

**DEPARTMENT OF TRANSPORTATION**  
**STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM**  
**FFY 2015 THRU FFY 2018 (FFY 2019-2020 Informative Only) Revision #13 PROCESSED (Administrative Modification)**  
**Revision Effective Date: December 18, 2017**

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PROJECT	PHASE	FFY2015 (Oct 1, 14 - Sep 30, 15)			FFY2016 (Oct 1, 15 - Sep 30, 16)			FFY2017 (Oct 1, 16 - Sep 30, 17)			FFY2018 (Oct 1, 17 - Sep 30, 18)			FFY2019 (Oct 1, 18 - Sep 30, 19)			FFY2020 (Oct 1, 19 - Sep 30, 20)			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)	
<b>STATEWIDE - FHWA</b>																				
S1. Bikeway Improvements at Various Locations, Statewide <b>Enhance</b>	PE1																			STP FLEXIBLE
	PE2																			
	ROW																			
	CON																			
	ADVCON																			
<i>Estimated Total Project Cost - \$3,005,000 -- Implementation of State bike projects.</i>																				
S2. Bridge Inspection and Appraisal <b>SysPres</b>	PLN	3,100	2,480	620				13,500	1,800	11,700	3,500	2,800	700	3,500	2,800	700	3,500	2,800	700	NHPP
	ADVCON										0	4,700	(4,700)	0	4,300	(4,300)				
<i>Estimated Total Project Cost - \$24,000,000 -- Inventory, inspect and appraise state bridges. Includes underwater inspection, scour analyses, surveys and preparation of plans for bridge repairs, retrofits and replacements.</i>																				
S3. Construction Career Days Workforce Development Program <b>Human</b>	PLN	30	30	0	30	30	0	30	30	0	30	30	0	30	30	0	30	30	0	STP FLEXIBLE
	<i>Estimated Total Project Cost - \$180,000 -- Supplement the Construction Career Days Workforce Development Program.</i>																			
S27. Environmental Guideline Development <b>SysPres</b>	PLN										500	400	100							STP FLEXIBLE
	<i>Estimated Total Project Cost - \$500,000 -- Develop Guide to standardize and institutionalize environmental clearance procedures.</i>																			
S28. Hawaii Road Usage Charge Demonstration <b>SysPres</b>	PLN							8,000	4,000	4,000										STP FLEXIBLE
	PLN							3,125	0	3,125										
	ADVCON										0	2,500	(2,500)							
<i>Estimated Total Project Cost - \$12,000,000 -- This is a three-year, six-phase project that builds on existing state infrastructure that collects odometer readings annually as the basis for testing a road usage charge (RUC) user-based revenue alternatives. The project involves setup and implementation of an accounting system to provide prototypical invoices (or "billings") for mileage driven and other direct communications about revenue alternatives to over 1 million motorists. Billings will feature personalized information about motorists' road use and corresponding RUC, gas taxes paid, and other fees. The first demonstration activities will launch in the first half of 2017 with manual reporting and feature continuous feedback from motorists over 18 months. The grant proposal can be downloaded at <a href="http://hidot.hawaii.gov/administration/library/publications/">http://hidot.hawaii.gov/administration/library/publications/</a>.</i>																				
S23. Highway Program Peer Exchange (HDOT-CFL) <b>SysPres</b>	PLN	610	488	122																STP FLEXIBLE
	<i>Estimated Total Project Cost - \$500,000 -- To facilitate a peer exchange program between FHWA - Central Federal Lands Division (CFL) and the Hawaii DOT. Exchanges will developed, in part, in the form of workshops, roundtable discussions and other structured engagements.</i>																			
S4. Highway Research and Development Program <b>SysPres</b>	PLN	850	680	170	1,600	1,280	320	850	680	170	850	680	170	850	680	170	850	680	170	STP FLEXIBLE
	<i>Estimated Total Project Cost - \$5,850,000 -- Supplement the Statewide Planning and Research Program.</i>																			
S24. Highway Safety Improvement Program (HSIP), Infrastructure Funding Program <b>Safety</b>	PE1							50	40	10				50	40	10				HSIP
	PE2							150	120	30				150	120	30				
	CON										740	666	74				2,000	1,800	200	
	<i>Estimated Total Project Cost - \$3,140,000 -- Implement infrastructure scope of HSIP that would include various eligible safety improvement countermeasures.</i>																			
S5. Highway Safety Improvement Program (HSIP), Non - Infrastructure Funding Program <b>Safety</b>	PLN/OPR	2,500	2,430	70	2,500	2,430	70	2,500	2,430	70	2,500	2,430	70	2,500	2,430	70	2,500	2,430	70	HSIP
	<i>Estimated Total Project Cost - \$15,000,000 -- Implement non-infrastructure scope of HSIP including safety education programs and PSAs.</i>																			
S6. Highway Shoreline Protection, Statewide <b>SysPres</b>	PE1										50	40	10				50	40	10	STP FLEXIBLE
	PE2										150	120	30				150	120	30	
	CON													2,000	0	2,000				
<i>Estimated Total Project Cost - \$3,000,000 -- Funding to implement shoreline protection projects as identified in the State's shoreline protection plan.</i>																				
S7. Pedestrian Facilities and ADA Compliance at Various Locations <b>Enhance</b>	PE1							135	108	27	130	104	26							STP FLEXIBLE
	PE2							73	58	15	70	56	14							
	CON													1,040	832	208	1,000	800	200	
<i>Estimated Total Project Cost - \$4,600,000 -- Address ADA compliance needs, statewide program.</i>																				
S8. Federal Lands Highway Access Discretionary Program <b>Modern</b>	PE/CON	265	265	0	265	265	0	265	265	0	265	265	0	265	265	0	265	265	0	FED LANDS HWY DISCRETIONARY
	<i>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.</i>																			
S9. Safe Routes to School (SRTS) Program <b>Safety</b>	PE	200	200	0	200	200	0	200	200	0	200	200	0	200	200	0	200	200	0	SAFE ROUTES TO SCHOOL
	PE/CON							1,050	1,050	0	350	350	0	155	155	0	185	185	0	
	<i>Estimated Total Project Cost - \$6,450,000 -- 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.</i>																			
S10. SNIPP - Statewide Noxious Invasive Pest Program <b>Enhance</b>	OPR										3,090	2,472	618	3,100	2,480	620	820	656	164	STP FLEXIBLE
	<i>Estimated Total Project Cost - \$15,000,000 -- Operation of the Statewide Noxious Invasive Pest Program.</i>																			
S25. Statewide Freight Study <b>Modern</b>	PLN							408	325	83										STP FLEXIBLE
<i>Estimated Total Project Cost - \$400,000 -- This effort will develop a freight plan as required by FAST. The plan will be developed in consultation with freight stakeholders and will include identification of existing conditions and needs and development of a freight investment plan that includes a list of priority projects.</i>																				
S11. Statewide Highway Lighting and Traffic Signal Upgrade Program <b>Safety</b>	CON	5,000	0	5,000	5,000	0	5,000	5,000	0	5,000	5,000	0	5,000	5,000	4,000	1,000	5,000	0	5,000	NHPP
	PE-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	
<i>Estimated Total Project Cost - \$60,000,000 -- System maintenance of highway lighting and traffic signals.</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)	
S12. Statewide Signing, Striping and Pavement Marking Program <b>SysPres</b>	CON	5,000	0	5,000	5,000	0	5,000	5,000	0	5,000	5,000	4,000	1,000	9,000	7,200	1,800	9,000	7,200	1,800	HSIP
	PE-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	
<i>Estimated Total Project Cost - \$60,000,000 -- System maintenance to upkeep traffic control devices such as highway signing and striping (enhanced pavement markings). This also could include safety measures such as milled rumble strips.</i>																				
S13. Statewide Guardrail and Shoulder Improvement Program <b>SysPres</b>	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
	PE-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	
<i>Estimated Total Project Cost - \$60,000,000 -- System maintenance to upkeep roadway guardrails and shoulders.</i>																				
S14. Structural Countermeasures for Scour Critical Bridges <b>SysPres</b>	Phase 2													500	400	100				NHPP
	PE1																			
<i>Estimated Total Project Cost - \$10,000,000 -- As recommended in the Highways Division's "Plan of Action for Scour Critical Bridges Various Locations, Statewide 2012", this program will develop and design mandated structural countermeasures for scour critical bridges through out the state.</i>																				
S15. Technology Transfer and Technical Assistance Program <b>Modern</b>	PLN	150	120	30	150	120	30	150	120	30	150	120	30	150	120	30	150	120	30	STP FLEXIBLE
	CON																			
<i>Estimated Total Project Cost - \$1,250,000 -- Conduct training and technology transfer activities for government and private transportation personnel.</i>																				
S16. Traffic Counting Stations, Various Locations <b>Modern</b>	CON																1,530	1,224	306	STP FLEXIBLE
	PE-CON																			
<i>Estimated Total Project Cost - \$4,500,000 -- Construction of traffic counting stations on the islands of Hawaii and Maui for traffic data gathering and planning purposes. There will be a separate Oahu phase shown in the Oahu TIP</i>																				
S26. Transportation Alternative Program <b>Enhance</b>	PE/CON										1,240	992	248	2,300	1,840	460	2,300	1,840	460	TAP
	CON																			
<i>Estimated Total Project Cost - ~\$3.3 million/year -- The Transportation Alternatives Program (TAP) is a competitive grant program that provides funding for programs and projects defined as transportation alternatives, including on- and off-road pedestrian and bicycle facilities, infrastructure projects for improving non-driver access to public transportation and enhanced mobility, and community improvement activities. Locations to be determined by the TAP Project Evaluation and Ranking processes. These funds are totals for the entire state. Appropriate funds will be redirected to the MPOs as projects are identified.</i>																				
<b>STATEWIDE - FHWA TOTAL</b>		<b>37,705</b>	<b>6,693</b>	<b>31,012</b>	<b>36,045</b>	<b>5,625</b>	<b>30,420</b>	<b>60,486</b>	<b>11,226</b>	<b>49,260</b>	<b>45,970</b>	<b>23,150</b>	<b>22,820</b>	<b>51,090</b>	<b>29,632</b>	<b>21,458</b>	<b>50,580</b>	<b>21,190</b>	<b>29,390</b>	

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<b>STATEWIDE - FTA</b>																				
S17. Rural Transportation Assistance Program (RTAP)	PLN	102	102	0	105	105	0	108	108	0	111	111	0	114	114	0	117	117	0	FTA SECTION 5311 (b)(3)
<i>Estimated Total Project Cost - \$787,000 -- FTA Section 5311(b)(2) Rural Transportation Assistance Program (RTAP). Funds from the RTAP program will be utilized to provide technical assistance to the Rural Transportation providers.</i>																				
S18. State Administration	PLN	258	258	0	265	265	0	273	273	0	281	281	0	289	289	0	298	298	0	FTA SECTION 5311
<i>Estimated Total Project Cost - \$1,980,000 -- FTA Section 5311 Nonurbanized Area Formula Program.</i>																				
S19. Transportation Assistance for Elderly and Disabled	EQP	275	220	55	288	230	58	296	237	59	305	244	61	314	251	63	324	259	65	FTA SECTION 5310
<i>Estimated Total Project Cost - \$2,867,000 -- Enhanced Mobility of Seniors and Individuals with Disabilities (Section 5310 - Non-Urban). Funds from program will be utilized for the purchase of vehicles.</i>																				
S22. Statewide Planning	PLN							563	450	113	258	129	129	266	133	133	274	137	137	FTA SECTION 5304
<i>Estimated Total Project Cost - \$962,000 -- FTA Statewide Planning (Section 5304). Funds will be utilized for short range transit plans and civil rights studies</i>																				
<b>STATEWIDE - FTA TOTAL</b>		<b>635</b>	<b>580</b>	<b>55</b>	<b>658</b>	<b>600</b>	<b>58</b>	<b>1,240</b>	<b>1,068</b>	<b>172</b>	<b>955</b>	<b>765</b>	<b>190</b>	<b>983</b>	<b>787</b>	<b>196</b>	<b>1,013</b>	<b>811</b>	<b>202</b>	

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<b>FHWA FUNDING CATEGORY SUMMARY - STATEWIDE</b>																				
NHPP (National Highway Performance Program)			2,480		0		1,800		7,500		11,500		3,200							
BRIDGE OFF-SYSTEM			0		0		0		0		0		0							
STP ENHANCEMENT / TAP			0		0		0		992		1,840		1,840							
STP FLEXIBLE			1,318		1,430		1,321		6,747		5,882		4,070							
SECTION 1404 - (Safe Routes to School)			200		1,500		1,250		550		355		385							
HSIP (Highway Safety Improvement Program)			2,430		2,430		2,590		7,096		9,790		11,430							
NATIONAL RECREATIONAL TRAILS			0		0		0		0		0		0							
CMAQ (Congestion Mitigation Air Quality)			0		0		0		0		0		0							
FTA TRANSFER FUNDS			0		0		0		0		0		0							
EQUITY BONUS			0		0		0		0		0		0							
EARMARK - HIGH PRIORITY			0		0		0		0		0		0							
EARMARK - RE-PURPOSED EARMARKS			0		0		0		0		0		0							
STSFA GRANTS			0		0		4,000		0		0		0							
EARMARK - SECTION 115			0		0		0		0		0		0							
EARMARK - SECTION 117			0		0		0		0		0		0							
FLHD (Federal Lands Highway Discretionary)			265		265		265		265		265		265							
NRCS (National Resources Conservation Service)			0		0		0		0		0		0							
DISCRETIONARY			0		0		0		0		0		0							
H-3 DISCRETIONARY			0		0		0		0		0		0							
IMD (NHPP Discretionary)			0		0		0		0		0		0							
FERRY BOAT DISCRETIONARY / ARRA FBD			0		0		0		0		0		0							
SUBTOTAL			6,693		5,625		11,226		23,150		29,632		21,190							
LESS DISCRETIONARY, DEMO ...ETC. PROJECTS			(265)		(265)		(4,265)		(265)		(265)		(265)							
LESS FTA TRANSFER FUNDS			0		0		0		0		0		0							
REGULAR FORMULA AUTHORITY			6,428		5,360		6,961		22,885		29,367		20,925							

