										
	ROW							1,800	1,440	360										
<i>Estimated Total Project Cost - \$35,000,000 -- Improve traffic capacity, circulation and safety along Route 130.</i>																				
HS39. Keaau-Pahoa Road (Route 130) Intersection Improvements at Old Government Road	CON				2,000	1,800	200													HSIP
<i>Estimated Total Project Cost - \$2,500,000 -- Intersection improvements will be identified and considered by conducting a traffic signal warrant and consulting the HDOT Modern Roundabout Policy Guideline.</i>																				
HS22. Keaau-Pahoa Road (Route 130), Intersection Improvements at Paradise Drive, Orchidland Drive, and Ainaloa Blvd	CON	2,500	2,250	250																HSIP
<i>Estimated Total Project Cost - \$3,000,000 -- Implement safety improvements at listed intersections.</i>																				
HS24. Kealahke Parkway Extension (Route 197), Keanalehu Drive to Kealakaa Street	DES							757	605	152										STP FLEXIBLE
	PREROW										50	40	10	1,080	864	216				
	ROW																			
<i>Estimated Total Project Cost - \$7,000,000 -- Extension of Kealahke Pkwy to match the existing section. Includes pavement markings, signs, drainage, guardrails and other miscellaneous work.</i>																				
HS25. Kuakini Highway (Route 11) Bicycle Improvements, King Kamehameha III Highway (Rte 185) to Mamalahoa Highway (Rte 11)	CON										520	416	104							STP FLEXIBLE
<i>Estimated Total Project Cost - \$700,000 -- Improve bicycle routes along Kuakini Highway from King Kamehameha III Highway to Mamalahoa Highway. Clear shoulders, paint stripes, and add signage.</i>																				

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		TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	
HS26. Kuakini Highway (Route 11) Widening, Henry Street (Rte 1830) to Kamehameha III Road (Rte 185), Phase 1	DES																1,560	1,248	312	STP FLEXIBLE
<i>Estimated Total Project Cost - \$27,000,000 -- Widen Kuakini Highway from two to four lanes with culverts, traffic signals and utilities. Improve shoulders to accommodate pedestrian and bicycle traffic.</i>																				
HS28. Kumau Street Improvements, Hilo (Harbors Division)	CON										2,500	0	2,500							STP FLEXIBLE
	ADVCON													0	2,000	(2,000)				
<i>Estimated Total Project Cost - \$3,000,000 -- Construction of a new entrance to Hilo Harbor and the expanded barge terminal area. Roadway connector link improvements (paving, utilities, lighting, roadway and sidewalk improvements) and intersection improvements with Kalanianaʻole Ave.</i>																				
HS29. Mamalahoa Highway (Route 11), Hilea Bridge Replacement	DES										780	624	156							BRIDGE ON-SYSTEM
	ROW																420	336	84	
<i>Estimated Total Project Cost - \$8,500,000 -- Replace existing bridge.</i>																				
HS30. Mamalahoa Highway (Route 11) Drainage Improvements at Kawa	CON	5,400	4,320	1,080																STP FLEXIBLE
<i>Estimated Total Project Cost - \$6,000,000 -- Drainage improvements, including the installation of box culverts and raising of the roadway.</i>																				
HS31. National Recreational Trails Program - Hawaii (DLNR)	CON	374	299	75	374	299	75	374	299	75	374	299	75	374	299	75	374	299	75	NATIONAL RECREATIONAL TRAILS (DLNR)
<i>Estimated Total Project Cost - \$2,240,000 -- A Federal-aid assistance program to help the State provide and maintain recreational trails for both motorized and non-motorized recreational use. Anticipated funding for Big Island program.</i>																				
HS32. Puainako St (Rte 2000) Widening, Kanoelehua Ave (Rte 11) to Komohana St (Rte 1940), Phase I - Komohana to Kawili (Rte 2770)	PREROW							50	40	10										STP FLEXIBLE
	ROW										1,000	800	200							EARMARK-HIGH PRIORITY
	ROW										5,100	4,080	1,020							STP FLEXIBLE
<i>Estimated Total Project Cost - \$28,000,000 -- Widen and realign Puainako Street from 2 to 4 lanes. Improvements also include installing traffic signals, signs, pavement markings, hwy lighting, guardrails, and sidewalks.</i>																				
HS33. Puainako St (Rte 2000) Widening, Kanoelehua Ave (Rte 11) to Komohana St (Rte 1940), Phase II - Kawili (Rte 2770) to Kilauea (Rte 1920)	DES										1,600	1,280	320							STP FLEXIBLE
	PREROW													50	40	10				
<i>Estimated Total Project Cost - \$37,000,000 -- Widen and realign Puainako Street from 2 to 4 lanes. Improvements also include installing traffic signals, signs, pavement markings, hwy lighting, guardrails, and sidewalks.</i>																				
HS34. Queen Kaahumanu Highway (Route 19), Intersection Improvements at Kawaihae Road (Route 19)	CON				1,100	990	110													HSIP
	ROW	156	140	16																
<i>Estimated Total Project Cost - \$1,500,000 -- Improve operation, capacity and safety of Queen Kaahumanu Hwy and Kawaihae Road intersection.</i>																				
HS35. Queen Kaahumanu Highway (Route 19) Widening Keahole Airport to Kawaihae Harbor	PLN							4,300	3,440	860										NHS
<i>Estimated Total Project Cost - \$150,000,000 (needs to be phased) -- Conduct planning and environmental study to assess alternatives and impacts to widening Queen Kaahumanu Highway from 2 to 4 lanes from Keahole Airport to Kawaihae Harbor.</i>																				
HS36. Saddle Road Extension	DES										9,000	7,200	1,800							STP FLEXIBLE
	PREROW																100	80	20	
<i>Estimated Total Project Cost - \$180,000,000 (needs to be phased) -- New roadway and/or realignment and extending Saddle Road from the Kona terminus at Mamalahoa Highway to the Queen Kaahumanu Highway.</i>																				
HS37. SADDLE ROAD (Route 200) IMPROVEMENTS	ROW	4,000	4,000	0																EARMARK - HIGH PRIORITY
Saddle Road Improvements, Phase 2D: East Side Grade & Pave MP 6 to 11	CON							50,000	50,000	0										
Saddle Road Improvements, West Side MP 42 to Mamalahoa Hwy																				EARMARK - HIGH PRIORITY
Phase 1	CON				20,000	20,000	0													
Phase 2	CON							20,000	20,000	0										
Phase 3	CON										20,000	20,000	0							
Phase 4	CON													15,000	15,000	0				
<i>Estimated Total Project Cost - \$250,000,000 -- Widen and/or realign the existing two-lane highway.</i>																				
HAWAII : STATE - FHWA TOTAL		58,494	29,391	29,103	29,586	39,479	(9,893)	79,331	85,964	(6,633)	67,074	37,851	29,223	28,260	36,007	(7,747)	3,854	11,368	(7,514)	