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<b>OAHU : STATE - FHWA</b>																				
OS1. <b>Bridge and Pavement Improvement Program, Oahu</b>	CON	20,584	0	20,584	33,200	0	33,200	25,400	0	25,400	36,400	0	36,400	36,400	0	36,400	36,400	0	36,400	LOCAL
<b>SysPres</b> Kamehameha Highway (Route 83) Resurfacing,	CON	14,551	1,835	12,716																
Dairy Road to Laiewai Bridge, MP 9.72 to MP 17.66	ADVCON				0	10,000	(10,000)													
Likelike Highway (Route 63) Resurfacing	CON	17,700	14,600	3,100																
School St. to Emmeline Place,																				
Farrington Highway (Rte 93) Resurfacing	CON				16,000	12,800	3,200													
Kili Street to Satellite Tracking Station																				
Mokapu Saddle Road (RTE 65) Resurfacing	CON							10,000	8,000	2,000										
Nanamoana Street to Oneawa Street																				
Kalihi Street (RTE 63) Resurfacing	CON							9,000	1,300	7,700										
Nimitz Hwy to School Street (MP 0 - 1.15)	ADVCON										0	3,900	(3,900)	0	2,000	(2,000)				
<i>Estimated Total Project Cost - \$237,800,000 -- System maintenance of highway bridges and pavements. Work may include bridge and/or pavement reconstruction, resurfacing, restoration, rehabilitation and/or preservation. Yearly lump sum amounts represent total Special Maintenance Program (SMP) State funding levels anticipated for Oahu program. The SMP is a program that funds individual repair or maintenance projects that do not normally occur annually. SMP funds have funded resurfacing and pavement and bridge preservation projects (System Preservation). The current list of prioritized proposed SMP projects has been posted on the STIP website at: <a href="http://hidot.hawaii.gov/highways/other/other-related-links/stip/">http://hidot.hawaii.gov/highways/other/other-related-links/stip/</a>. Qualified and priority SMP projects could receive federal funds should they become available.</i>																				
OS2. Farrington Highway (Route 93), Bridge Rehabilitation	ROW										597	478	119							NHPP
<b>SysPres</b> Ulehawa Stream Bridge	CON													8,405	6,724	1,681				
<i>Estimated Total Project Cost - \$10,500,000 -- Rehabilitate bridge to meet current design standards. This includes bridge strengthening, widening, improving shoulders, and upgrading railings.</i>																				
OS3. Farrington Highway (Route 93), Bridge Replacement	CON	13,500	4,800	8,700																NHPP
<b>SysPres</b> Maipalaoa Bridge	ADVCON				0	6,000	(6,000)													
<i>Estimated Total Project Cost - \$16,560,000 -- Replace the existing bridge with a concrete structure that meets current bridge standards.</i>																				
OS4. Farrington Highway (Route 93), Bridge Replacement	ROW										1,170	936	234							NHPP
<b>SysPres</b> Makaha Bridges #3 & #3A	CON																22,200	7,760	14,440	
	ADVCON																			
<i>Estimated Total Project Cost - \$25,200,000 -- Replace two timber bridges in the vicinity of Makaha Beach Park. For both bridges, the scope includes widening the paved shoulders on the makai side from 3 feet to 10 feet; and, widening the mauka side from 1 foot to 10 feet. This is to accommodate bicyclists and pedestrians.</i>																				
OS66. Farrington Highway (Route 93) Corridor Study	PLN							500	400	100										RE-PURPOSED EARMARKS
<i>Estimated Total Project Cost - \$500,000 -- Conduct a corridor/feasibility study of the Nanakuli, Maili, Waianae, and Makaha corridor on the island of Oahu with the objective of identifying recommendations to provide a second access into and out of the area, reducing congestion, increasing capacity, and improving safety.</i>																				
OS5. Freeway Management System,																				NHPP
<b>Congest</b> Interstate H-1, H-2, and Moanalua Freeway (Route H-201 & 78),																				
Phase 1C - Part 2	ADVCON	0	5,000	(5,000)	0	1,200	(1,200)													
Phase 1C Part 3	CON				5,100	4,080	1,020													
Phase 2A	CON							10,200	200	10,000										
	ADVCON										0	4,960	(4,960)	0	3,000	(3,000)				
System Manager	OPR				2,020	1,616	404													
Phase 3	PE1										1,380	1,104	276							
	PE2																740	592	148	
<i>Estimated Total Project Cost - \$200,000,000 -- The program 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 program will be implemented in phases. 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.</i>																				
OS57. Freeway Management System,	OPR										350	280	70				350	280	70	NHPP
<b>Congest</b> Joint Traffic Management Center Operations (State)																				
<i>Estimated Total Project Cost - \$1,400,000 -- These funds will be required for the State share of the annual operating expenses for the JTMC which includes normal building operations and a JTMC Manager. The State share has been calculated based on methodology that involves the estimated square footage that the State will occupy.</i>																				
OS9. Freeway Service Patrol	OPR	3,500	3,150	350	3,500	3,150	350	3,500	3,150	350	3,500	3,150	350	3,500	3,150	350	3,500	3,150	350	NHPP
<i>Estimated Total Project Cost - \$21,000,000 -- 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 &amp; other incidents, assisting sick or injured motorists with basic first aid, &amp; notifying 911 of incidents.</i>																				
OS10. Guardrail and Shoulder Improvements, Various Locations																				HSIP
<b>Safety</b> Phase 1	CON				2,228	1,782	446													
Phase 2	PE1													177	0	177				
	PE2																94	0	94	
Phase 3	PE1																170	136	34	
<i>Estimated Total Project Cost - \$10,000,000 -- Install and upgrade guardrails to bridge end post connections, bridge railing, guardrail end terminals, crash attenuators, miscellaneous drainage, and other appurtenant improvements.</i>																				
OS64. Honolulu Rail Transit Project - Highway Improvements	CON				3,750	3,000	750	18,750	15,000	3,750	18,750	15,000	3,750							STP FLEXIBLE
<i>Estimated Total Project Cost - \$41,250,000 -- Traffic improvements to traffic control devices and intersections affected by rail construction along the West Oahu Farrington Highway (Routes 7110 &amp; 7101 from Old Fort Weaver Road to Waipahu High School) and Kamehameha Highway (Route 99 from Acacia Road to Aloha Stadium) Guideway construction corridors.</i>																				
OS11. ITS Operation and Maintenance	OPR	285	255	30	285	255	30	285	255	30	285	255	30	285	255	30	285	255	30	NHPP
<b>Congest</b>																				
<i>Estimated Total Project Cost - \$1,700,000 -- Annual costs to operate and maintain the ongoing and existing ITS program. This includes costs for the operation and maintenance of CCTVs and vehicle detection equipment. This also includes costs for telecommunication and server hosting services.</i>																				

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PROJECT	PHASE	FFY2015 (Oct 1, 14 - Sep 30, 15)			FFY2016 (Oct 1, 15 - Sep 30, 16)			FFY2017 (Oct 1, 16 - Sep 30, 17)			FFY2018 (Oct 1, 17 - Sep 30, 18)			FFY2019 (Oct 1, 18 - Sep 30, 19)			FFY2020 (Oct 1, 19 - Sep 30, 20)			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)		
OS12. Interstate Routes H-1, H-2, and H-201 Destination Sign Upgrade/Replacement, Phase II  Phase III	CON							7,140	2,712	4,428										NHPP	
	ADVCON											0	2,000	(2,000)	0	1,000	(1,000)				
	DES				554	499	55														
	CON													6,000	5,400	600					
<i>Estimated Total Project Cost - \$17,000,000 -- Replace and/or upgrade the existing destination signs and sign support structures on Interstate Routes H-1, H-2 and H-201.</i>																					
OS13. Interstate Route H-1, Bridge Rehabilitation, Kapalama Canal (Halona Street Bridge)	ROW	25	0	25																NHPP	
	CON				6,300	5,040	1,260														
<i>Estimated Total Project Cost - 7,000,000 -- Rehabilitate existing bridge.</i>																					
OS58. Interstate Route H-1, Corridor Study, Short Term Improvements	PE1											2,040	0	2,040						NHPP	
	ADVCON													0	1,632	(1,632)					
<i>Estimated Total Project Cost - \$15,000,000 -- Develop top Short Term Capacity/Congestion improvements identified in the Final H-1 Corridor Improvement Study</i>																					
OS56. Interstate Route H-1, Eastbound, Vineyard Boulevard On Ramp, Lusitana Street Connection	CON							4,162	2,300	1,862										Interstate Maintenance Discretionary	
<i>Estimated Total Project Cost - \$5,000,000 -- Scope includes, but is not limited to: Installation of a traffic signal and curb ramps at the intersection of Lusitana Street and Lauhala Street; installation of a right turn only lane from Lusitana Street onto the Vineyard Boulevard On-Ramp to the H-1 Freeway in the eastbound direction; relocation of existing highway lighting, drainage, water, electric, fiber optic, telephone, cable tv, and gas systems; installation of a glare screen along Kinau Street in vicinity of Kinau Off-Ramp; and installation of pavement markings and signing.</i>																					
OS59. Interstate Route H-1, Eastbound Improvements, Waiawa Interchange to Halawa Interchange	DES				900	0	900													LOCAL	
<i>Estimated Total Project Cost - \$90,000,000 -- Capacity/Congestion improvements through the most well travelled section of the primary urban corridor. Improvements could include adding an additional through lane and/or improving ramps, shoulders and geometrics.</i>																					
OS14. Interstate Route H-1, Guardrail and Shoulder Improvements, Kapiolani Interchange to Anakoa Avenue	CON							11,000	0	11,000										NHPP	
	ADVCON											0	3,000	(3,000)	0	5,800	(5,800)				
<i>Estimated Total Project Cost - \$12,000,000 -- Install and/or upgrade existing guardrails, crash cushions, and concrete barriers to meet current standards. Upgrade lighting and make bike improvements near the beginning of the H-1 on ramp in the vicinity of Anakoa Avenue to fill a gap in the bike system.</i>																					
OS15. Interstate Route H-1, Guardrail and Shoulder Improvements, Middle Street (Route 7415) to Punchbowl Street (Route 7516)	CON				5,360	288	5,072													NHPP	
	ADVCON							0	4,000	(4,000)											
	CON				1,340	1,072	288														
<i>Estimated Total Project Cost - \$7,500,000 -- Install and/or upgrade existing guardrails, crash cushions, and concrete barriers to meet current standards.</i>																					
OS16. Interstate Route H-1, Highway Lighting Improvements, Kaimakani OP to Middle Street, Phase 1 - MP 12.83 to 16.00	CON										7,446	100	7,346							NHPP	
	ADVCON													0	3,857	(3,857)	0	2,000	(2,000)		
<i>Estimated Total Project Cost - \$15,000,000 -- Upgrade/replace existing freeway lighting. Phase 1 will cover improvements from Kaimakani Overpass to Approx. the Airport IC (MP 16.00). A future Phase 2 will cover improvements for the remainder of the limits from approx. the Airport IC (MP 16.00) to Middle Street.</i>																					
OS17. Interstate Route H-1, Kapolei Interchange Complex Phase 2	CON	4,800	4,300	500																INTERSTATE DISCRETIONARY	
	CON	65,500	41,200	24,300																NHPP	
	ADVCON				0	3,000	(3,000)	0	4,400	(4,400)	0	10,600	(10,600)							NHPP	
	DES				571	0	571														NHPP
<i>Estimated Total Project Cost - \$139,000,000 -- Phase 2 will complete the construction of the Wakea Street Separation and its associated ramps. Phase 3 and 4 will complete the ultimate buildout of the Kapolei IC Complex including the completion of Palalalai and Makakilo Interchanges.</i>																					
OS18. Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 2	CON																25,200	8,000	17,200	NHPP	
	ADVCON																				
<i>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.</i>																					
OS67. Interstate Route H-1, Reconstruction and Repair, Eastbound Waimalu Interchange to Halawa	PE2/CON							90,500	13,000	77,500										NHPP	
	ADVCON										0	14,400	(14,400)	0	24,000	(24,000)	0	20,000	(20,000)		
<i>Estimated Total Project Cost - \$93,000,000 -- Rehabilitate or Reconstruct Portland Concrete pavement. Widen to improve shoulders and travelway.</i>																					
OS20. Interstate Route H-1 Safety Improvement, Beginning of H-1 (Palalalai IC) to Waiawa Overpass	CON										4,120	296	3,824							HSIP	
	ADVCON												0	3,000	(3,000)						
<i>Estimated Total Project Cost - \$4,500,000 -- Scope includes, but is not limited to: Installation of milled rumble strips on shoulders; reconstruction of paved shoulders; pavement markings; and signing.</i>																					
OS22. Interstate Route H-3, Seismic Retrofit, Kuuu Bridge and Halekou Interchange, Structures 1, 2 and 3	DES				1,080	864	216													NHPP	
	CON													6,240	4,992	1,248					
<i>Estimated Total Project Cost - \$7,320,000 -- Retrofit interchange structures to meet current seismic standards.</i>																					
OS60. Kahekili Highway (Route 83) Improvements, Likelike Hwy (Route 63) to Kamehameha Hwy (Route 6510)	PE2										6,000	0	6,000							NHPP	
	ADVCON													0	4,800	(4,800)					
<i>Estimated Total Project Cost - \$68,000,000 -- Capacity improvements through the defined limits, which could include widening and/or improving intersections. Estimated Total Project Cost is based on a potential full build alternative.</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)	
OS24. Kalaniana'ole Highway (Route 72), Bridge Replacement SysPres Inoaole Stream Bridge, Waimanalo	CON												10,200	2,160	8,040				NHPP	
	ADVCON															0	6,000	(6,000)		
	<i>Estimated Total Project Cost - \$11,500,000 -- Replace the existing bridge.</i>																			
OS25. Kalaniana'ole Highway (Route 72) Improvements, Safety Olomana Golf Course to Vic. of Makai Pier Phase 1, Olomana Golf Course to Poalima Street	CON	13,500	10,800	2,700															NHPP	
	<i>Estimated Total Project Cost - \$50,000,000 -- 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>																			
OS26. Kalaniana'ole Highway (Route 72) Improvements, Safety Olomana Golf Course to Vic. of Makai Pier Phase 2 - Poalima Street (MP 3.2) to Aloiloi Street Phase 3 - Aloiloi Street to Vic. of Makai Pier (MP 6.9)	DES				2,244	1,795	449												NHPP  STP ENHANCEMENT EARMARK - HIGH PRIORITY	
	CON															13,300	10,640	2,660		
	ADVCON															2,750	2,200	550		
	CON															250	200	50		
	DES				1,632	1,306	326													
<i>Estimated Total Project Cost - \$50,000,000 -- Construct traffic operational improvements on Kalaniana'ole Highway, from Poalima Street to vic. Of Makai Pier. Project includes turning lanes, bus pullouts, bicycle facility improvements, lighting improvements and roadway resurfacing.</i>																				
OS53. Kamehameha Highway (Route 83), Bridge Replacement SysPres Hoolapa (Nanahu) Stream Bridge	DES	1,300	1,040	260															NHPP  RE-PURPOSED EARMARKS	
	ROW	165	132	33																
	CON							2,500	2,000	500										
	CON							2,000	1,600	400										
	<i>Estimated Total Project Cost - \$6,365,000 -- Replace the existing bridge</i>																			
OS27. Kamehameha Highway (Route 83), Bridge Rehabilitation SysPres Makaua Stream Bridge	ROW												297	238	59				NHPP	
	CON															6,367	1,094	5,273		
	ADVCON																			
	<i>Estimated Total Project Cost - \$7,400,000 -- Rehabilitate the existing 44-foot long bridge by widening and strengthening to meet current State standards.</i>																			
OS28. Kamehameha Highway (Route 83), Bridge Replacement SysPres Kaipapua Stream Bridge	CON												17,600	4,080	13,520				NHPP	
	ADVCON															0	10,000	(10,000)		
	<i>Estimated Total Project Cost - \$21,600,000 -- Replace the existing bridge.</i>																			
OS29. Kamehameha Highway (Route 83), Bridge Replacement SysPres Kaluanui Stream Bridge	ROW										663	530	133						NHPP	
	CON												9,200	2,360	6,840					
	ADVCON															0	5,000	(5,000)		
	<i>Estimated Total Project Cost - \$11,000,000 -- Replace the existing bridge.</i>																			
OS30. Kamehameha Highway (Route 83), Bridge Replacement SysPres Kawela Stream Bridge	ROW	75	0	75															NHPP	
	DES	1,100	880	220																
	CON							6,300	5,040	1,260										
	<i>Estimated Total Project Cost - \$7,500,000 -- Replace the existing bridge.</i>																			
OS54. Kamehameha Highway (Route 99), Bridge Rehabilitation SysPres Kipapa (Roosevelt) Stream Bridge	DES	1,800	1,440	360															NHPP	
	ROW	25	0	25																
	CON				11,675	9,340	2,335													
<i>Estimated Total Project Cost - \$13,500,000 -- Rehabilitate and bring the existing bridge up to meet current State standards.</i>																				
OS31. Kamehameha Highway (Route 83), Bridge Replacement SysPres Laieloa Stream Bridge	ROW											208	166	42					NHPP	
	CON														9,740	792	8,948			
	ADVCON															0	7,000	(7,000)		
	<i>Estimated Total Project Cost - \$11,000,000 -- Replace the existing concrete slab bridge on Kamehameha Highway in the vicinity of Laie.</i>																			
OS32. Kamehameha Highway (Route 83), Bridge Replacement SysPres South Kahana Stream Bridge	ROW										1,040	832	208						NHPP	
	CON													27,050	11,640	15,410				
	ADVCON															0	10,000	(10,000)		
<i>Estimated Total Project Cost - \$30,300,000 -- Replace the existing bridge.</i>																				
OS34. Kamehameha Highway (Route 83), Bridge Replacement SysPres Waiahole Bridge	ROW												585	468	117				NHPP	
	CON															15,000	4,000	11,000		
	ADVCON																			
<i>Estimated Total Project Cost - \$16,000,000 - replace the existing bridge</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)	
OS35. Kamehameha Highway (Route 83), Bridge Replacement SysPres Waikane Stream Bridge	ROW													281	225	56				NHPP
	CON																	11,000	2,800	
<i>Estimated Total Project Cost - \$12,000,000 -- Replace the existing 44-foot long bridge by widening and strengthening to meet current State standards.</i>																				
OS36. Kamehameha Highway (Route 83), Bridge Replacement SysPres Waipilopilo Stream Bridge	ROW										1,020	816	204							NHPP
	CON																			
<i>Estimated Total Project Cost - \$11,300,000 -- Replace the existing concrete T-bridge on Kamehameha Highway in the vicinity of Hauula.</i>																				
OS61. Kamehameha Highway (Route 83) Realignment, Safety Vicinity of Kawaaloa Beach	PE2										2,900	100	2,800							NHPP
	ADVCON													0	2,220	(2,220)				
	PREROW																	50	40	
<i>Estimated Total Project Cost - \$39,000,000 -- Realign 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 to address safety issues that revolve around use of the beach.</i>																				
OS55. Kamehameha Highway (Route 83) Safety Improvements Safety Kahana Valley Road to Kaaawa Bridge	CON				1,632	1,306	326													HSIP
	CON																			
<i>Estimated Total Project Cost - \$1,850,000 -- Installation of milled rumble strips on centerline and shoulders, check superelevation along entire segment, pavement markings, striping and signing.</i>																				
OS51. Kamehameha Highway (Route 83), Safety Improvements Safety Kahakii Highway (Route 83) to Vic. Of Waikane Valley Road	CON										1,700	1,360	340							HSIP
	CON																			
<i>Estimated Total Project Cost - \$3,000,000 -- Installation of milled rumble strips on centerline and shoulders, check superelevation along entire segment, pavement markings, striping and signing.</i>																				
OS65. Kamehameha Highway (RTE 83) Shoreline Mitigation SysPres Vicinity of Kualoa, Kaaawa, Punaluu and Hauula	PE1				100	80	20													NHPP
	PE2/CON													10,400	0	10,400				
	ADVCON																0	5,000	(5,000)	
<i>Estimated Total Project Cost - \$11,100,000 -- Repair identified locations along the coastal highway that have a very high probability of further erosion in the immediate future.</i>																				
OS39. Kamehameha Highway (Route 83), Shoreline Protection, Safety Vicinity of Kaaawa (#10)	CON													10,820	8,640	2,180				NHPP
	CON																			
<i>Estimated Total Project Cost - \$12,400,000 -- Construct shoreline protection measures for areas in Kaaawa (#10) susceptible to ocean erosion due to high wave action.</i>																				
OS40. Kamehameha Highway (Route 83) Shoreline Protection, Safety Vicinity of Punaluu (#9)	CON																7,650	6,120	1,530	NHPP
	CON																			
<i>Estimated Total Project Cost - \$8,900,000 -- Construct shoreline protection measures for areas in Punaluu (#9) susceptible to ocean erosion due to high wave action.</i>																				
OS41. Kamehameha Highway (Route 83) Wetland Enhancement, Enhance Vicinity of Ukoa Pond	CON										6,500	100	6,400							NHPP
	ADVCON													0	5,100	(5,100)				
<i>Estimated Total Project Cost - \$7,700,000 -- 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>																				
OS42. Kualakai Parkway (Route 8930) Extension Modern	CON										18,100	0	18,100							STP FLEXIBLE
	ADVCON													0	8,000	(8,000)	0	6,480	(6,480)	
<i>Estimated Total Project Cost - \$20,000,000 -- Extend Kualakai Parkway approximately 0.3 miles from Kapolei Parkway to Roosevelt Avenue.</i>																				
OS43. Leeward Bikeway Enhance Phase I - Waipio Point Access Road to Hawaiian Railway Society	CON										9,360	0	9,360							STP ENHANCEMENT
	ADVCON													0	7,488	(7,488)				
	PREROW										110	88	22							
	ROW																			
	CON																	3,120	2,496	
<i>Estimated Total Project Cost - \$19,000,000 -- Improve/build bikeway/bike path from Waipio Point Access Road to Lualualei Naval Road.</i>																				
OS44. Moanalua Freeway (Route 78) and Interstate Route H-2 Safety Guardrail and Shoulder Improvements, Phase 1	CON									4,400	0	4,400								NHPP
	ADVCON												0	3,520	(3,520)					
<i>Estimated Total Project Cost - \$5,000,000 -- Install and/or upgrade the existing guardrails. Reconstruct and pave road shoulders.</i>																				
OS45. Moanalua Freeway (Route H-201), Highway Lighting Improvements SysPres MP 1.12 to MP 4.09 (Halawa Heights Off-Ramp to Middle St. Overpass)	CON									12,200	0	12,200								NHPP
	ADVCON												0	4,260	(4,260)	0	5,500	(5,500)		
<i>Estimated Total Project Cost - \$13,000,000 -- 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).</i>																				
OS46. Moanalua Freeway (Route H-201), Highway Lighting Improvements SysPres MP 0 to MP 0.73 (Halawa to H-3 Freeway Overpass)	CON									2,533	26	2,507								NHPP
	ADVCON												0	2,000	(2,000)					
<i>Estimated Total Project Cost - \$2,700,000 -- 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).</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)	
OS62. Pali Highway (Route 61) Resurfacing & Lighting Improvements SysPres Vineyard Blvd (Route 98) Kamehameha Highway (Route 83)																				NHPP
Ph 1 - Lighting Vineyard Blvd to Kamehameha Hwy & Resurf. Waokanaka St. to Kamehameha Hwy.	CON							69,000	24,000	45,000										
	ADVCON										0	10,200	(10,200)	0	21,000	(21,000)				
Ph 2 - Resurfacing, Vineyard Blvd to Waokanaka St	CON							4,300	3,440	860										HSIP
	CON													18,000	4,400	13,600				NHPP
	ADVCON															0	10,000	(10,000)		NHPP
<i>Estimated Total Project Cost -- \$96,000,000 -- Scope of work includes but is not limited to cold planing, resurfacing, reconstruction of weakened pavement, installation of new highway lighting, construction of concrete median barriers, replacement of guardrails in-kind and end treatments, installation of new guardrails, installing bridge rails, and installation of signs and pavement markings.</i>																				
OS49 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)
<i>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.</i>																				
OS52 Sand Island Access Road (Route 64), Truck Weigh Station	DES				135	0	135													NHPP
Safety Kapalama Container Terminal	PREROW				130	0	130													
	ROW										3,060	2,448	612							
	CON										5,100	80	5,020							
	ADVCON													0	4,000	(4,000)				
<i>Estimated Total Project Cost - \$9,000,000 -- design, construct &amp; operate a truck weigh station to perform truck inspections &amp; driver credential checks @ the egress of the container terminal on Sand Island Acc Rd. This includes aux. lanes to accommodate trucks, traffic controls, truck weighing infrastructure &amp; computer hardware/software, operator kiosk/office.</i>																				
OS63. Traffic Counting Stations, Various Locations	CON							2,500	0	2,500										STP FLEXIBLE
Modern	ADVCON										0	2,000	(2,000)							
<i>Estimated Total Project Cost - \$4,500,000 -- Construction of traffic counting stations for traffic data gathering and planning purposes. There is a separate phase shown for the rest of the islands in Statewide section of the STIP. This is a part of phase 2 of the Statewide project. The project will collect required Highway Performance Monitoring System (HPMS) data.</i>																				
<b>OAHU : STATE - FHWA TOTAL</b>		<b>158,769</b>	<b>89,719</b>	<b>69,050</b>	<b>100,095</b>	<b>68,760</b>	<b>31,335</b>	<b>283,796</b>	<b>90,884</b>	<b>192,912</b>	<b>144,891</b>	<b>82,512</b>	<b>62,379</b>	<b>175,889</b>	<b>162,448</b>	<b>13,441</b>	<b>148,785</b>	<b>134,530</b>	<b>14,255</b>	

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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)		
<b>OAHU : STATE - FTA</b>																					
OS50. Human	Transportation Assistance for Elderly and Disabled	EQP	482	385	97	497	397	100	512	409	103	529	422	107	546	435	111	564	449	115	FTA SECTION 5310
<i>Estimated Total Project Cost - \$7,156,000 -- Enhanced Mobility of Seniors and Individuals with Disabilities (Section 5310 - Urban) Funds from program will be utilized for the purchase of buses- for the program audience.</i>																					
OS68. Transit	HDOT State Safety Oversight Program	OPR							875	700	175	281	225	56	290	232	58	299	239	60	FTA SECTION 5329
<i>Estimated Total Project Cost - \$1,745,000 -- This funding will provide operational resources for the HDOT State Safety Oversight Program administered by the HDOT Rail Transit Safety Office and will Implement 49 CFR Part 674 State Safety Oversight Final Rule.</i>																					
<b>OAHU : STATE - FTA TOTAL</b>																					
			482	385	97	497	397	100	1,387	1,109	278	810	647	163	836	667	169	863	688	175	