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		TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	
COUNTY OF HAWAII - FHWA																				
HC1. Alii Drive (Route 186) Culvert Replacement	CON				10,000	8,000	2,000													STP FLEXIBLE
Estimated Total Project Cost - \$11,000,000 -- Replacement of an existing culvert with a new bridge and transitional structures at Alii Drive.																				
HC2. Alii Drive (Route 186) Road Improvements Along Oneo Bay, From Hualalai Road (Route 1880) to Walua Road (Route 187) Phase 1	DES	50	40	10																STP ENHANCEMENT
	ROW				500	400	100													
	CON													5,600	4,480	1,120				
Phase 2	DES							50	40	10										
	CON																5,400	4,320	1,080	
Estimated Total Project Cost - \$11,600,000 -- Provide bicycle, pedestrian, landscaping and scenic view improvements along Alii Drive from Hualalai Road to Walua Road by undergrounding existing overhead utilities.																				
HC3. Alii Highway (Route 1110), Kamehameha III Rd (Route 185) to Queen Kaahumanu Hwy (Route 19) Phase 1 - Part 1	CON	2,000	1,600	400																STP FLEXIBLE
Estimated Total Project Cost - \$105,000,000 -- Ph I, Part 1 will remove vegetation from the entire 4.75-miles. Ph I, Part 2, in FY 2013, will construct 2.5 miles of 24-ft wide road starting at Kamehameha III Hwy and ending at the Lako St. Extension. Ph II will complete construction from Lako St to Queen Kaahumanu Hwy.																				
HC5. Bridge Inspection and Appraisal	PLN	100	80	20	100	80	20	100	80	20	100	80	20	100	80	20	100	80	20	BRIDGE OFF-SYSTEM
Estimated Total Project Cost - \$600,000 -- Inspection of county-maintained bridges as required by FHWA.																				
HC6. Kaahakini Bridge Rehabilitation	CON	2,000	1,600	400																BRIDGE OFF-SYSTEM
Estimated Total Project Cost - \$2,300,000 -- Rehabilitation of an existing bridge including transitional structures.																				
HC7. Kaiminani (Route 198) Resurfacing (Mamalahoa Highway (Rte 190) to Queen Kaahumanu Highway (Rte19))	DES	10	8	2																STP FLEXIBLE
	CON	6,000	4,800	1,200																
Estimated Total Project Cost - \$6,500,000 -- Resurfacing approximately 3.6 miles of Kaiminani from the Mamalahoa Hwy to the Queen Kaahumanu Hwy. Work to include road bed reconstruction, shoulder/driveway repairs and drainage improvements.																				
HC8. Kamehameha Avenue (Route 1910) Resurfacing, Wailoa Bridge to Ponahawai Street	DES	10	8	2																STP FLEXIBLE
	CON							9,250	7,400	1,850										
Estimated Total Project Cost - \$10,000,000 -- Resurfacing approx. 0.75 miles of Kamehameha Ave. from the end of State Hwy at Wailoa Bridge to Ponahawai St. Work to include road bed reconstruction, sidewalk/driveway repairs, drainage, sidewalk and ADA improvements.																				
HC9. Kawaiiani (Rte 2760)/Pohakulani/Ainaola (Rte 2750) & Kawaiiani (Rte 2760)/Iwalani (Rte 2770) Intersection Improvements Phase 2	DES	10	8	2																STP FLEXIBLE
	CON										16,800	13,440	3,360							
Estimated Total Project Cost - \$18,000,000 -- Installation of synchronized traffic signals at the Kawaiiani/Iwalani and Kawaiiani/Pohakulani intersections; including land acquisition, realignment of Ainaola Drive, channelization, utility relocation and construction of curbs, gutters, sidewalks and related drainage improvements.																				
HC10. Kuakini Highway (Route 1100) Widening, Hualalai Road (Route 1880) to Alii Highway	DES	50	40	10																STP FLEXIBLE
	CON							7,000	5,600	1,400										
Estimated Total Project Cost - \$8,000,000 -- Widen approx. 1.5 miles of Kuakini Hwy to increase capacity between Hualalai Road and the new Alii Highway.																				
HC11. Mamalahoa Highway (Route 19) Widening (Mudlane to North Hawaii Community Hospital)	PLN	10	8	2																STP FLEXIBLE
	DES				10	8	2													
	ROW													1,080	864	216				
Estimated Total Project Cost - \$34,000,000 -- Widen approximately 4.5-miles of Mamalahoa Highway from Mudlane to the north Hawaii Community Hospital to increase vehicular capacity and improve safety by adding turning lanes. Work includes drainage, shoulder and bike lane improvements.																				
HC12. Reed's Island Bridge Rehabilitation	CON	5,000	4,000	1,000																BRIDGE OFF-SYSTEM
Estimated Total Project Cost - \$5,500,000 -- Rehabilitation of an existing bridge including transitional structures.																				
HAWAII : COUNTY OF HAWAII - FHWA TOTAL		15,240	12,192	3,048	10,610	8,488	2,122	16,400	13,120	3,280	16,900	13,520	3,380	6,780	5,424	1,356	5,500	4,400	1,100	

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		TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	
COUNTY OF HAWAII - FTA																				
HC13. Bus and Bus Facility	EQP/OPR	819	655	164	844	675	169	869	695	174	894	715	179	919	735	184	944	755	189	FTA SECTION 5309 (Rural Bus Prgm)
Estimated Total Project Cost - \$5,300,000 -- Purchase buses and operate bus transit facilities.																				
HC14. Rural Transportation Program	EQP/OPR	844	675	169	869	695	174	894	715	179	919	735	184	944	755	189	969	775	194	FTA SECTION 5311
Estimated Total Project Cost - \$5,440,000 -- Operate public transit system.																				
HAWAII : COUNTY OF HAWAII - FTA TOTAL		1,663	1,330	333	1,713	1,370	343	1,763	1,410	353	1,813	1,450	363	1,863	1,490	373	1,913	1,530	383	

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FFY 2011 THRU FFY 2014 (FFY 2015-2016 Informative Only)
Revision Effective Date: September 1, 2010

Project Criteria Color Key: GREEN = SYSTEM PRESERVATION PURPLE = SAFETY IMPROVEMENTS BROWN = CONGESTION MITIGATION PINK = MODERNIZATION ORANGE = ENHANCEMENT BLUE = HUMAN SERVICES TRANSPORTATION PROGRAM TURQUOISE = TRANSIT