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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)			
<b>CITY &amp; COUNTY OF HONOLULU - FHWA</b>																						
OC1. Alapai Transportation Management Center <b>Safety</b>	DES	1	0	1	6	1	5	10	0	10										STP FLEXIBLE		
	CON	23,770	0	23,770	23,373	0	23,373	25	0	25												
	ADVCON	0	12,674	(12,674)	0	16,000	(16,000)															
	EQP	1	0	1	1,700	0	1,700			200			250	200	50							
	OPR									200			500	400	100							
<i>Estimated Total Project Cost - \$97,813,000 -- A joint communications center to be built behind the Alapai Transit Center. The communications center will hold City, State &amp; emergency response agencies.</i>																						
OC2. Bikeway Improvements Program <b>Enhance</b>  TBD - DES 2019  TBD - DES 2020	PE2				1	0	1	103	66	37										STP FLEXIBLE		
	CON							677	541	136	100	80	20									
	INSP							157	125	32	50	40	10									
	ROW													1	0	1						
	PE1													425	300	125						
	PE2																125	100	25			
	ROW																1	0	1			
	PE1																425	300	125			
	<i>Estimated Total Project Cost - \$6,695,000 -- An on-going islandwide program for the implementation of the Oahu Bicycle Master Plan improvements, the development of new projects, and the upgrade of existing bicycle projects.</i>																					
	OC3. Bridge Inspection and Appraisal <b>SysPres</b>	DES	900	720	180	900	720	180	526	0	526	900	720	180	1,000	800	200	1,000	800		200	BRIDGE OFF SYSTEM
<i>Estimated Total Project Cost - \$5,600,000 -- Inventory, inspect, and appraise City bridges, including underwater inspection and scour survey.</i>																						
OC4. Computerized Traffic Control System <b>Congest</b>  Phase 15 - Nanakuli  Phase 16 - Waianae  Phase 17 - TBD	PE1										313	250	63							STP FLEXIBLE		
	PE2													250	200	50						
	CON																4,080	3,264	816			
	EQP																1	0	1			
	PE1													250	200	50						
	PE2																103	82	21			
	PE1																245	195	50			
	PE2																100	80	20			
	<i>Estimated Total Project Cost - \$12,508,000 -- Upgrade and expand fiber optic lines, CCTV cameras, data collection, and signal control in urban and rural areas for connection to the Traffic Control Center.</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)		
OC6. Kapolei Parkway (Route 8920) Extension <b>Congest</b>	DES	50	0	50																STP FLEXIBLE	
	CON	240	0	240																	
<i>Estimated Total Project Cost - \$23,789,000 -- Provide an extension of the existing Kapolei Parkway from Kamokila Blvd. to Fort Barrette Road to bring congestion relief to the ewa region where it is anticipated the majority of residential and employment growth is projected. This project is identified in the Oahu Regional Transportation Plan 2030.</i>																					
OC7. Makakilo Drive (Route 8810) Extension <b>Modern</b> Phase 1	PE2							1,500	0	1,500	1,570	0	1,570							STP FLEXIBLE	
	CON																				
<i>Estimated Total Project Cost - \$46,400,000 -- Plan, design and construct the extension of Makakilo Drive from the Palehua Subdivision to the H-1 Freeway.</i>																					
OC23. Salt Lake Boulevard Widening <b>Modern</b> Phase 3	CON										39,172	10,172	29,000	40,000	11,000	29,000				STP FLEXIBLE	
	CON																				
<i>Estimated Total Project Cost - \$80,000,000 -- To widen the Salt Lake Boulevard to a multi-lane roadway within the existing 100' right-of-way between Maluna and Ala Liliiko Streets.</i>																					
OC8. Traffic Improvements at Various Locations <b>Safety</b> Phase 1 - Village Park/Kupuna Loop  Phase 2 - Kalaheo Avenue/Kailua Road  Phase 3 - Liliha Street Design - Complete Streets  Phase 4 - University Avenue Design - Complete Streets  Phase 5 - TBD - DES 2019  Phase 6 - TBD - DES 2020	DES	450	360	90																STP FLEXIBLE	
	CON										2,185	1,750	435								
	INSP										250	200	50								
	ROW													106	0	106					
	CON													1,590	0	1,590					
	INSP													265	0	265					
	PE1							350	0	350											
	PE2										250	0	250								
	CON													1,625	0	1,625					
	INSP													130	0	130					
	PE1										425	0	425								
	PE2													125	0	125					
	CON																1,178	0	1,178		
	PE1													425	300	125					
PE2																125	100	25			
PE1																425	300	125			
<i>Estimated Total Project Cost - \$9,244,000 -- Provide traffic congestion relief and improve traffic safety at various locations, including but not limited to Palolo, Village Park &amp; Kupuna Loop area, and Kalaheo Avenue/Kailua Road.</i>																					
OC9. Traffic Signal Optimization <b>Congest</b> Phase 6 - Kapolei, Ewa, Makakilo  Phase 7 - TBD  Phase 8 - TBD	PE1												390	312	78					STP FLEXIBLE	
	PE2																260	208	52		
	PE1										1	0	1								
	PE2									100	0	100									
	PE1												1	0	1						
	PE2												100	0	100						
	CON																				
	CON																				
<i>Estimated Total Project Cost - \$803,000 -- To develop and implement optimum traffic signal timing plans for approximately 150 traffic signalized intersections.</i>																					

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OC10. Traffic Signals at Various Locations <i>Congest</i>	<b>Phase 15</b> - S. King St/Kealamakai St, Prospect St/Prospect Pl (Flashing beacon with signs), Makaloea St/Sheridan St, Prospect St, California Ave/Wahiawa District Park																			STP FLEXIBLE
	CON	3,496	2,800	696																
	EQP	4	0	4																
	<b>Phase 16</b> - Kapiolani Blvd/Kaimuki Ave, King St/Ward Ave, Salt Lake Blvd/Radford Dr, Ulune St/Service Rd, Farrington Hwy/Nanaieola St, Nehoa St/Mott-Smith Dr, Ala Ilima St/Ala Liliko St, Kamehameha Hwy/Lipoa St, Atkinson Dr/Mahukona																			
	CON							3,515	2,812	703										
	<b>Phase 17</b> - Kuulei Rd/Aulike St, Kamehameha Hwy/Haiku Rd, King St/Church Ln, Ahua St/Kilihau St, Kuaia St/Acacia Rd, King St/Pensacola St, Kamehameha Hwy/Pahia Rd																			
	CON										3,872	3,092	780							
	EQP							5	0	5	4	0	4							
	<b>Phase 18</b> - Renton Rd/Pahika St, Kapiolani Blvd at Pumehana St (Rapid Flashing Beacons), School St/Houghtaling St, Kapiolani Blvd/Atkinson Dr, Kapiolani Blvd/Kakakaua Ave, Moanalua Rd/Hoomalu St																			
	DES	438	350	88																
CON													2,882	2,305	577					
EQP													4	0	4					
<b>Phase 19</b> - Waialae Avenue at 16th Avenue, Moanalua Road at Ualo Street																				
PE1				274	219	55														
PE2										188	150	38								
CON																4,205	3,364	841		
EQP																4	0	4		
<i>Estimated Total Project Cost - \$23,515,000 -- Install and upgrade traffic signals island-wide including ADA improvements, signs and markings, and interties.</i>																				
OC25. Transportation Alternatives Program at Various Locations (MPO) <i>Enhance</i>	1 - HART Secure Bike Storage Units (FHWA to FTA Flex Funds: Estimated Total Project Cost - \$500,000)																			TAP-U
	CON				500	400	100													
	2 - HART Middle Loch Connector (FHWA to FTA Flex Funds: Estimated Total Project Cost - \$500,000)																			
	CON				500	400	100													
	4 - Bikeshare Equipment for Honolulu System Expansion (Estimated Total Project Cost - \$5,723,000)																			
	EQP							3,811	3,049	762										
	3 - Ala Wai Pedestrian and Bicycle Safety and Mobility Project (Estimated Total Project Cost - \$6,000,000)																			
	PE1										500	400	100							
PE2																				
5 - East Kapolei Rail Station Multi-modal Access Improvements (Estimated Total Project Cost - \$8,400,000)																				
PE2							600	0	600											
PE1										1,000	800	200								
6 - TBD (Estimated Total Project Cost - \$4,389,000)																				
CON													3,389	2,711	678					
CON																1,000	800	200		
<i>Estimated Total Project Cost - \$7,889,000 -- The Transportation Alternatives Program (TAP) is a competitive grant program that provides funding for programs and projects defined as transportation alternatives, including on- and off-road pedestrian and bicycle facilities, infrastructure projects for improving non-driver access to public transportation and enhanced mobility, and community improvement activities. Locations to be determined by the OahuMPO TAP Project Evaluation and Ranking process.</i>																				
OC26. Transportation Alternative Program (State) <i>Enhance</i>	Phase 4 - Purchase of Bike Share Stations and Bikes																			TAP
	EQP				1,254	999	255													
	Phase 3 - Haleiwa Road Multi-Use Path																			
	PE1				225	172	53													
	Phase 5 - Transit Oriented Development Wayfinding Master Plan																			
PE1				170	128	42														
Phase 1 - HART Chinatown Bike Facility (FHWA to FTA Flex Funds)																				
PE2/CON				250	200	50														
<i>Estimated Total Project Cost - Combined with the statewide portion, ~\$2.4 million/year -- The Transportation Alternatives Program (TAP) is a competitive grant program that provides funding for programs and projects defined as transportation alternatives, including on- and off-road pedestrian and bicycle facilities, infrastructure projects for improving non-driver access to public transportation and enhanced mobility, and community improvement activities. Locations to be determined by the State TAP Project Evaluation and Ranking process. HART projects may be flexed from FHWA to FTA.</i>																				
OC11. Waipio Point Access Road (Route 7139) Improvements <i>SysPres</i>	CON	158	96	62																
	<i>Estimated Total Project Cost - \$5,000,000 -- Construction of traffic improvements to improve a two-lane collector road between the Oahu Railway and Land Company Bicycle Pedestrian Path and the Waipio Peninsula Soccer Park.</i>																			STP FLEXIBLE
OAHU : C&C OF HONOLULU - FHWA TOTAL		29,508	17,000	12,508	29,153	19,239	9,914	11,479	6,593	4,886	51,630	18,254	33,376	52,958	18,128	34,830	13,277	9,593	3,684	

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<b>CITY &amp; COUNTY OF HONOLULU - FTA</b>																				
OC12. Agency-Provided Trips																				
Human																				
	OPR	334	167	167																
	OPR				209	104	105													
	OPR	512	249	263																
	OPR				722	307	415													
	OPR	733	0	733	1,087	0	1,087	2,259	0	2,259	3,100	0	3,100	3,223	0	3,223	3,352	0	3,352	
<i>Estimated Total Project Cost - \$11,899,000 -- Establish selected human service agencies as transportation providers serving their own clients who currently ride TheHandi-Van, and provide operating funds for the service.</i>																				
OC13. Bus and Handi-Van Acquisition Program																				
Transit																				
	INSP				48	38	10	49	39	10										
<i>Estimated Total Project Cost - \$153,918,000 -- Purchase replacement transit buses and handi-van vehicles.</i>																				
	EQP	15,086	11,461	3,625																
	EQP	2,403	1,923	480																
	EQP	2,673	2,158	515																
	EQP	8,636	6,909	1,727																
	EQP				3,688	2,519	1,169													
	EQP				13,018	10,414	2,604													
	EQP				1,410	1,133	277													
	EQP				4,453	3,562	891													
	EQP							9,633	7,706	1,927										
	EQP							1,164	929	235										
	EQP							4,866	3,891	975										
	EQP							7,528	6,027	1,501										
	EQP										20,825	2,231	18,594							
	EQP										1,503	1,202	301							
	EQP										3,345	2,399	946							
	EQP													20,825	2,231	18,594				
	EQP													1,533	1,226	307				
	EQP													3,411	2,447	964				
	EQP																20,825	2,231	18,594	
	EQP																1,564	1,251	313	
	EQP																3,480	2,496	984	
<i>Estimated Total Project Cost - \$153,918,000 -- Purchase replacement transit buses and handi-van vehicles.</i>																				
OC14. Bus Stop ADA Access and Site Improvements																				
Transit																				
	PLN	1	0	1	5	0	5	5	0	5	5	0	5	1	0	1	1	0	1	
	DES	270	0	270	365	0	365	365	0	365	365	0	365	270	0	270	270	0	270	
	CON	621	300	321	495	145	350	100	0	100	640	290	350	321	0	321	321	0	321	
	ROW	5	0	5	20	0	20	0	0	0	0	0	0	5	0	5	5	0	5	
	EQP				5	0	5	5	0	5	5	0	5							
	RELOC	1	0	1	5	0	5	20	0	20	5	0	5	1	0	1	1	0	1	
	INSP										20	0	20							
<i>Estimated Project Cost - \$4,185,000 - To modify bus stops and bring them into compliance with the Americans with Disabilities Act (ADA).</i>																				
OC15. Bus Stop Site Improvements																				
Transit																				
	PLN	5	0	5																
	ROW	1	0	1																
	DES	90	0	90																
	CON	1,735	1,330	405																
	EQP	1	0	1																
<i>Estimated Project Cost - \$1,832,000 -- This is an ongoing program to improve bus stops, bus shelters, benches, and other improvements at various locations.</i>																				
OC24. Capital Training																				
Transit																				
	OPR	25	20	5	25	20	5	25	20	5	26	21	5	26	21	5	27	22	5	
<i>Estimated Project Cost - \$150,000 -- Public Transit Division staff attendance at training workshops offered by the National Transit Institute.</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)		
OC16. Honolulu Rail Transit Project \$5309 New Starts FHWA to FTA Flex Funds: HDOT Highway Improvements (OS64) FHWA to FTA Flex Funds: Transportation Alternatives Program (OC25 and OC26)	HRTPT											2,480,034	744,010	1,736,024						FTA \$5309 NS	
	HRTPT							18,827	18,000	827		18,450	15,000	3,450							FTA \$5307/\$5340
	HRTPT											1,250	1,000	250							FTA \$5307/\$5340
<i>Estimated Total Project Cost - \$5,163,693,000 -- Plan, 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.</i>																					
a. Total estimated cost (YOE\$) = \$5,163,693,000 (including finance charges); PLN = \$25,027,000; Land Acquisition = \$222,188,000; DES = \$564,660,000; CON = \$4,143,317,000; EQP = \$208,501,000.																					
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 \$3,357,789,262 (YOE\$).																					
OC17. Local Shuttle Service	OPR							260	0	260		270	0	270	280	0	280	291	0	291	LOCAL
	OPR	204	102	102																	FTA \$5307/\$5340 (2014)
	OPR				204	102	102														FTA \$5307/\$5340 (2015)
<i>Estimated Total Project Cost - \$1,319,000 -- To maintain and expand shuttle services between Kalaeloa homeless shelter sites and the Kapolei Transit Center to address transportation needs of low income persons.</i>																					
OC18. Middle Street Intermodal Center	PLN							1,846	1,348	498		1	0	1							FTA \$5339
	PLN																				FTA \$5339 (2016)
	DES											200	0	200							LOCAL
	CON														5,864	0	5,864	5,867	0	5,867	LOCAL
	EQP														1	0	1	1	0	1	LOCAL
<i>Estimated Total Project Cost - \$13,780,000 -- 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.</i>																					
OC19. Mobility Management	OPR	257	197	60																	FTA \$5307/\$5340 (2014)
	OPR	92	76	16																	LOCAL
	OPR				407	325	82														FTA \$5310 (2013)
	OPR														458	0	458	476	0	476	LOCAL
<i>Estimated Total Project Cost - \$2,553,000 -- Improve access to transportation for people with disabilities, seniors, and people with low incomes by coordinating transit and human service transportation.</i>																					
OC22. Pedestrian Transit Connections	PLN	1	0	1																	LOCAL
	DES	250	0	250																	LOCAL
	CON	1,120	1,100	20																	FTA \$5307 (2014)
	INSP	10	0	10																	LOCAL
	EQP	5	0	5																	LOCAL
<i>Estimated Total Project Cost - \$1,386,000 -- Plan, design, construct, inspect, and provide equipment for pedestrian and bicycle safety and access improvements near bus stops and transit centers.</i>																					
OC20. Preventive Maintenance	OPR				41,638	21,833	19,805	31,250	25,000	6,250	31,250	25,000	6,250	31,250	25,000	6,250	31,250	25,000	6,250		FTA \$5307/\$5340
	OPR	32,927	17,265	15,662																	FTA \$5307/\$5340 (2015)
	OPR	4,407	2,311	2,096																	FTA \$5307/\$5340 (2014)
	OPR	4,304	2,257	2,047																	FTA \$5307/\$5340 (2013)
<i>Estimated Total Project Cost - \$287,082,000 -- Preventive maintenance of FTA-funded rolling stock (buses and handi-vans) to include parts, labor, and other related costs.</i>																					
OC21. Transit Safety and Security Projects	PLN	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1		LOCAL
	DES	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1		LOCAL
	CON	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1		LOCAL
	EQP	413	330	83	356	296	60	75	0	75	680	604	76	389	311	78	396	317	79		FTA \$5307/\$5340
<i>Estimated Total Project Cost - \$2,023,000 -- Capital projects at various transit locations to improve safety and security.</i>																					
<b>OAHU : C&amp;C OF HONOLULU - FTA TOTAL</b>		<b>77,125</b>	<b>48,155</b>	<b>28,970</b>	<b>68,163</b>	<b>40,798</b>	<b>27,365</b>	<b>78,280</b>	<b>62,960</b>	<b>15,320</b>	<b>2,561,977</b>	<b>791,757</b>	<b>1,770,220</b>	<b>67,861</b>	<b>31,236</b>	<b>36,625</b>	<b>68,127</b>	<b>31,317</b>	<b>36,810</b>		



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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)	
<b>FHWA FUNDING CATEGORY SUMMARY - OAHU</b>																				
NHPP (National Highway Performance Program)			85,132		61,313		59,857		63,481		143,673		122,731							
BRIDGE OFF-SYSTEM			720		720		0		720		800		800							
STP ENHANCEMENT / TAP			0		2,299		3,049		1,288		10,199		5,496							
STP FLEXIBLE			16,280		19,220		26,544		33,334		22,617		14,473							
SECTION 1404 - (Safe Routes to School)			0		0		0		0		0		0							
HSIP (Highway Safety Improvement Program)			0		4,160		3,440		1,656		3,000		136							
NATIONAL RECREATIONAL TRAILS			287		287		287		287		287		287							
CMAQ (Congestion Mitigation Air Quality)			0		0		0		0		0		0							
FTA TRANSFER FUNDS			0		0		0		0		0		0							
EQUITY BONUS			0		0		0		0		0		0							
EARMARK - HIGH PRIORITY			0		0		0		0		0		200							
EARMARK - RE-PURPOSED EARMARKS			0		0		2,000		0		0		0							
EARMARK - SECTION 112			0		0		0		0		0		0							
EARMARK - SECTION 115			0		0		0		0		0		0							
EARMARK - SECTION 117			0		0		0		0		0		0							
FLHD (Federal Lands Highway Discretionary)			0		0		0		0		0		0							
NRCS (National Resources Conservation Service)			0		0		0		0		0		0							
DISCRETIONARY			0		0		0		0		0		0							
HIGHWAYS FOR LIFE			0		0		0		0		0		0							
IMD (NHPP Discretionary)			4,300		0		2,300		0		0		0							
FERRY BOAT DISCRETIONARY / ARRA FBD			0		0		0		0		0		0							
SUBTOTAL			106,719		87,999		97,477		100,766		180,576		144,123							
LESS DISCRETIONARY, DEMO ...ETC. PROJECTS			(4,300)		0		(4,300)		0		0		(200)							
LESS FTA TRANSFER FUNDS			0		0		0		0		0		0							
REGULAR FORMULA AUTHORITY			102,419		87,999		93,177		100,766		180,576		143,923							

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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)	
<b>HAWAII : STATE - FHWA</b>																				
HS1. Akoni Pule Hwy (RTE 270) Realignment & Widening at Aamakao Gulch	CON												8,190	6,552	1,638				STP FLEXIBLE	
<i>Estimated Total Project Cost - \$8,500,000 -- Realign and widen roadway on the mauka side, improve shoulders and rock catchment area.</i>																				
HS2. Bridge and Pavement Improvement Program, Hawaii	CON	16,500	0	16,500	16,500	0	16,500	16,500	0	16,500	16,500	0	16,500	16,500	0	16,500	16,500	0	16,500	NHPP / STP FLEXIBLE
<i>Estimated Total Project Cost - \$98,300,000 -- System maintenance of highway bridges and pavements. Work may include bridge and/or pavement reconstruction, resurfacing, restoration, rehabilitation and/or preservation. Yearly lump sum amounts represent total State Special Maintenance Program (SMP) funding levels anticipated for Big Island program. The SMP is a program that funds individual repair or maintenance projects that do not normally occur annually. SMP funds have funded resurfacing and pavement and bridge preservation projects (System Preservation). The current list of prioritized proposed SMP projects has been posted on the STIP website at: <a href="http://hidot.hawaii.gov/highways/other/other-related-links/stip/">http://hidot.hawaii.gov/highways/other/other-related-links/stip/</a>. Qualified and priority SMP projects could receive federal funds should they become available.</i>																				
HS23. Daniel K. Inouye Highway (Route 200) Extension Mamalahoa Hwy (Rte 190) to Queen Kaahumanu Hwy (Rte 19)	PE2 PREROW							260	208	52										STP FLEXIBLE
<i>Estimated Total Project Cost - \$100,000,000 -- New roadway and/or realignment and extending Daniel K. Inouye Highway from the Kona terminus at Mamalahoa Highway to the Queen Kaahumanu Highway.</i>																				
HS24. Daniel K. Inouye Highway (Route 200) Improvements Phase 2D: East Side Grade & Pave, MP 6 to MP 11	CON	46,000	46,000	0																STP FLEXIBLE (DAR soft match)
<i>Estimated Total Project Cost - \$250,000,000 -- Widen and/or realign the existing two-lane highway.</i>																				
HS3. Guardrail and Shoulder Improvements, Various Locations	PE1 PE2																35	28	7	STP FLEXIBLE
<i>Estimated Total Project Cost - \$2,400,000 -- Improve guardrail and shoulders.</i>																				
HS4. Hawaii Belt Road (Route 19), Bridge Replacement, Pahoehe Stream Bridge	ROW CON										1,173	938	235							NHPP
<i>Estimated Total Project Cost - \$12,200,000 -- Replace existing bridge.</i>																				
HS5. Hawaii Belt Road (Route 19), Drainage Improvements and Rockfall Protection, Vicinity of Hakalau Bridge	PREROW ROW CON ADVCON	50	40	10			1,250	1,000	250				8,500	600	7,900					NHPP
<i>Estimated Total Project Cost - \$9,800,000 -- Install a new culvert system along the mauka shoulder. Include rockfall protection on the cutslope including a permanent mesh system on both sides of the roadway.</i>																				
HS6. Hawaii Belt Road (Route 19), Guardrail and Shoulder Improvements, Kaumoali Bridge to East Paaulo Bridge and Vicinity of Kalopa Bridge	CON ADVCON												5,600	480	5,120					NHPP
<i>Estimated Total Project Cost - \$5,600,000 -- Improve guardrail and shoulders along Hawaii Belt Road from Kaumoali Bridge towards Waipunahina Bridge.</i>																				
HS7. Hawaii Belt Road (Route 19), Guardrail and Shoulder Improvements, Kealakaha Bridge Towards Kaula Bridge	CON																1,560	1,248	312	NHPP
<i>Estimated Total Project Cost - \$1,800,000 -- Improve guardrail and shoulders from Kealakaha Bridge to Kaula Bridge.</i>																				
HS8. Hawaii Belt Road (Route 19), Guardrail and Shoulder Improvements, Kaala Bridge Towards Kealakaha Bridge	CON													1,560	1,248	312				NHPP
<i>Estimated Total Project Cost - \$1,800,000 -- Improve guardrail and shoulders from Kaala Bridge to Kealakaha Bridge.</i>																				
HS10. Hawaii Belt Road (Route 19), Rockfall Protection at Various Sections, Phase I (Laupahoehoe Gulch)	ROW CON ADVCON							270	216	54			56,700	0	56,700					NHPP
<i>Estimated Total Project Cost - \$60,000,000 -- Slope protection along Route 19, Hawaii Belt Road, in the vicinity of Laupahoehoe Gulch.</i>																				
HS12. Hilo Bayfront Highway (Route 19), Shoreline Protection	CON													3,640	2,912	728				STP FLEXIBLE
<i>Estimated Total Project Cost - \$3,900,000 -- Construct groin fields in phases along Hilo Bayfront.</i>																				
HS13. Kawaihae Road (Route 19), Waiaka Stream Bridge Replacement and Realignment of Approaches	ROW													2,290	1,832	458				NHPP
<i>Estimated Total Project Cost - \$14,700,000 -- Replacing the existing Waiaka Stream Bridge, realigning the bridge approaches, reconstructing the Route 19/Route 250 intersection and installing safety improvements.</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)		
HS14. Keaau-Pahoa Road (Route 130) Improvements, Keaau to Pahoa Phase 1 - Keaau Bypass to Pahoa-Kapoho Road <i>Modern</i>  <i>Estimated Total Project Cost - \$140,000,000 -- Improve traffic capacity, circulation and safety along Route 130.</i>	PREROW				104	83	21													STP FLEXIBLE	
	ROW													2,020	1,616	404					
	CON																				
HS15. Keaau-Pahoa Road (Route 130) Shoulder Lane Conversion Phase 2: Shower Drive Intersection Improvements <i>Modern</i>  <i>Estimated Total Project Cost - \$32,000,000 -- Reconstructing and widening the existing shoulder and constructing new shoulders on the inbound side of the highway between Keaau Bypass and Shower Drive. Phase 2 only includes work on the Shower Drive Intersection.</i>	CON				3,692	2,954	738													STP FLEXIBLE	
	CON				520	468	52														HSIP
	CON																				
HS17. Kohala Mountain Road (Route 250) Safety Improvements MP 7.2 to MP 9.2 <i>Safety</i>  <i>Estimated Total Project Cost - \$4,040,000 -- Scope includes, but is not limited to: Installation of milled rumble strips on centerline and shoulders; high friction surface treatment; curve ahead signs and beacons and chevrons for motorcycle safety; superelevation assessment (to determine treatment) along entire segment; pavement markings; and signing.</i>	DES	40	36	4																HSIP	
	CON							4,000	3,200	800											
	CON																				
HS18. Mamalahoa Highway (Route 11) Hilea Bridge Replacement (MP 57.7) <i>SysPres</i>  <i>Estimated Total Project Cost - \$10,000,000 -- Replace existing bridge.</i>	DES	1,400	1,120	280																STP FLEXIBLE	
	ROW	100	0	100																	
	CON							7,500	6,000	1,500											
HS26. Mamalahoa Highway (Route 11) Ninole Stream Bridge Replacement <i>SysPres</i>  <i>Estimated Total Project Cost - \$9,454,000 -- Replace existing bridge.</i>	DES	1,400	1,120	280																STP FLEXIBLE	
	ROW	65	0	65																	
	CON							5,500	4,400	1,100											
HS19. Mamalahoa Highway (Route 11) Drainage Improvements at Kawa <i>Safety</i>  <i>Estimated Total Project Cost - \$10,000,000 -- Drainage improvements, including the installation of box culverts and raising of the roadway.</i>	CON				6,120	4,896	1,224													STP FLEXIBLE	
	CON																				
	ADVCON												9,735	788	8,947	0	7,000	(7,000)			
HS20. Mamalahoa Highway (RTE 190), Safety Improvements MP 3.9 to MP 6.9 <i>Safety</i>  <i>Estimated Project Cost - \$1,500,000 --- Scope includes, but is not limited to: Installation of milled rumble strips on centerline and shoulders; pavement markings; and signing.</i>	CON							1,457	1,311	146										HSIP	
	CON																				
	CON	374	299	75	374	299	75	374	299	75	374	299	75	374	299	75	374	299	75	NATIONAL RECREATIONAL TRAILS (DLNR)	
HS22. Puainako St (Rte 2000) Widening and Realignment, Kanoelehua Ave (Rte 11) to Komohana St (Rte 1940), Phase 1 - Kawili (Rte 2770) to Kanoelehua Ave (Rte 11) Phase 2 - Komohana (RTE 1940) to Kawili (Rte 2770) <i>Modern</i>  <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>	PREROW												54	43	11					STP FLEXIBLE	
	ROW													5,600	4,480	1,120					
	ROW													1,000	800	200					
HS25. Queen Kaahumanu Highway (Route 19), Intersection Improvements at Kawaihae Road (Route 19) <i>Congest</i>  <i>Estimated Total Project Cost - \$1,500,000 -- Improve operation, capacity and safety of Queen Kaahumanu Hwy and Kawaihae Road intersection.</i>	PREROW												56	45	11					STP FLEXIBLE	
	ROW																				
	CON																				
HS28. Queen Kaahumanu Highway (Route 19), Resurfacing and Intersection Improvements, Vicinity of Kekaha Kai State Park <i>SysPres</i>  <i>Estimated Total Project Cost - \$6,500,000 -- Resurface road and replace pavement markings, widen Kekaha Kai State Park intersection, extend drainage culverts and replace signs.</i>	CON																			RE-PURPOSED EARMARKS	
	CON	307	213	94									6,000	800	5,200	0	4,000	(4,000)			
	ADVCON																				
<b>HAWAII - STATE - FHWA TOTAL</b>		<b>66,236</b>	<b>48,828</b>	<b>17,408</b>	<b>28,740</b>	<b>9,844</b>	<b>18,896</b>	<b>38,886</b>	<b>18,182</b>	<b>20,704</b>	<b>104,692</b>	<b>3,993</b>	<b>100,699</b>	<b>41,174</b>	<b>60,939</b>	<b>(19,765)</b>	<b>35,634</b>	<b>40,667</b>	<b>(5,033)</b>		