PROJECT	PHASE	FFY2011 (Oct 1, 10 - Sep 30, 11)			FFY2012 (Oct 1, 11 - Sep 30, 12)			FFY2013 (Oct 1, 12 - Sep 30, 13)			FFY2014 (Oct 1, 13 - Sep 30, 14)			FFY2015 (Oct 1, 14 - Sep 30, 15)			FFY2016 (Oct 1, 15 - Sep 30, 16)			FUND CATEGORY & REMARKS
		TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	
MAUI : STATE - FHWA																				
MS1. Guardrail and Shoulder Improvement Program at Various Locations, Maui																				STP FLEXIBLE
Part 1	CON							1,400	1,120	280										
Part 2	CON													1,000	800	200				
Estimated Total Project Cost - \$2,750,000 -- Improve guardrails and shoulders at various locations.																				
MS2. Haleakala Crater Road, (Route 378), Bikeway Pull-Out Areas	CON	312	250	62																STP ENHANCEMENT
Estimated Total Project Cost - \$400,000 -- Improve Haleakala National Park Access Road to accommodate bicyclists.																				
MS3. Hana Highway (Route 36)/ Kaahumanu Ave. (Route 32) Beautification	CON				1,066	853	213													STP ENHANCEMENT
Dairy Road (Route 380) to Naniiloa Overpass																				
Estimated Total Project Cost - \$1,200,000 -- Beautification of the main corridor between Kahului and Wailuku to include landscape and irrigation.																				
MS4. Hana Highway (Route 36) Widening, Kaahumanu Avenue (Route 32) to Vicinity of Airport Access Road	ROW	104	83	21							6,240	0	6,240							NHS
	CON													0	4,992	(4,992)				
	ADVCON																			
Estimated Total Project Cost - \$7,000,000 -- Widen Hana Highway.																				
MS5. Honoapiilani Highway (Route 30), Bridge Replacement, Honolulu Bridge	ROW	747	598	149							5,000	4,000	1,000							BRIDGE ON-SYSTEM
	CON																			
Estimated Total Project Cost - \$6,250,000 -- Replacement of a concrete T-beam bridge on Honoapiilani Hwy in the vicinity of Honolulu Bay.																				
MS7. Honoapiilani Highway (Route 30) Realignment, Phase 1B2, Hokiokio Place to Relocated Southern Terminus	DES							2,000	1,600	400										NHS
Estimated Total Project Cost - \$49,000,000 -- Continuation of Lahaina Bypass from Hokiokio Place to Relocated Southern Terminus.																				
MS30. Honoapiilani Highway (Route 30), Safety Improvements at Kaanapali Parkway and Halelo Street	CON	210	189	21																HSIP
Estimated Total Project Cost - \$250,000 -- Install flashing beacon on Honoapiilani Hwy as approaching Kaanapali northbound. Check for adequate signal signs and lighting. Update traffic signal heads, pavement markings, striping and signing.																				
MS8. Honoapiilani Highway (Route 30) Safety Improvements, Vicinity of Kapoli Street to Ukumehameha Beach Park Road	CON				2,920	2,628	292													HSIP
Estimated Total Project Cost - \$3,300,000 -- Installation of milled rumble strips on centerline and shoulders, construct shoulder widening and drainage improvements, installation of guardrails and end treatments and upgrade/replace pavement markings and signing.																				
MS31. Honoapiilani Highway (Route 30), Shoreline Improvements, Vicinity of Olowalu	CON	2,080	1,664	416																NHS
Estimated Total Project Cost - \$2,400,000 -- Shoreline protection for approximately 1000 feet of Honoapiilani Highway on the west side of Hekili Point.																				
MS9. Honoapiilani Highway (Route 30) Widening and/or Realignment, Phase IC, Keawe Street Extension to north of Kaanapali Connector	DES	500	400	100																NHS
	PREROW							50	40	10										
Estimated Total Project Cost - \$78,000,000 -- Continuation of Lahaina Bypass from Keawe Street Extension to Kaanapali Connector.																				
MS10. Honoapiilani Highway (Route 30) Widening, Maalaea to Launiupoko	DES																4,160	3,328	832	NHS
	PREROW																100	80	20	
Estimated Total Project Cost - \$45,000,000 -- Improvements to Honoapiilani Hwy between Maalaea and Launiupoko to address high ocean surges crossing portions of the hwy, traffic accidents & fire hazards. Improvements may involve widening portions of the existing hwy and/or constructing a new hwy along a different alignment. Planning phase to determine the scope of the improvements is underway.																				
MS11. Kahului Airport Access Road (Route 3800)	ROW	400	320	80																EARMARK - HIGH PRIORITY
	CON							30,000	11,000	19,000										NHS
	ADVCON										0	6,500	(6,500)	0	6,500	(6,500)				
Estimated Total Project Cost - \$33,000,000 -- Construction for a portion of the new access road to Kahului Airport from the vicinity of Puunene Ave to Hana Hwy. Includes landscaping, drainage, hwy lighting, utilities and other misc improvements.																				
MS32. Kahului Beach Road (Route 3400), Lighting Improvements at Kanaloa Avenue (Route 3420)	CON	520	468	52																HSIP
Estimated Total Project Cost - \$750,000 -- Improve lighting along Kahului Beach Road and Kanaloa Avenue.																				

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MS12. Kahului Beach Road (Route 3400), Shoreline Protection Kahului Bay (#1)	CON				4,325	3,460	865													STP FLEXIBLE
Estimated Total Project Cost - \$5,000,000 -- Construct a seawall for about 800 feet of highway outside the harbor that would provide storm wave protection to the highway. Also construct low-profile concrete retaining wall at the waters edge to minimize accumulation of seaweed on the shoreline.																				
MS14. National Recreational Trails Program - Maui (DLNR)	CON	449	359	90	449	359	90	449	359	90	449	359	90	449	359	90	449	359	90	NATIONAL RECREATIONAL TRAILS (DLNR)
Estimated Total Project Cost - \$2,700,000 -- A Federal-aid assistance program to help the State provide and maintain recreational trails for both motorized and non-motorized recreational use. Anticipated funding for Maui program																				
MS15. North Kihei Road (Route 310), Shoreline Protection, Vicinity of Kealia Pond (#6)	CON							5,300	0	5,300										STP FLEXIBLE
MS16. Paia Bypass Road (Paia Alternative Route, Vicinity of Spreckelsville to Vicinity of Hookipa Park)	ADVCON										0	4,240	(4,240)							
	DES																			
	PREROW							3,245	2,596	649										STP FLEXIBLE
MS17. Puunene Avenue (Route 3500) Bicycle Improvements, Kaahumanu Avenue (Route 32) to Kuihelani Highway (Route 380)	ROW										100	80	20							
	CON																3,200	2,560	640	
Estimated Total Project Cost - \$90,000,000 -- Plans for alternative traffic improvements in the vicinity of Paia town.																				
MS33. Puunene Avenue (Route 3500) Safety Improvements, Kaahumanu Ave. (Route 32) to Kamehameha Ave. (Route 3940)	CON	520	468	52																STP FLEXIBLE
Estimated Total Project Cost - \$2,000,000 -- Create bicycle route/lanes on Puunene Ave. from Kaahumanu Ave. to Kuihelani Hwy, as called for in Bike Plan Hawaii.																				
MS18. Puunene Avenue (Rte 3500) Widening, Kamehameha Avenue (Rte 3940) to Kuihelani Highway (Route 380)	CON										4,500	3,600	900							STP FLEXIBLE
MS19. Waiehu Beach Road (Route 3400), Bridge Rehabilitation Iao Stream Bridge	ROW	30	24	6																
	CON																			
Estimated Total Project Cost - \$5,000,000 -- Widen Puunene Ave.																				
MS19. Waiehu Beach Road (Route 3400), Bridge Rehabilitation Iao Stream Bridge	CON	6,500	5,200	1,300																BRIDGE ON-SYSTEM
Estimated Total Project Cost - \$7,200,000 -- Rehabilitation of a concrete tee-beam bridge on Waiehu Beach Road in the vicinity of Wailuku.																				
MOLOKAI																				
MS20. Guardrail and Shoulder Improvements Program at Various Locations, Molokai																				STP FLEXIBLE
Part 1	CON	750	600	150																
Part 2	CON							750	600	150										
Part 3	CON													750	600	150				
Estimated Total Project Cost - \$2,500,000 -- Improve guardrails and shoulders at various locations.																				
MS21. Kamehameha V Highway (Route 450), Bridge Rehabilitation Kaimioloa Stream Bridge	DES																865	692	173	BRIDGE ON-SYSTEM
Estimated Total Project Cost - \$6,000,000 -- Rehabilitation of the existing bridge to meet current bridge standards.																				
MS22. Kamehameha V Highway (Route 450), Bridge Replacement Makakupaia Stream Bridge	CON				3,817	3,054	763													BRIDGE ON-SYSTEM
Estimated Total Project Cost - \$5,000,000 -- Kamehameha V Highway (Route 450) Puuloa Interchange Ramp "A" Seismic Rehabilitation. Milepost 3.94. Rehabilitate existing 43-foot long bridge by widening and strengthening to meet current State standards.																				
MS23. Kamehameha V Highway (Route 450), Shoreline Protection, Vicinity of Niaupala Fishpond	CON													1,400	1,120	280				STP FLEXIBLE
Estimated Total Project Cost - \$2,000,000 -- Construct a revetment for the reconstruction and protection of the highway shoulder.																				
MAUI : STATE - FHWA TOTAL		13,122	10,623	2,499	14,137	11,602	2,535	41,194	15,715	25,479	18,289	20,379	(2,090)	3,599	14,371	(10,772)	8,774	7,019	1,755	