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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)	
<b>COUNTY OF HAWAII - FHWA</b>																				
HC1. Aali Drive (Route 186) Culvert Replacement <i>System Preservation</i>	CON										12,320	6,856	5,464							STP FLEXIBLE
	ADVCON													0	3,000	(3,000)				
<i>Estimated Total Project Cost - \$13,100,000 -- Replace existing concrete culvert with a new concrete bridge.</i>																				
HC3. Bridge Inspection and Appraisal <i>System Preservation</i>	PLN				200	160	40				200	160	40				200	160	40	STP FLEXIBLE
<i>Estimated Total Project Cost - \$600,000 -- Inspection of county-maintained bridges as required by FHWA.</i>																				
HC10. Hakalau Stream Bridge Replacement (Route 222) <i>System Preservation</i>	PE1							150	0	150										STP FLEXIBLE
	PE2							250	0	250										
	CON							3,000	2,400	600										
<i>Estimated Total Project Cost - \$3,400,000 -- Repair or reconstruct and restore the structural integrity and safety of the Hakalau Stream Bridge.</i>																				
HC11. Kaahakini Stream Bridge Rehabilitation <i>System Preservation</i>	PE1							200	0	200										STP FLEXIBLE
	PE2										300	0	300							
	CON																5,000	4,000	1,000	
<i>Estimated Total Project Cost - \$5,500,000 -- Repair or reconstruct and restore the structural integrity and safety of the Kaahakini Stream Bridge.</i>																				
HC4. Kawaiilani Street (Rte 2760) Improvements <i>Congestion</i> Vicinity of Kanoelani Street to Vicinity of Kuhlilani Street Phase 2B	CON				18,100	11,104	6,996													RE-PURPOSED EARMARKS
	ADVCON							0	3,216	(3,216)										
	ADVCON							0	160	(160)										
<i>Estimated Total Project Cost - \$22,000,000 -- Phase 1 includes intersection improvements at Pohakulani, Ainaloa and Iwalani. Phase 2 work includes roadway widening and reconstruction; constructing retaining walls and drainage improvements; street light and traffic signal systems; utility relocations; and installing concrete curbs, gutters, sidewalks, and curb ramps.</i>																				
HC5. Kuakini Highway (Route 1100) Widening, Phase II <i>Modern</i> Hualalai Road (Route 188) to Proposed Aali Highway (Route 1110)	PE2													1,632	1,305	327				STP FLEXIBLE
	CON																17,700	9,920	7,780	
<i>Estimated Total Project Cost - \$60,500,000 -- Widening of a 1.1 mile section of Kuakini Highway from Hualalai Road to the proposed Aali Highway. Construction costs for Phase 2 are estimated at \$45 million. The project will need to be phased due to our limited annual allotment of federal funds.</i>																				
HC6. Mamalaha Highway (Route 19) Widening <i>Modern</i> (Mud Lane to Mana Road)	CON							11,080	5,864	5,216										NHPP
	ADVCON										0	3,000	(3,000)							
<i>Estimated Total Project Cost - \$24,000,000 -- To widen and provide left-turn pockets for eighteen (18) intersections along the Mamalaha Highway; and related roadway improvements, including approach/taper lane widening and adjustments.</i>																				
HC7. Waianuenue Avenue (Route 2720) Improvements <i>Safety</i> Rainbow Drive to Akolea Road	DES	900	720	180										265	212	53				STP FLEXIBLE
	ROW													12,903	10,120	2,783				
	CON																			
<i>Estimated Total Project Cost - \$14,600,000 -- Provide roadway improvements to include bike lanes and pedestrian walkways along Waianuenue Avenue from Rainbow Drive to Akolea Road.</i>																				
<b>HAWAII : COUNTY OF HAWAII - FHWA TOTAL</b>		<b>900</b>	<b>720</b>	<b>180</b>	<b>18,300</b>	<b>11,264</b>	<b>7,036</b>	<b>14,680</b>	<b>11,640</b>	<b>3,040</b>	<b>12,820</b>	<b>10,016</b>	<b>2,804</b>	<b>14,800</b>	<b>14,637</b>	<b>163</b>	<b>22,900</b>	<b>14,080</b>	<b>8,820</b>	

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PROJECT	PHASE	FFY2015 (Oct 1, 14 - Sep 30, 15)			FFY2016 (Oct 1, 15 - Sep 30, 16)			FFY2017 (Oct 1, 16 - Sep 30, 17)			FFY2018 (Oct 1, 17 - Sep 30, 18)			FFY2019 (Oct 1, 18 - Sep 30, 19)			FFY2020 (Oct 1, 19 - Sep 30, 20)			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)	
<b>COUNTY OF HAWAII - FTA</b>																				
HC8. Bus and Bus Facility	EQP	520	415	105	537	428	109	554	441	113	572	455	117	590	469	121	609	484	125	FTA SECTION 5339 (Rural Bus Prgm)
<i>Estimated Total Project Cost - \$3,400,000 -- Capital projects to replace, rehabilitate and purchase buses, vans, and related equipment, and to construct bus-related facilities.</i>																				
HC12. Bus and Bus Facility (discretionary)	EQP							475	380	95										FTA SECTION 5339 (Rural Bus Prgm)
<i>Estimated Total Project Cost - \$475,000 -- Capital projects to replace buses.</i>																				
HC9. Rural Transportation Program	OPR	2,000	1,000	1,000	2,100	1,050	1,050	2,164	1,082	1,082	2,230	1,115	1,115	2,298	1,149	1,149	2,368	1,184	1,184	FTA SECTION 5311(b)(3)
<i>Estimated Total Project Cost - \$13,160,000 -- Planning, capital, operating, job access and reverse commute projects, and the acquisition of public transportation services.</i>																				
<b>HAWAII : COUNTY OF HAWAII - FTA TOTAL</b>		<b>2,520</b>	<b>1,415</b>	<b>1,105</b>	<b>2,637</b>	<b>1,478</b>	<b>1,159</b>	<b>3,193</b>	<b>1,903</b>	<b>1,290</b>	<b>2,802</b>	<b>1,570</b>	<b>1,232</b>	<b>2,888</b>	<b>1,618</b>	<b>1,270</b>	<b>2,977</b>	<b>1,668</b>	<b>1,309</b>	

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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)	
<b>FHWA FUNDING CATEGORY SUMMARY - HAWAII</b>																				
NHPP (National Highway Performance Program)			253		1,000		6,080		5,018		37,280		35,088							
BRIDGE OFF-SYSTEM			0		0		0		0		0		0							
STP ENHANCEMENT/TAP			0		0		0		0		0		0							
STP FLEXIBLE			48,960		19,197		16,432		7,892		37,197		19,360							
SECTION 1404 - (Safe Routes to School)			0		0		0		0		0		0							
HSIP (Highway Safety Improvement Program)			36		612		5,651		0		0		0							
NATIONAL RECREATIONAL TRAILS			299		299		299		299		299		299							
CMAQ (Congestion Mitigation Air Quality)			0		0		0		0		0		0							
FTA TRANSFER FUNDS			0		0		0		0		0		0							
EQUITY BONUS			0		0		0		0		0		0							
EARMARK - HIGH PRIORITY			0		0		0		0		800		0							
EARMARK - RE-PURPOSED EARMARKS			0		0		1,360		800		0		0							
EARMARK - SECTION 112			0		0		0		0		0		0							
EARMARK - SECTION 115			0		0		0		0		0		0							
EARMARK - SECTION 117			0		0		0		0		0		0							
FLHD (Federal Lands Highway Discretionary)			0		0		0		0		0		0							
NRCS (National Resources Conservation Service)			0		0		0		0		0		0							
DISCRETIONARY			0		0		0		0		0		0							
HIGHWAYS FOR LIFE			0		0		0		0		0		0							
IMD (NHPP Discretionary)			0		0		0		0		0		0							
FERRY BOAT DISCRETIONARY / ARRA FBD			0		0		0		0		0		0							
	SUBTOTAL		49,548		21,108		29,822		14,009		75,576		54,747							
	LESS DISCRETIONARY, DEMO ...ETC. PROJECTS		0		0		(1,360)		(800)		(800)		0							
	LESS FTA TRANSFER FUNDS		0		0		0		0		0		0							
REGULAR FORMULA AUTHORITY	TOTAL		49,548		21,108		28,462		13,209		74,776		54,747							

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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)	
<b>MAUI: STATE - FHWA</b>																				
MS1. <b>SysPres</b> Bridge and Pavement Improvement Program, Maui Kuihelani Highway Resurfacing, Honoapiilani Hwy to Puunene Ave	CON	17,700	0	17,700	20,500	0	20,500	20,500	0	20,500	20,500	0	20,500	20,500	0	20,500	20,500	0	20,500	NHPP / STP FLEXIBLE
	CON	11,300	8,500	2,800																
<i>Estimated Total Project Cost - \$117,960,000-System maintenance of highway bridges and pavements. Work may include bridge and/or pavement reconstruction, resurfacing, restoration, rehabilitation and/or preservation. Yearly lump sum amounts represent total State Special Maintenance Program (SMP) funding levels anticipated for Maui program. The SMP is a program that funds individual repair or maintenance projects that do not normally occur annually. SMP funds have funded resurfacing and pavement and bridge preservation projects (System Preservation) The current list of prioritized proposed SMP projects has been posted on the STIP website at: <a href="http://hidot.hawaii.gov/highways/other/other-related-links/stip/">http://hidot.hawaii.gov/highways/other/other-related-links/stip/</a>. Qualified and priority SMP projects could receive federal funds should they become available.</i>																				
MS2. <b>Safety</b> Guardrail and Shoulder Improvement Program at Various Locations, Maui  Part 2—Kuihelani Highway Guardrail and Shoulder Improvements, Honoapiilani Highway to Puunene Avenue Part 3 Part 4	CON				1,000	800	200													STP FLEXIBLE
	CON									1,000	800	200								
	CON																			
	CON																			
<i>Estimated Total Project Cost - \$3,000,000 -- Improve guardrails and shoulders at various locations.</i>																				
MS18. <b>SysPres</b> Hana Highway Bridge Preservation Program Phase 1	PE1										1,100	880	220							STP FLEXIBLE
	PE2										1,000	800	200							
	ROW													1,065	852	213				
<i>Estimated Total Project Cost - \$25,000,000 -- Improve Hana Highway Bridges. Improvements could include widening of lanes and shoulders, replace railings, strengthening of the superstructure to support current design loads, all abutments will be upgraded, all approach guardrail and CRM walls will be upgraded. Phase 1 will include work on 6 bridges. 1. Puohokamoa, 2. Kopiliua, 3. Mokulehua, 4. Ulaino, 5. Kailua, 6. Makenali</i>																				
MS19. <b>Safety</b> Hana Highway (Route 36) Safety Improvements, Kaiaea Ln. to the Vicinity of Haiku Rd., MP 7.9 to MP 10.9	DES				50	45	5													HSIP
	CON									450	405	45								
<i>Estimated Project Cost - \$500,000 ---Scope includes, but is not limited to: Installation of milled rumble strips on centerline and shoulders; superelevation assessment (to determine treatment) along entire segment, if necessary; install flashing beacons in both directions near Mama's Fish House; push back embankment; install rumble strips in lane; pavement markings; &amp; signing.</i>																				
MS4. <b>Modern</b> Hana Highway (Route 36) Widening, Kaahumanu Avenue (Route 32) to Vicinity of Airport Access Road	ROW										6,900	520	6,380							NHPP
	CON													0	5,000	(5,000)				
	ADVCON																			
<i>Estimated Total Project Cost - \$7,400,000 -- Widen Hana Highway.</i>																				
MS5. <b>SysPres</b> Honoapiilani Highway (Route 30), Bridge Replacement, Honolua Bridge	ROW																104	83	21	NHPP
	CON																5,825	4,660	1,165	
<i>Estimated Total Project Cost - \$6,750,000 -- Replacement of a concrete T-beam bridge on Honoapiilani Hwy in the vicinity of Honolua Bay.</i>																				
MS6. <b>Modern</b> Honoapiilani Highway (Route 3000) Realignment Phase 1B2 - Hokiokio Place to Relocated Southern Terminus	DES	50	40	10																NHPP
	ROW				100	0	100													
	PE2/CON				38,875	31,100	7,775													
<i>Estimated Total Project Cost - \$98,000,000 -- Continuation of Lahaina Bypass from Hokiokio Place to Relocated Southern Terminus AND from Keawe Street Extension to North of the Kaanapali Connector.</i>																				
MS7. <b>Safety</b> Honoapiilani Highway (Route 30), Safety Improvements Ukumehame to Olowalu	CON									1,352	1,217	135								HSIP
	CON																			
<i>Estimated Project Cost - \$1,500,000 --- Scope includes, but is not limited to: Installation of milled rumble strips on centerline and shoulders; pavement markings; and signing.</i>																				
MS17. <b>Safety</b> Honoapiilani Highway (Route 30), Safety Improvements Vicinity of Kapoli Street to Papalaua Beach Park	CON									3,120	2,496	624								HSIP
	CON																			
<i>Estimated Project Cost - \$3,500,000 --- Scope includes, but is not limited to: Installation of milled rumble strips on centerline and shoulders; pavement markings; and signing.</i>																				
MS8. <b>SysPres</b> Honoapiilani Highway (Route 30) Shoreline Protection Vicinity of Olowalu	CON	3,250	2,600	650																NHPP
	CON																			
<i>Estimated Total Project Cost - \$3,500,000 -- Shoreline protection for approximately 1000 feet of Honoapiilani Highway on the west side of Hekili Point.</i>																				
MS9. <b>SysPres</b> Kahului Beach Road (Route 3400), Shoreline Protection Kahului Bay	PREROW	20	16	4																STP FLEXIBLE
	ROW							240	192	48										
<i>Estimated Total Project Cost - \$6,100,000 -- 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.</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)		
MS10. National Recreational Trails Program - Maui (DLNR) <b>Enhance</b>	CON	449	359	90	449	359	90	449	359	90	449	359	90	449	359	90	449	359	90	NATIONAL RECREATIONAL TRAILS (DLNR)	
<i>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.</i>																					
MS12. Paia Bypass Road - Paia Alternative Route, Vicinity of Spreckelsville to Vicinity of Hookipa Park <b>Modern</b>	PE2													3,570	2,856	714				STP FLEXIBLE	
	PREROW																				
<i>Estimated Total Project Cost - \$169,000,000 -- Develop an alternative route to bypass the town of Paia and other short term traffic congestion improvements. Project will be phased after the environmental phase is complete.</i>																					
MS20. Piilani Highway (Route 31) Safety Improvements <b>Safety</b>	DES				90	81	9													HSIP	
	CON												1,600	1,280	320						
<i>Estimated Project Cost - \$500,000 ---Scope includes, but is not limited to: Installation of milled rumble strips on centerline and shoulders; shoulder widening where possible; traffic signal interconnectivity if possible; installation of backplates with retroreflective borders for all traffic signal heads; extend right turn acceleration lane from Welakahao Rd; install rumble strips in turning lanes; pavement markings; &amp; signing</i>																					
MS13. Puunene Ave. (Rte 3500) Improvements, Kamehameha Ave. (Rte 3940) to Kuihelani Hwy (Rte 380) <b>Modern</b>	PREROW	34	26	8																STP FLEXIBLE	
	ROW							158	126	32											
	CON																				
	ADVCON													10,000	3,000	7,000					
<i>Estimated Total Project Cost - \$14,000,000 -- Widen Puunene Ave. from Kaahumanu Ave. to Kuihelani Hwy. Improvement to bike lanes could be included where feasible.</i>																					
<b>MOLOKAI</b>																					
MS15. Kamehameha V Highway (Route 450), Bridge Replacement Makakupaia Stream Bridge <b>SysPres</b>	CON																	7,535	6,028	1,507	STP FLEXIBLE
<i>Estimated Total Project Cost - \$8,000,000 -- The existing 72 year old bridge will be replaced with a new bridge that meets current design standards. Update to meet current live load and seismic requirements. The existing substructure is also susceptible to scour and the hydraulic capacity of the structure does not meet current standards.</i>																					
<b>MAUI : STATE - FHWA TOTAL</b>		<b>32,803</b>	<b>11,541</b>	<b>21,262</b>	<b>61,064</b>	<b>32,385</b>	<b>28,679</b>	<b>25,819</b>	<b>4,390</b>	<b>21,429</b>	<b>32,999</b>	<b>5,044</b>	<b>27,955</b>	<b>35,584</b>	<b>12,067</b>	<b>23,517</b>	<b>35,523</b>	<b>17,018</b>	<b>18,505</b>		

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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)	
<b>COUNTY OF MAUI - FHWA</b>																				
MC1. Alaalaua Bridge Replacement, Hana Highway (Route 3700), MP 33.80 <i>Estimated Total Project Cost - \$8,750,000 - Construct a temporary bypass road; constructing a new bridge; then removing the temporary bypass road.</i>	DES							750	0	750										LOCAL
MC2. Baldwin Avenue (Route 390, MP 0-MP 5) Pavement Rehabilitation, Phase 2 - Haliimaile Road to Hana Hwy <i>Estimated Total Project Cost - \$9,600,000 - Reconstructing designated sections of the existing roadway pavement; resurfacing the remaining areas of roadway pavement; providing minor drainage improvements; adjusting existing manholes, valves, and street monuments; providing pavement striping and markings; and replacing existing signage.</i>	CON				6,700	5,000	1,700													STP FLEXIBLE
MC3. Bridge Inspection and Appraisal <i>Estimated Total Project Cost - \$1,000,000 -- Inspection of county-maintained bridges as required by FHWA. Bridge inspection funding is provided every two years.</i>	PLN	427	342	85				100	80	20			300	240	60					STP FLEXIBLE
MC4. Central Maui Traffic Signal Upgrades <i>Estimated Total Project Cost - \$1,570,000 -- The project will upgrade eight (8) existing signalized intersections within Kahului. Upgrades include new wiring, signal displays, signal hardware and software, replacing mast arms and signal poles (where needed), revising signal timing, and curb ramp upgrades.</i>	DES							270	0	270										STP FLEXIBLE
MC4. Papa Ave (Rte 3910, MP 1.28) & Kamehameha Ave (Rte 3940, MP 1.75) Papa Ave (Rte 3910, MP 0.9) & Onehee Ave (Rte 3960, MP 0.66) Wakea Ave (Rte 3920, MP 0.93) & Lono Ave (Rte 3950, MP 0.48) Wakea Ave (Rte 3920, MP 0.35) & Onehee Ave (Rte 3960, MP 0) Wakea Ave (Rte 3920, MP 0.13) & Kea St (Rte 3970, MP 0) Hina Ave (Rte 3930, MP 0.23) & Kamehameha Ave (Rte 3940, MP 1.12) Hina Ave (Rte 3930, MP 0.57) & Lono Ave (Rte 3950, MP 0.85) Kamehameha Ave (Rte 3940, MP 0.57) & Lono Ave (Rte 3950, MP 0.19)	CON											1,300	1,040	260						STP FLEXIBLE
MC5. Guardrail and Shoulder Improvements, Various Locations <b>Phase 1</b> - Haliimaile Road (Route 371), Haleakala Highway (Route 37) to Baldwin Ave (Route 390) MP 0-MP 2.62 <b>Phase 2</b> <i>Estimated Total Project Cost - \$4,500,000 -- Construction of new metal guardrails and guardrail end treatments, and upgrades to existing traffic signage and markings. This is a continuous improvement program.</i>	CON												1,592	1,200	392					STP FLEXIBLE
MC6. Halalawe Bridge Replacement, Hana Highway (Route 3700), MP 31.05 <i>Estimated Total Project Cost - \$8,250,000 -- The scope of work involves constructing a new bridge mauka of the existing bridge and providing limited repairs to maintain the existing bridge in place.</i>	CON															7,550	5,400	2,150		STP FLEXIBLE
MC10. Kahana Nui Bridge Replacement, Lower Honoapiilani Road (Route 3080), MP 2.40 <i>Estimated Total Project Cost - \$4,000,000 -- The scope of work involves demolishing the existing bridge, installing a new bridge, relocating existing sewer and water lines, reconstructing the existing drainage system to outlet into the new bridge, relocating an existing power pole, constructing new roadway with shoulders, sidewalks, curb and gutter, curb ramps and striping.</i>	CON												3,683	2,570	1,113					STP FLEXIBLE
MC11. Kahawaikapia Bridge Replacement, Hana Highway (Route 3700), MP 36.61 <i>Estimated Total Project Cost - \$6,500,000 -- The scope of work involves constructing a temporary bypass road mauka of the existing bridge; demolishing the existing bridge; constructing the new bridge; then removing the temporary bypass road.</i>	DES	830	24	806																STP FLEXIBLE
MC12. Kanaaloa Avenue (Route 3420, MP 0-MP 0.9), Mahalani Street / Maui Lani Parkway / Waiinu Road (Route 3231, MP 0-MP 1.18) Resurfacing, Kahului Beach Road (Route 3400) to Waiale Road (Route 3180) <i>Estimated Total Project Cost - \$7,100,000 -- The proposed scope of work for this project consists of pavement resurfacing, reconstructing existing curb ramps and sidewalks to be ADA compliant, replacing existing signs, pavement markings and striping.</i>	CON										300	0	300							STP FLEXIBLE
MC41. Kaupakalua Road (Route 365) Pavement Rehabilitation <b>Phase 1</b> - Kokomo Road to East Kuaiaha Road <b>Phase 2</b> - East Kuaiaha Road to Hana Highway <i>Estimated Total Project Cost - \$15,750,000 -- The proposed scope of work for this project consists of pavement reconstruction, utility adjustments, replacement of existing signs, and installation of pavement markings and striping.</i>	DES							550	0	550										STP FLEXIBLE
	CON												7,500	5,100	2,400					
	CON													7,700	5,600	2,100				

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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)	
MC13 Enhance Kihei Bikeway, Phase 2, Liloa Drive (Route 3115, MP 1.39-MP 1.49), Lipoa Street (Route 3160) to Halekua Street	CON	3,590	2,872	718																STP ENHANCEMENT
<i>Estimated Total Project Cost - \$5,700,000 -- The proposed scope of work for this project consists of the construction of a new 10 ft. wide multi-use path to accommodate pedestrians and bicyclists. Striping, signage &amp; markings, landscaping, and path lighting will also be part of the construction.</i>																				
MC14 SysPres Kokomo Road (Rte 366, MP 3.9-MP 3.1) Pavement Reconstruction Haiku Road (Route 366) to MP 3.1 and Makawao Avenue (Route 365, MP 3.2-MP 2.4) Pavement Reconstruction Pihiolo Road to Kokomo Road (Route 366)	CON							9,500	6,960	2,540										STP FLEXIBLE
<i>Estimated Total Project Cost - \$11,000,000 -- Proposed scope of work consists of pavement reconstruction, installing 4 feet wide paved shoulders, reconstructing existing curb ramps and sidewalks to be ADA compliant, installing 5 foot wide sidewalks to provide a continuous accessible route, utility adjustments, replacing existing signs, pavement markings and striping.</i>																				
MC15 SysPres Koukouai Bridge Modifications, Pilihi Highway (Route 3700), MP 28.59	CON												6,120	4,488	1,632					STP FLEXIBLE
<i>Estimated Total Project Cost - \$6,220,000 -- The scope of work involves constructing a temporary bypass road; repairing the existing bridge; then removing the temporary bypass road.</i>																				
MC16 SysPres Kuihahi Drive (Route 3210, MP 1-MP 0.2) Pavement Rehabilitation, Kualau Street to Honoapiilani Highway (Route 30)	DES CON	185	8	177																STP FLEXIBLE
<i>Estimated Total Project Cost - \$2,300,000 -- The proposed scope of work for this project consists of pavement reconstruction, reconstructing existing curb ramps to be ADA compliant, utility adjustments, replacing existing signs, pavement markings and striping.</i>																				
MC17 SysPres Kulanihakai Bridge Replacement South Kihei Road (Route 3100), MP 1.40	CON												4,243	3,329	914					STP FLEXIBLE
<i>Estimated Total Project Cost - \$4,900,000 -- The scope of work involves constructing a temporary bypass road mauka of the project site, demolishing the existing 4-cell box culvert bridge, installing a new bridge, installing new pavement, and removing the temporary bypass road.</i>																				
MC18 SysPres Lelekea Bridge Replacement Pilihi Highway (Route 3700), MP 27.23	CON																			STP FLEXIBLE
<i>Estimated Total Project Cost - \$4,494,000 -- The scope of work involves constructing a temporary bypass road; constructing a new bridge; then removing the temporary bypass road.</i>																				
MC19 SysPres Lower Honoapiilani Road (Route 3080, MP 2-MP 3.4) Improvements, Phase IV, Hooihui Road to Napilihau Road (Route 3090)	DES CON				350	0	350													STP FLEXIBLE
<i>Estimated Total Project Cost - \$16,000,000 -- The proposed scope of work consists of pavement reconstruction, road widening, construct drainage systems, relocate waterlines, construct grade adjustment walls, construct sidewalks, reconstructing existing curb ramps to be ADA compliant, replacing existing signs, pavement markings and striping.</i>																				
MC20 SysPres Lower Honoapiilani Road (Route 3080, MP 0-MP 2) Pavement Rehabilitation, Honoapiilani Highway (Route 30) to Hooihui Road	DES CON							300	0	300										STP FLEXIBLE
<i>Estimated Total Project Cost - \$5,400,000 -- The proposed scope of work for this project consists of pavement rehabilitation, reconstructing existing curb ramps and sidewalks to be ADA compliant, replacing existing signs, pavement markings and striping.</i>																				
MC21 SysPres Lower Main Street (Route 3830, MP 2.0-MP 1.4) Resurfacing, Kahului Beach Road (Route 3400) to Hala Place	DES CON				175	0	175													STP FLEXIBLE
<i>Estimated Total Project Cost - \$4,000,000 -- The proposed scope of work for this project consists of pavement resurfacing, reconstructing existing curb ramps and sidewalks to be ADA compliant, replacing existing signs, pavement markings and striping.</i>																				
MC22 Enhance Makawao Avenue (Route 365, MP 1.5-MP 1.7) - Makani Road (Route 3630, MP 1.4-MP 1.6) Improvements, Phase I - Eddie Tam Gymnasium to Kalama Intermediate School	ROW CON				750	0	750													STP FLEXIBLE
<i>Estimated Total Project Cost - \$2,100,000 -- Construct sidewalk improvements to provide a clear separation between travel lanes and pedestrians. Project will also review traffic operations and make recommendations to improve traffic flow through the Makawao-Makani intersection.</i>																				
MC23 Congest Mill Street (Route 3840) Traffic Signal at Imi Kala Street, MP 0.3	CON													730	584	146				STP FLEXIBLE
<i>Estimated Total Project Cost - \$1,430,000 -- Construct traffic signal improvements at the intersection of Mill Street and Imi Kala Street.</i>																				
MC24 Enhance North Shore Greenway, Phase IV Hana Highway (Route 36, MP 5.28-MP 6.11) from Ulupua Street to Baldwin Park	CON												1,300	1,040	260					STP ENHANCEMENT
<i>Estimated Total Project Cost - \$1,800,000 -- An asphalt shared-use path will be constructed between Spreckelsville and Baldwin Park. The project will cross Kailua Stream and parallel Hana Highway.</i>																				
MC25 Modern North-South Collector Road (Route 3115, MP 1.21-MP 1.99), Kaonoulu Street to Namau Place	DES CON	450	0	450																STP FLEXIBLE
<i>Estimated Total Project Cost - \$32,000,000 -- The proposed scope of work consists of the construction of a new 2-lane roadway with a separated greenway to accommodate pedestrians and bicyclists. New concrete curb and gutters, traffic signage and markings, and street lighting will also be part of the construction.</i>																				