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MAUI : STATE - FTA																				
MS24. Lahaina Small Boat Harbor and Ferry Pier	CON	3,875	3,100	775																FTA SECTION 5309
Estimated Total Project Cost - \$5,000,000 -- New ferry pier, sewage pump-out stations, lighting, berthing area, dredging, replacing the existing administration office and ferry ticket booth, resurfacing Wharf Street, new parking stalls and sidewalk widening.																				
MS25. Improvements at Maalaea Small Boat Harbor, Ferry System Improvements	CON	10,068	8,055	2,013																FTA SECTION 5309
Estimated Total Project Cost - \$12,000,000 -- Repairing existing loading dock and reconstructing the adjacent administrative office building on the South Mole; installing electrical utilities and street lights, water mains and other utilities; repair South Mole roadway and parking areas, new comfort station.																				
MS26. Maalaea Small Boat Harbor Improvements	DES	1,250	1,000	250																FTA SECTION 5309
	CON				10,000	8,000	2,000													FTA SECTION 5309
Estimated Total Project Cost - \$12,000,000 -- Planning for improvements to the South Mole to accommodate the increased need to facilitate ferry passenger drop off and loading due to limited existing parking.																				
MOLOKAI																				
MS27. Kaunakakai Harbor Ferry System Improvements	CON	1,500	1,200	300																FTA SECTION 5309
Estimated Total Project Cost - \$2,000,000 -- Construct new restroom/administrative office; sewer pump station and force main to the county sewer system; sewage pump out station; water main and fire hydrants.																				
LANAI																				
MS29. Manele Small Boat Harbor Ferry Pier	DES	938	750	188																FTA SECTION 5309
	CON	10,000	8,000	2,000	2,813	2,250	563													FTA SECTION 5309
Estimated Total Project Cost - \$15,000,000 -- New ferry pier, loading dock and related improvements.																				
MAUI : STATE - FTA TOTAL		27,631	22,105	5,526	12,813	10,250	2,563	0	0	0	0	0	0	0	0	0	0	0	0	

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COUNTY OF MAUI - FHWA																					
MC3.	Bridge Inspection and Appraisal	PLN	300	240	60				300	240	60				300	240	60				BRIDGE OFF-SYSTEM
Estimated Total Project Cost - \$900,000 -- Inspection of county-maintained bridges as required by FHWA.																					
MC4.	Haliimaile Road (Route 371) Resurfacing, Haleakala Highway to Baldwin Avenue	CON	2,100	1,680	420															STP FLEXIBLE	
Estimated Total Project Cost - \$2,500,000 -- Resurface approximately 3 miles of Haliimaile Road.																					
MC5.	Hansen Road Pavement Reconstruction, Hana Highway to Puunene Avenue	DES				500	0	500												LOCAL	
		ROW				200	0	200												LOCAL	
		CON												3,536	2,496	1,040				STP FLEXIBLE	
Estimated Total Project Cost - \$4,300,000 -- Reconstruct pavement on Hansen Road from Puunene Ave to Hana Highway. Improvements to include pavement striping and marking, signage and safety improvements. Approximately 2 miles.																					
MC6.	Hina Avenue (Route 3930) Pavement Reconstruction, Wakea Avenue to Ani Street	DES				200	0	200												LOCAL	
		CON												1,040	832	208				STP FLEXIBLE	
Estimated Total Project Cost - \$1,300,000 -- Reconstruct pavement on Hina Avenue from Wakea Avenue to Ani Street. Approximately 1.02 miles.																					
MC7.	Kahawaiokapia Bridge Replacement (Hana Highway - Route 360)	CON				4,100	2,800	1,300												BRIDGE OFF-SYSTEM	
Estimated Total Project Cost - \$4,500,000 -- Replace or repair existing concrete bridge. Construct roadway improvements at both approaches.																					
MC8.	Kahekili Highway (Route 3405) Resurfacing, Mokuhanu Road to Waiehu Beach Road	CON	4,000	3,200	800															STP FLEXIBLE	
Estimated Total Project Cost - \$4,500,000 -- Resurface Kahekili Highway from N. Market Street to Waiehu Beach Road. Approximately 1.71 miles.																					
MC38.	Kaholopoo Bridge Replacement (Route 360)	CON	4,200	3,360	840															BRIDGE OFF-SYSTEM	
Estimated Total Project Cost - \$4,600,000 -- Replace or repair existing concrete bridge. Construct roadway improvements at both approaches.																					
MC9.	Kamehameha Avenue (Route 3940) Pavement Reconstruction, Vicinity of Puunene Avenue to Hina Avenue	DES				500	0	500												LOCAL	
		CON												3,120	2,496	624				STP FLEXIBLE	
Estimated Total Project Cost - \$3,700,000 -- Reconstruct pavement on Kamehameha Avenue from Puunene Ave. to Hina Ave. Improvements to include pavement striping and marking, signage and safety improvements. Approximately 0.76 miles.																					
MC10.	Kamehameha Avenue (Route 3940)Traffic Signals at Kane Street	DES				250	0	250												LOCAL	
		CON							1,250	1,000	250									STP FLEXIBLE	
Estimated Total Project Cost - \$1,500,000 -- Traffic signal installation, intersection improvements, curb ramp improvements.																					
MC11.	Kaupakalua Road (Route 365) Resurfacing, Hana Highway to Makawao Avenue	CON				3,950	3,160	790												STP FLEXIBLE	
Estimated Total Project Cost - \$4,500,000 -- Resurface Kaupakalua Road from Hana Highway to Makawao Ave. Approximately 6.4 miles.																					
MC13.	Koukouai Bridge Modifications (Hana Highway - Route 360)	DES				100	0	100												LOCAL	
		CON							5,720	4,160	1,560									BRIDGE OFF-SYSTEM	
Estimated Total Project Cost - \$6,000,000 -- Replace or repair existing concrete bridge. Construct roadway improvements at both approaches.																					
MC14.	Kulanihakai Bridge Replacement (South Kihei Road - Route 3100)	DES	500	0	500															LOCAL	
		ROW	200	0	200															LOCAL	
		CON										4,160	2,912	1,248						BRIDGE OFF-SYSTEM	
Estimated Total Project Cost - \$4,900,000 -- Replace or repair existing concrete bridge. Construct roadway improvements at both approaches.																					

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MC39. Lahaina Watershed Flood Control Project, Phase 2	CON	3,968	3,968	0																EARMARK (Section 117) NRCS (defer to 2011 interagency agreement needed)
	CON	2,032	2,032	0																
	Estimated Total Project Cost - \$6,600,000 -- Flood Control project from Lahainaluna Road south two miles along Honoapiilani Highway. Improvements consist of open channels, sediment basins, debris basin and new outlet to the ocean.																			
MC15. Lelekea Bridge Replacement (Hana Highway - Route 360)	DES				500	0	500													LOCAL BRIDGE OFF-SYSTEM
	CON													3,744	2,496	1,248				
	Estimated Total Project Cost - \$4,300,000 -- Replace or repair existing concrete bridge. Construct roadway improvements at both approaches.																			
MC17. Lono Avenue (Route 3950) Traffic Signal Improvements at Papa Avenue (Route 3910)	CON				2,400	1,920	480													STP FLEXIBLE
	Estimated Total Project Cost - \$2,700,000 -- Traffic signal system, related intersection improvements, utility relocations, curb ramp improvements.																			
MC18. Lower Honoapiilani Road (Route 3080) Improvements, Hoohui Road to Napilihau Road	ROW				1,000	0	1,000													LOCAL STP FLEXIBLE
	CON							9,900	6,900	3,000										
	Estimated Total Project Cost - \$12,000,000 -- Road widening, curb, gutter, sidewalk/paved shoulder, and drainage improvements. Replace Kahanahui Bridge. Approximately 1.50 miles.																			
MC21. Makani Road (Route 3630) Resurfacing, Haleakala Highway to Kalama Intermediate School	CON	2,000	1,600	400																STP FLEXIBLE
	Estimated Total Project Cost - \$2,400,000 -- Resurface Makani Road from Old Haleakala Hwy to Kalama School. Approximately 2.06 miles.																			
MC22. Makawao Avenue - Makani Road (Route 3630) Improvements Phase I - Eddie Tam Gymnasium to Kalama Intermediate School	ROW	1,000	0	1,000																LOCAL STP FLEXIBLE
	CON										11,960	8,320	3,640							
	Estimated Total Project Cost - \$15,000,000 -- Road widening with curb and gutters, sidewalk, drainage, and resurf/recon pavement. From Eddie Tam Gym to Kalama School.																			
MC25. Mill Street (Route 3840) Traffic Signal at Imi Kala Street	DES							200	0	200										LOCAL LOCAL STP FLEXIBLE
	ROW										500	0	500							
	CON																730	584	146	
	Estimated Total Project Cost - \$1,500,000 -- Traffic signal installation, curb, gutter, sidewalk, curb ramp, drainage improvements. Right-of-way expansion.																			
MC27. Papa Avenue (Route 3910) Traffic Signals at Hina Avenue (Route 3930)	DES				200	0	200													LOCAL STP FLEXIBLE
	CON													860	688	172				
	Estimated Total Project Cost - \$1,100,000 -- Traffic signal installation, curb, gutter, sidewalk, curb ramp, drainage improvements. Right-of-way expansion.																			
MC28. Pukalani Street Pavement Reconstruction, Old Haleakala Highway to Iolani Street	DES				200	0	200													LOCAL STP FLEXIBLE
	CON				500	400	100													
	Estimated Total Project Cost - \$700,000 -- Reconstruct pavement on Pukalani Street from Old Haleakala Hwy to Iolani Street. Improvements to include pavement striping and marking, signage and safety improvements. Approximately 0.23 miles.																			
MC31. Waiale Road (Route 3180) Traffic Signals at Waiinu Road	DES				150	0	150													LOCAL STP FLEXIBLE
	CON													780	624	156				
	Estimated Total Project Cost - \$1,000,000 -- Traffic signal installation, curb, gutter, sidewalk, curb ramp, drainage improvements.																			
MC32. Waiko Road Improvements, Kuihelani Highway to Waiale Road	DES				500	0	500													LOCAL STP FLEXIBLE
	CON										3,640	2,500	1,140							
	Estimated Total Project Cost - \$4,200,000 -- Improve Waiko Road from Honoapiilani Hwy to Kuihelani Hwy, with two travel lanes, paved shoulders and drainage improvements. Approximately 1.25 miles.																			
MC33. Waiohonu Bridge Replacement (Hana Highway - Route 360)	DES	50	0	50																LOCAL BRIDGE OFF-SYSTEM
	CON	4,100	2,800	1,300																
	Estimated Total Project Cost - \$4,500,000 -- Replace or repair existing concrete bridge. Construct roadway improvements at both approaches.																			
MC34. Waipuilani Bikepath	DES	300	0	300																STP ENHANCEMENT STP ENHANCEMENT
	CON													1,600	1,280	320				
	Estimated Total Project Cost - \$2,000,000 -- Construct bikepath on beach reserve, from Kulanihakoi Street to Waipuilani State Park. Approximately 0.5 miles.																			
MC35. Wakea Avenue (Rte 3920) Traffic Signals at Hina Avenue (Rte 3930)	DES				200	0	200													LOCAL STP FLEXIBLE
	CON										728	582	146							
	Estimated Total Project Cost - \$1,000,000 -- Traffic signal installation, curb, gutter, sidewalk, curb ramp, drainage improvements.																			
MAUI : COUNTY OF MAUI - FHWA TOTAL		24,750	18,880	5,870	15,450	8,280	7,170	17,370	12,300	5,070	20,988	14,314	6,674	14,980	11,152	3,828	730	584	146	

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		TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	
<u>COUNTY OF MAUI - FTA</u>																				
MC36. Bus and Bus Facility	EQP/OPR	819	655	164	844	675	169	869	695	174	894	715	179	919	735	184	944	755	189	FTA SECTION 5309 (Rural Bus Prgm)
<i>Estimated Total Project Cost - \$5,300,000 -- Purchase buses and operate bus transit facilities.</i>																				
MC37. Rural Transportation Program	OPR	844	675	169	869	695	174	894	715	179	919	735	184	944	755	189	969	775	194	FTA SECTION 5311
<i>Estimated Total Project Cost - \$5,440,000 -- Operate public transit system.</i>																				
MAUI : COUNTY OF MAUI - FTA TOTAL		1,663	1,330	333	1,713	1,370	343	1,763	1,410	353	1,813	1,450	363	1,863	1,490	373	1,913	1,530	383	

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PROJECT		PHASE	FFY2011 (Oct 1, 10 - Sep 30, 11)			FFY2012 (Oct 1, 11 - Sep 30, 12)			FFY2013 (Oct 1, 12 - Sep 30, 13)			FFY2014 (Oct 1, 13 - Sep 30, 14)			FFY2015 (Oct 1, 14 - Sep 30, 15)			FFY2016 (Oct 1, 15 - Sep 30, 16)			FUND CATEGORY & REMARKS
			TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	
KAUAI : STATE - FHWA																					
KS1.	Guardrail and Shoulder Improvements on State Highways, Kauai																				STP FLEXIBLE
	Part 1	DES	100	80	20																
		CON				1,000	800	200													
	Part 2	DES							100	80	20										
		CON										1,000	800	200							
	Part 3	DES													100	80	20				
		CON															1,000	800	200		
Estimated Total Project Cost - \$3,300,000 -- Improve guardrails and shoulders at various locations.																					
KS2.	Kapule Highway / Rice Street / Waapa (Route 51) Road	DES				757	606	151													BRIDGE ON-SYSTEM
	Improvements and Nawiliwili Bridge Replacement	PREROW							110	88	22										
		ROW										787	630	157							
		CON													3,775	0	3,775				
		ADVCON															0	3,020	(3,020)		
Estimated Total Project Cost - \$5,440,000 -- Strengthen/widen existing Nawiliwili Bridge. Implement drainage improvements and safety improvements including new signing and striping and guardrails. Improve roadway approach to the bridge.																					
KS4.	Kaumualii Highway (Route 50), Bridge Rehabilitation	DES										530	424	106							BRIDGE ON-SYSTEM
	Bridge No. 7E	ROW													65	52	13				
Estimated Total Project Cost - \$6,600,000 -- Repair/rehabilitate bridge 7E on Kaumualii Highway update to current bridge standards.																					
KS5.	Kaumualii Highway (Route 50), Bridge Rehabilitation	ROW				100	80	20													BRIDGE ON-SYSTEM
	Omao Bridge	CON										7,070	0	7,070							
		ADVCON													0	5,656	(5,656)				
Estimated Total Project Cost - \$8,000,000 -- Rehabilitation of concrete T-girder bridge on Kaumualii Hwy in the vicinity of Omao Road.																					
KS6.	Kaumualii Highway (Route 50) Improvements, Anonui St to Kipu Rd	CON										17,000	3,600	13,400							STP FLEXIBLE
	Phase IB	ADVCON													0	10,000	(10,000)				
Estimated Total Project Cost - \$20,000,000 -- Construction for widening of Kaumualii Highway, Anonui Street to vicinity of Kipu Road, from two to four lanes.																					
KS9.	Kaumualii Highway (Route 50) Safety Improvements in the Vicinity of	CON				3,600	3,240	360													HSIP
	Kahili Mountain Park Road to Hanapepe Lookout																				
Estimated Total Project Cost - \$4,000,000 -- Installation of milled rumble strips on centerline and shoulders, construct shoulder widening and drainage improvements, installation of guardrails and end treatments and upgrade/replace pavement markings and signing.																					
KS11.	Kuhio Highway (Route 56), Bridge Replacement	ROW				730	584	146													BRIDGE ON-SYSTEM
	Kapaia Bridge	CON				9,360	2,000	7,360													
		ADVCON							0	5,488	(5,488)										
Estimated Total Project Cost - \$11,100,000 -- Replacement of a multi-T beam reinforced concrete girder on Kuhio Hwy in the vicinity of Kapaia.																					

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PROJECT	PHASE	FFY2011 (Oct 1, 10 - Sep 30, 11)			FFY2012 (Oct 1, 11 - Sep 30, 12)			FFY2013 (Oct 1, 12 - Sep 30, 13)			FFY2014 (Oct 1, 13 - Sep 30, 14)			FFY2015 (Oct 1, 14 - Sep 30, 15)			FFY2016 (Oct 1, 15 - Sep 30, 16)			FUND CATEGORY & REMARKS	
		TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)		
KS13. Kuhio Highway (Route 560), Bridge Replacements Waioli, Waipa, and Waikoko Stream Bridges	DES				1,969	1,575	394													BRIDGE ON-SYSTEM	
	PREROW				112	90	22														
	ROW							562	450	112											
	CON										8,197	0	8,197								
	ADVCON													0	3,558	(3,558)	0	3,000	(3,000)		
Estimated Total Project Cost - \$11,000,000 -- Replace existing bridges.																					
KS16. Kuhio Highway (Route 56) Improvements, Hanamaulu to Kapaa, Phase I	DES							2,000	1,600	400										EARMARK-HIGH PRIORITY NHS	
	DES							5,000	4,000	1,000											
	PREROW										100	80	20								
Estimated Total Project Cost - \$48,000,000 -- Design and construct improvement alternative identified in the approved Environmental Impact Statement as the Preferred Alternative.																					
KS17. Kuhio Highway (Route 560) Safety Improvements Hanalei Bridge to Waikoko Bridge	CON	1,460	1,314	146																HSIP - HRRR	
Estimated Total Project Cost - \$1,750,000 -- Install rumble strips on centerline and shoulders, roughen roadway surface, construct drainage improvements, installation of guardrails and end treatments and upgrade/replace pavement arklings and signing.																					
KS19. Kuhio Highway (Route 56) Intersection Improvements at Leho Street (N)	DES	50	45	5																HSIP	
	CON				400	360	40														
Estimated Total Project Cost - \$450,000 -- Implement intersection improvements on Kuhio Highway at Leho Street to improve safety and operational effeciency.																					
KS20. Kuhio Highway (Route 56), Maalihuna Road Intersection Improvements and Kapaa Stream Bridge Rehabilitation	DES							1,040	832	208										BRIDGE-ON SYSTEM	
	ROW										500	400	100								
Estimated Total Project Cost - \$11,500,000 -- Safety improvements at Maalihuna Road intersection and Kapaa Stream Bridge including guardrail upgrades, wider shoulders for pedestrians and bicycles. The bridge will be strengthened to accommodate present day vehicular modes.																					
KS21. Kuhio Highway (Route 560), Shoreline Protection, Vicinity of Hanalei Bay	CON													2,500	0	2,500				STP FLEXIBLE	
	ADVCON																0	2,000	(2,000)		
Estimated Total Project Cost - \$3,000,000 -- Construct revetment to protect about 1,600 feet of highway on the extreme west side of Hanalei Bay that is subject to seasonal wave attack.																					
KS22. Maalo Road (RTE 583), Guardrail and Shoulder Improvements MP 0 - MP 3.92	CON	1,082	866	216																STP FLEXIBLE	
Estimated Total Project Cost - \$1,400,000 -- Remove existing guardrail, install new guardrail and construct end treatments.																					
KS23. National Recreational Trails Program - Kauai (DLNR)	CON	314	251	63	314	251	63	314	251	63	314	251	63	314	251	63	314	251	63	NATIONAL RECREATIONAL TRAILS (DLNR)	
Estimated Total Project Cost - \$1,900,000 -- A Federal-aid assistance program to help the State provide and maintain recreational trails for both motorized and non-motorized recreational use. Anticipated funding for Kauai program.																					
KS24. Puhi-Hanamaulu, Alternate Route	PLN										4,000	3,200	800							STP FLEXIBLE	
Estimated Total Project Cost - \$90,000,000 -- Conduct planning/environmental study to assess alternatives and impacts to developing an alternative route from Puhi to Hanamaulu.																					
KAUAI : STATE - FHWA TOTAL			3,006	2,556	450	18,342	9,586	8,756	9,126	12,789	(3,663)	39,498	9,385	30,113	6,754	19,597	(12,843)	1,314	9,071	(7,757)	

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COUNTY OF KAUAI - FHWA																					
KC1.	Ahukini To Lydgate Park Bike/Pedestrian Path (Phase IV of the Lihue-Anahola Coastal Bike Path, Bike Plan HI, April '94)	DES	1,000	1,000	0																STP ENHANCEMENT
		ROW										7,280	7,280	0							
Estimated Total Project Cost - \$21,000,000 -- Approximately 7 miles of 12 foot wide and 6 inch thick concrete bike/ped path. The project starts at the Ahukini Landing and ends at the S end of Lydgate Park.																					
KC2.	Bridge Inspection and Appraisal	PLN/DES	125	100	25				125	100	25										BRIDGE OFF-SYSTEM
Estimated Total Project Cost - \$250,000 -- Inspection of various bridges throughout the County. FHWA Requirement.																					
KC3.	Hanapepe Bridge Repairs and Pedestrian Bridge Repairs/Replacement	DES/CON	475	380	95																BRIDGE OFF-SYSTEM
Estimated Total Project Cost - \$525,000 -- Repair of cracks and spalls on the bridge girders/soffit/abutments/piers and the repair/replacement of the pedestrian walkway crossing Hanapepe Bridge on Hanapepe Road. The bridge and the pedestrian walkway is about 200 feet long. The walkway is elevated and above roadway pavement.																					
KC4.	Hardy Street (Route 572) Improvements	DES/CON	4,500	3,600	900																STP FLEXIBLE
Estimated Total Project Cost - \$4,500,000 -- Safety imprvmts including reconstruction & widening of traffic lanes, construction of turning lanes, sidewalks, drainage inlets and culvert extension, replacement & upgrades, revising street parking, utility adjustment, traffic sign & striping, landscaping & other roadway improvements. The project begins at Kuhio Hwy. & ends at the Rice St.- 0.7 mi.																					
KC5.	Kamalu Bridge (Route 581) Erosion Protection Repairs	CON	300	240	60																BRIDGE OFF-SYSTEM
Estimated Total Project Cost - \$400,000 -- Repair/Replace damaged erosion control protection at the abutments and piers of Kamalu Bridge.																					
KC6.	Kamalu Road (Route 581) Bridge Replacement	PLN										200	160	40							BRIDGE OFF-SYSTEM
		DES													400	320	80				
Estimated Total Project Cost - \$2,600,000 -- Realignment of Kamalu Road from its intersection with Opaekaa Road to a point approximately 3,305 feet east including installation of new bridge crossing Kalama Stream.																					
KC7.	Kapahi Bridge Replacement	CON				5,000	4,000	1,000													BRIDGE OFF-SYSTEM
Estimated Total Project Cost - \$5,500,000 -- Replace the existing bridge with a new H-20 concrete bridge approximately 60 feet long by 35 feet wide including approach ramps, guardrails, pedestrian walkway and utility accommodations.																					
KC19.	Kauai County Multi-Modal Transportation Plan	PLN	400	400	0																EARMARK (SECTION 117)
Estimated Total Project Cost - \$400,000 -- A multi-modal land transportation plan for the island of Kauai that considers the communities land transportation needs and priorities in a comprehensive approach that includes transit, bicycle, pedestrian, vehicle and freight modes of transportation. The regional land transportation network to be considered includes the County and State systems.																					
KC8.	Kuna Bay to Anahola Bike/Pedestrian Path (Phase V of the Lihue-Anahola Coastal Bike Path, Bike Plan HI, April '94)	DES										300	300	0							STP ENHANCEMENT
Estimated Total Project Cost - \$7,000,000 -- Approximately 3 miles of 12 foot wide, 6 inch thick concrete bike/ped path. The Project Starts at Kuna Bay (north end of Ph II) and ends at Anahola.																					
KC9.	Lydgate Park to Kapaa Bike/Pedestrian Path (Phase III of the Lihue-Anahola Coastal Bike Path, Bike Plan HI, April '94) Phase B Phase C																				STP ENHANCEMENT
		CON				6,700	6,700	0													
		PLN	20	20	0																
		DES	100	100	0																
		ROW	250	250	0																
	CON								1,560	1,560	0										
Estimated Total Project Cost - \$9,000,000 -- Construct 12 foot wide 6 inch thick concrete bike/ped path. Ph B - includes the N end of Papaloa Rd. and the balance starts at the N side of Waipouli Canal Br., continues along Kuhio Hwy. to Ala, Niulani, Keaka, Moanakai and Lihi Rds. Ph C - starts at the S side of a vacant lot N of Kauai Coast Resort at the Beachboy & continues to the N side of Waipouli Canal at Kuhio Hwy.																					
KC18.	Maluhia Road (Route 520) Improvements	PLN	40	32	8																STP FLEXIBLE
		DES							500	400	100										
		ROW													80	64	16				
		CON																7,650	6,120	1,530	
Estimated Total Project Cost - \$8,300,000 -- Widen Maluhia Road from the intersection of Ala Kinoiki Road to Kaumualii Hwy. Approx. 2.6 miles. 12-ft traffic lanes and 6-ft shoulders including drainage improvements and replacement of an existing bridge. The section of Maluhia Road through the "tree tunnel" cannot be widened w/o disturbing the trees and therefore the development of a northbound or southbound lane outside of the "tunnel" will be developed.																					
KC10.	Nawiliwili to Ahukini Bike/Pedestrian Path (Phase VI of the Lihue-Anahola Coastal Bike Path, Bike Plan HI, April '94) Phase A Phase B																				STP ENHANCEMENT
		DES	750	750	0																
		DES							1,000	1,000	0										
Estimated Total Project Cost - \$7,000,000 -- Approximately 8 miles of 12 foot wide, 6 inch thick concrete bike/ped path.																					

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KC11. <div></div> Northerly Leg of the Western Bypass Road (Ala Kalanikaumaka (Route 522))	DES	2,000	1,600	400																STP FLEXIBLE	
<i>Estimated Total Project Cost - \$83,000,000 -- Construct new roadway. The project begins at Koloa Road and the completed section of the Ala Kalanikaumaka intersection, heading northeast and connecting to Maluhia Road at the intersection of Maluhia and Ala Kinoike.</i>																					
KC13. <div></div> Puhi Road (Route 501) Ultra-Thin Whitetopping (UTW)	CON				1,170	936	234													STP FLEXIBLE	
<i>Estimated Total Project Cost - \$1,300,000 -- Rehabilitate Puhi Road using Ultra-Thin Whitetopping (UTW) and cement treated recycled Base. Puhi Road is a 2-lane major street with 12' lanes. The project will start at the intersection of the Kaunualii Highway - Puhi Road intersection and extend approximately 0.4 miles to the Kaneke St. - Puhi Road intersection.</i>																					
KC14. <div></div> Puuopae Bridge Replacement	DES							600	480	120										BRIDGE OFF-SYSTEM	
	CON										5,000	4,000	1,000								
<i>Estimated Total Project Cost - \$5,600,000 -- Replace existing bridge.</i>																					
KC15. <div></div> Resurfacing of Hanapepe Rd (Rte 545), Including Road Pavement Repairs as Necessary	DES	160	128	32																STP FLEXIBLE	
<i>Estimated Total Project Cost - \$1,200,000 -- Resurface the entire length (5400 feet) of Hanapepe Road. Full depth reclaimation (FDR) technology will be used on this project whenever necessary to match existing adjacent facilities.</i>																					
KAUAI : COUNTY OF KAUAI - FHWA TOTAL			10,120	8,600	1,520	12,870	11,636	1,234	3,785	3,540	245	12,780	11,740	1,040	480	384	96	7,650	6,120	1,530	

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COUNTY OF KAUAI - FTA																				
KC16. Bus and Bus Facility	EQP/OPR	819	655	164	844	675	169	869	695	174	894	715	179	919	735	184	944	755	189	FTA SECTION 5309 (Rural Bus Prgm)
Estimated Total Project Cost -- \$5,300,000 -- Purchase buses and operate bus transit facilities.																				
KC17. Rural Transportation Program	OPR	717	574	143	739	591	148	760	608	152	781	625	156	803	642	161	824	659	165	FTA SECTION 5311
	EQP	127	101	26	130	104	26	134	107	27	138	110	28	141	113	28	145	116	29	FTA SECTION 5311
Estimated Total Project Cost -- \$5,400,000 -- Operate public transit system.																				
KAUAI : COUNTY OF KAUAI - FTA TOTAL		1,663	1,330	333	1,713	1,370	343	1,763	1,410	353	1,813	1,450	363	1,863	1,490	373	1,913	1,530	383	

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		TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	
FTA SUMMARY																				
STATEWIDE		1,716	1,453	263	1,771	1,499	272	1,824	1,545	279	1,881	1,593	288	1,938	1,641	297	1,998	1,692	306	
OAHU, STATE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
C&C OF HONOLULU		547,998	115,282	432,716	792,501	236,246	556,255	1,222,748	309,299	913,449	1,106,059	309,636	796,423	840,308	254,489	585,819	554,876	266,014	288,862	
COUNTY OF HAWAII		1,663	1,330	333	1,713	1,370	343	1,763	1,410	353	1,813	1,450	363	1,863	1,490	373	1,913	1,530	383	
MAUI, STATE		27,631	22,105	5,526	12,813	10,250	2,563	0	0	0	0	0	0	0	0	0	0	0	0	
COUNTY OF MAUI		1,663	1,330	333	1,713	1,370	343	1,763	1,410	353	1,813	1,450	363	1,863	1,490	373	1,913	1,530	383	
COUNTY OF KAUAI		1,663	1,330	333	1,713	1,370	343	1,763	1,410	353	1,813	1,450	363	1,863	1,490	373	1,913	1,530	383	
FTA TOTAL		582,334	142,830	439,504	812,224	252,105	560,119	1,229,862	315,074	914,787	1,113,379	315,579	797,800	847,835	260,600	587,235	562,613	272,295	290,317	

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Project Criteria Color Key: GREEN = SYSTEM PRESERVATION PURPLE = SAFETY IMPROVEMENTS BROWN = CONGESTION MITIGATION PINK = MODERNIZATION ORANGE = ENHANCEMENT BLUE = HUMAN SERVICES TRANSPORTATION PROGRAM TURQUOISE = TRANSIT																				
PROJECT	PHASE	FFY2011 (Oct 1, 10 - Sep 30, 11)			FFY2012 (Oct 1, 11 - Sep 30, 12)			FFY2013 (Oct 1, 12 - Sep 30, 13)			FFY2014 (Oct 1, 13 - Sep 30, 14)			FFY2015 (Oct 1, 14 - Sep 30, 15)			FFY2016 (Oct 1, 15 - Sep 30, 16)			FUND CATEGORY & REMARKS
		TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	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 SUMMARY																				
STATEWIDE		25,405	9,420	15,985	32,310	15,024	17,286	33,560	15,944	17,616	29,131	12,481	16,650	32,307	14,942	17,365	29,889	13,087	16,802	
Oahu - State		191,900	78,809	113,091	29,877	75,981	(46,104)	67,537	80,392	(12,855)	135,329	78,235	57,094	76,709	98,077	(21,368)	115,704	99,614	16,090	
City and County of Honolulu		48,979	20,000	28,979	37,202	17,000	20,202	34,152	17,000	17,152	77,267	14,000	63,267	64,463	37,600	26,863	108,829	75,768	33,061	
ISLAND OF OAHU		240,879	98,809	142,070	67,079	92,981	(25,902)	101,689	97,392	4,297	212,596	92,235	120,361	141,172	135,677	5,495	224,533	175,382	49,151	
Hawaii - State		58,494	29,391	29,103	29,586	39,479	(9,893)	79,331	85,964	(6,633)	67,074	37,851	29,223	28,260	36,007	(7,747)	3,854	11,368	(7,514)	
County of Hawaii		15,240	12,192	3,048	10,610	8,488	2,122	16,400	13,120	3,280	16,900	13,520	3,380	6,780	5,424	1,356	5,500	4,400	1,100	
ISLAND OF HAWAII		73,734	41,583	32,151	40,196	47,967	(7,771)	95,731	99,084	(3,353)	83,974	51,371	32,603	35,040	41,431	(6,391)	9,354	15,768	(6,414)	
Maui - State		13,122	10,623	2,499	14,137	11,602	2,535	41,194	15,715	25,479	18,289	20,379	(2,090)	3,599	14,371	(10,772)	8,774	7,019	1,755	
County of Maui		24,750	18,880	5,870	15,450	8,280	7,170	17,370	12,300	5,070	20,988	14,314	6,674	14,980	11,152	3,828	730	584	146	
ISLAND OF MAUI		37,872	29,503	8,369	29,587	19,882	9,705	58,564	28,015	30,549	39,277	34,693	4,584	18,579	25,523	(6,944)	9,504	7,603	1,901	
Kauai - State		3,006	2,556	450	18,342	9,586	8,756	9,126	12,789	(3,663)	39,498	9,385	30,113	6,754	19,597	(12,843)	1,314	9,071	(7,757)	
County of Kauai		10,120	8,600	1,520	12,870	11,636	1,234	3,785	3,540	245	12,780	11,740	1,040	480	384	96	7,650	6,120	1,530	
ISLAND OF KAUAI		13,126	11,156	1,970	31,212	21,222	9,990	12,911	16,329	(3,418)	52,278	21,125	31,153	7,234	19,981	(12,747)	8,964	15,191	(6,227)	
FHWA TOTAL		391,016	190,471	200,545	200,384	197,076	3,308	302,455	256,764	45,691	417,256	211,905	205,351	234,332	237,554	(3,222)	282,244	227,031	55,213	

DEPARTMENT OF TRANSPORTATION
STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM
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PROJECT	PHASE	FFY2011 (Oct 1, 10 - Sep 30, 11)			FFY2012 (Oct 1, 11 - Sep 30, 12)			FFY2013 (Oct 1, 12 - Sep 30, 13)			FFY2014 (Oct 1, 13 - Sep 30, 14)			FFY2015 (Oct 1, 14 - Sep 30, 15)			FFY2016 (Oct 1, 15 - Sep 30, 16)			FUND CATEGORY & REMARKS
		TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	TOTAL (x\$1000)	FEDERAL (x\$1000)	LOCAL (x\$1000)	
FUNDING CATEGORY SUMMARY																				
IM (Interstate Maintenance)			4,500			15,020			7,507			32,080			23,800			15,592		
NHS (National Highway System)			42,056			62,096			86,568			25,648			26,582			39,292		
BRIDGE OFF-SYSTEM			13,520			8,080			5,860			9,152			3,936			1,360		
BRIDGE ON-SYSTEM			25,706			18,977			15,898			24,630			59,346			59,459		
STP ENHANCEMENT			7,738			7,953			2,680			9,700			5,760			7,294		
STP FLEXIBLE			47,112			44,466			50,475			78,609			93,144			93,648		
CMAQ (Congestion Mitigation Air Quality)			1,170			1,028			875			711			535			346		
EQUITY BONUS			0			0			0			0			0			0		
DEFENSE ACCESS ROAD FUNDS			0			0			0			0			0			0		
PUBLIC LANDS DISCRETIONARY			5,000			5,000			5,000			5,000			5,000			5,000		
NATIONAL RECREATIONAL TRAILS			1,196			1,196			1,196			1,196			1,196			1,196		
EARMARK - HIGH PRIORITY			5,920			20,000			71,600			20,800			15,000			0		
EARMARK - TRANSPORTATION IMPROVEMENT			0			0			0			0			0			0		
EARMARK - SECTION 112			0			0			0			0			0			0		
EARMARK - SECTION 115			0			0			0			0			0			0		
EARMARK - SECTION 117			4,368			0			0			0			0			0		
FLHD - Federal Lands Highway Discretionary			7,500			0			0			0			0			0		
SECTION 1404 - (Safe Routes to School)			300			700			300			700			300			700		
HSIP- Highway Safety Improvement Program			19,533			10,498			3,190			1,300			400			400		
NRCS - National Resources Conservation Service			2,032			0			0			0			0			0		
			0			0			0			0			0			0		
H-3 DISCRETIONARY			0			0			0			0			0			0		
FTA TRANSFER FUNDS			1,920			2,062			2,215			2,379			2,555			2,744		
INTERSTATE MAINTENANCE DISCRETIONARY (IMD)			900			0			3,400			0			0			0		
FERRY BOAT DISCRETIONARY / ARRA FBD			0			0			0			0			0			0		
SUBTOTAL			190,471			197,076			256,764			211,905			237,554			227,031		
LESS DISCRETIONARY, DEMO ...ETC. PROJECTS			(26,020)			(25,700)			(80,300)			(26,500)			(20,300)			(5,700)		
LESS FTA TRANSFER FUNDS			(1,920)			(2,062)			(2,215)			(2,379)			(2,555)			(2,744)		
			0			0			0			0			0			0		
REGULAR FORMULA AUTHORITY		TOTAL	162,531			169,314			174,249			183,026			214,699			218,587		