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<b>COUNTY OF MAUI - FTA</b>																				
MC36. Bus and Bus Facility (Rural)	EQP	935	748	187	964	771	193	994	795	199	1,024	819	205	1,056	844	212	1,089	870	219	FTA SECTION 5339 (Bus and Bus Facilities Prqgm)
<i>Transit</i>																				
<i>Estimated Total Project Cost - \$6,062,000 -- Program funds will be utilized to purchase communication, passenger counting equipment and buses for transit operations.</i>																				
MC42. Metropolitan Transportation Planning Program	PLN	208	166	42	209	167	42	215	172	43	221	177	44	229	183	46	235	188	47	FTA SECTION 5305(d) Kahului (pop 50,000-199,000)
<i>Transit</i>																				
<i>Estimated Total Project Cost - \$1,317,256 -- Planning projects.</i>																				
MC37. Rural Transportation Program	OPR	1,000	500	500	1,050	525	525	1,080	540	540	1,112	556	556	1,146	573	573	1,180	590	590	FTA SECTION 5311(b)(3)
<i>Transit</i>																				
<i>Estimated Total Project Cost - \$6,568,000 -- Planning, capital, operating, job access and reverse commute projects, and the acquisition of public transportation services.</i>																				
MC38. Urbanized Area - Kahului	PLNEQP/OPR										2,082	1,041	1,041							FTA SECTION 5307 - Kahului (pop.. 50,000 - 199,999)
<i>Transit</i>																				
<i>Estimated Total Project Cost - \$2,082,000 -- Provides grants to Urbanized Areas for public transportation capital, planning, job access and reverse commute projects, as well as operating expenses in certain circumstances.</i>																				
MC39. Transportation Assistance for Elderly and Disabled	EQP	419	335	84	433	346	87	447	357	90	461	368	93	476	380	96	491	392	99	FTA SECTION 5310
<i>Human</i>																				
<i>Estimated Total Project Cost - \$2,727,000 -- Enhanced Mobility of Seniors and Individuals with Disabilities (Section 5310 - Non-Urban) Funds from program will be utilized for the purchase of vehicles.</i>																				
<b>MAUI : COUNTY OF MAUI - FTA TOTAL</b>		<b>2,562</b>	<b>1,749</b>	<b>813</b>	<b>2,656</b>	<b>1,809</b>	<b>847</b>	<b>2,736</b>	<b>1,864</b>	<b>872</b>	<b>4,900</b>	<b>2,961</b>	<b>1,939</b>	<b>2,907</b>	<b>1,980</b>	<b>927</b>	<b>2,995</b>	<b>2,040</b>	<b>955</b>	

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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)	
<b>FHWA FUNDING CATEGORY SUMMARY - MAUI</b>																				
NHPP (National Highway Performance Program)			11,140		31,100		0		520		5,000		4,743							
BRIDGE OFF-SYSTEM			0		0		0		0		0		0							
STP ENHANCEMENT/TAP			2,872		0		0		1,040		1,384		0							
STP FLEXIBLE			3,943		7,520		12,958		10,909		47,358		36,447							
SECTION 1404 - (Safe Routes to School)			0		0		0		0		0		0							
HSIP (Highway Safety Improvement Program)			0		126		3,713		1,685		0		0							
NATIONAL RECREATIONAL TRAILS			359		359		359		359		359		359							
CMAQ (Congestion Mitigation Air Quality)			0		0		0		0		0		0							
EQUITY BONUS			0		0		0		0		0		0							
EARMARK - HIGH PRIORITY			0		0		0		0		0		0							
EARMARK - RE-PURPOSED EARMARKS			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			0		0		0		0		0		0							
FLHD (Federal Lands Highway Discretionary)			0		0		0		0		0		0							
NRCS (National Resources Conservation Service)			0		0		0		0		0		0							
DISCRETIONARY			0		0		0		0		0		0							
HIGHWAYS FOR LIFE			0		0		0		0		0		0							
FTA TRANSFER FUNDS			0		0		0		0		0		0							
IMD (NHPP Discretionary)			0		0		0		0		0		0							
FERRY BOAT DISCRETIONARY / ARRA FBD			0		0		0		0		0		0							
	SUBTOTAL		18,314		39,105		17,030		14,513		54,101		41,549							
	LESS DISCRETIONARY, DEMO ...ETC. PROJECTS		0		0		0		0		0		0							
	LESS FTA TRANSFER FUNDS		0		0		0		0		0		0							
REGULAR FORMULA AUTHORITY	TOTAL		18,314		39,105		17,030		14,513		54,101		41,549							

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<b>KAUAI : STATE - FHWA</b>																				
KS1. Bridge and Pavement Improvement Program, Kauai Kuhio Hwy Resurf., S Koolau Rd. to Kapuna Rd. MP 16.8 - MP 18.05 <i>Estimated Total Project Cost - \$67,200,000 -- System maintenance of highway bridges and pavements. Work may include bridge and/or pavement reconstruction, resurfacing, restoration, rehabilitation and/or preservation. Yearly lump sum amounts represent total State Special Maintenance Program (SMP) funding levels anticipated for Kauai program. The SMP is a program that funds individual repair or maintenance projects that do not normally occur annually. SMP funds have funded resurfacing and pavement and bridge preservation projects (System Preservation). The current list of prioritized proposed SMP projects has been posted on the STIP website at: <a href="http://hidot.hawaii.gov/highways/other/other-related-links/stip/">http://hidot.hawaii.gov/highways/other/other-related-links/stip/</a>. Qualified and priority SMP projects could receive federal funds should they become available.</i>	CON	11,250	0	11,250	12,000	0	12,000	12,000	0	12,000	12,000	0	12,000	12,000	0	12,000	12,000	0	12,000	NHPP / STP FLEXIBLE
	SysPres	CON	3,750	3,000	750															
KS2. Guardrail and Shoulder Improvements on State Highways, Kauai Part 3 Part 4 Part 5 <i>Estimated Total Project Cost - \$3,300,000 -- Improve guardrails and shoulders at various locations.</i>	CON				1,020	816	204													STP FLEXIBLE
	DES				100	0	100													
	CON							2,600	2,080	520										
	PE1										50	0	50							
	PE2													50	0	50				
	CON													2,000	1,600	400				
KS3. Kapule Highway / Rice Street / Waapa (Route 51) Road Improvements and Nawiliwili Bridge Replacement <i>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.</i>	ROW										850	680	170							NHPP
	SysPres	CON															4,185	3,348	837	
KS4. Kaunualii Highway (Route 50), Bridge Rehabilitation Bridge No. 7E <i>Estimated Total Project Cost - \$5,365,000 -- Repair/rehabilitate bridge 7E on Kaunualii Highway update to current bridge standards.</i>	ROW	67	0	67																NHPP
	SysPres	CON				4,440	3,552	888												
KS5. Kaunualii Highway (Route 50), Bridge Rehabilitation Hanapepe Bridge Phase 1 - Detour Road Phase 2 - Bridge work <i>Estimated Total Project Cost - \$35,000,000 --- Repair existing bridge substructure, including the initiation of scour prevention measures to improve bridge footings. 2015 CON funds to procure a Construction Management General Contractor (CMGC) to provide construction related input as the designer prepares the designs.</i>	ROW	105	0	105																STP FLEXIBLE
	SysPres	CON	100	80	20															
	CON				5,025	4,020	1,005													
	CON							27,200	15,000	12,200										
KS6. Kaunualii Highway (Route 50), Bridge Replacement Omao Bridge <i>Estimated Total Project Cost - \$8,000,000 -- Rehabilitation of concrete T-girder bridge on Kaunualii Hwy in the vicinity of Omao Road.</i>	CON													7,800	6,240	1,560				STP FLEXIBLE
	SysPres																			
KS8. Kuhio Highway (Route 56), Bridge Replacement Kapaia Bridge <i>Estimated Total Project Cost - \$13,000,000 -- Replacement of a multi-T beam reinforced concrete girder on Kuhio Hwy in the vicinity of Kapaia.</i>	ROW										840	672	168							NHPP
	SysPres	CON												11,275	1,020	10,255				
	ADVCON																0	8,000	(8,000)	
KS15. Kuhio Highway (Route 560), Bridge Rehabilitation Wainiha Stream Bridges #1, #2, #3 Phase 1 - Detour Road Phase 2 - Bridge work <i>Estimated Total Project Cost - \$33,000,000 -- Repair/rehabilitate existing bridges. 2015 CON funds to procure a Construction Management General Contractor (CMGC) to provide construction related input as the designer prepares the designs.</i>	DES	2,100	1,680	420																STP FLEXIBLE
	SysPres	ROW	100	0	100															
	CON	100	80	20																
	CON				1,000	800	200													
	CON													30,000	24,000	6,000				
KS9. Kuhio Highway (Route 560), Bridge Rehabilitation Waioli, Waipa, and Waikoko Stream Bridges Phase 1 - Detour Road Phase 2 - Bridge work <i>Estimated Total Project Cost - \$11,000,000 -- Rehabilitate existing bridges.</i>	PE										900	720	180							STP FLEXIBLE
	SysPres	ROW												630	504	126				
	CON													9,000	2,200	6,800				
	CON																			
	ADVCON																0	5,000	(5,000)	
KS14. Kuhio Highway (Route 56) Emergency Slope Stabilization, Kalihiwai Bridge <i>Estimated Total Project Cost - \$15,000,000 - Slope stabilization including clearing trees, removing loose rocks, installing rock anchors and installing shielding for motorists.</i>	CON										13,000	1,000	12,000							STP FLEXIBLE
	SysPres	ADVCON												0	6,400	(6,400)	0	3,000	(3,000)	
KS11. Kuhio Highway (Route 56), Mailihuna Road Intersection Improvements and Kapaa Stream Bridge Rehabilitation Phase 1 - Detour Road Phase 2 - Bridge work <i>Estimated Total Project Cost - \$16,500,000 -- Safety improvements at Mailihuna 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.</i>	ROW	120	0	120																NHPP
	SysPres	CON				2,470	1,976	494												
	CON													19,375	15,500	3,875				
	CON													2,625	2,100	525				RE-PURPOSED EARMARKS
KS12. Kuhio Highway (Route 56) Safety Improvements, MP 21.4 - 27.1 <i>Estimated Total Project Cost - \$1,520,000 -- Scope includes but not limited to, installation of milled rumble strips on centerline and shoulders. Super elevation assessment along entire segment along with pavement markings and signing.</i>	DES				120	96	24													HSIP
	SysPres	CON							1,400	1,120	280									
KS13. National Recreational Trails Program - Kauai (DLNR) <i>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.</i>	CON	314	251	63	314	251	63	314	251	63	314	251	63	314	251	63	314	251	63	NATIONAL RECREATIONAL TRAILS (DLNR)
	Enhance																			
<b>KAUAI : STATE - FHWA TOTAL</b>			<b>18,006</b>	<b>5,091</b>	<b>12,915</b>	<b>26,489</b>	<b>11,511</b>	<b>14,978</b>	<b>43,514</b>	<b>18,451</b>	<b>25,063</b>	<b>49,954</b>	<b>20,923</b>	<b>29,031</b>	<b>73,069</b>	<b>42,215</b>	<b>30,854</b>	<b>16,499</b>	<b>19,599</b>	<b>(3,100)</b>



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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)	
<b>COUNTY OF KAUAI - FHWA</b>																				
KC1. Bridge Inspection and Appraisal	OPR				125	100	25				125	100	25				125	100	25	STP FLEXIBLE
<i>Estimated Total Project Cost - \$375,000 -- Inspection of various bridges throughout the County. FHWA Requirement. This is a regularly scheduled program.</i>																				
KC2. Hanapepe Road (Rte 545) Resurfacing	PE2										300	240	60							STP FLEXIBLE
	CON													3,030	2,424	606				
<i>Estimated Total Project Cost - \$3,200,000 -- Resurface the entire length (5400 feet) of Hanapepe Road. Full depth reclamation (FDR) technology will be used on this project whenever necessary to match existing adjacent facilities.</i>																				
KC16. Improvements to Maluhia Rd. (RTE 520) and Kōloa Rd. (RTE 530)	PE							500	0	500										STP FLEXIBLE (PE as soft match)
	CON										4,500	4,000	500							
<i>Estimated Total Project Cost - \$5,000,000 -- Part of an ongoing roadway and street maintenance program. Work proposed for this phase will involve rehabilitation and resurfacing of the pavement of Maluhia Road and Koloa Road, which exhibit cracked and delaminated pavement as well as base failure. The work also includes shoulder widening these roads, to better serve all users and provide support for the pavement. The work also includes drainage improvements in areas that exhibit erosion and inadequate drainage.</i>																				
KC17. Improvements to Various Collector Roads	PE										500	0	500							STP FLEXIBLE (PE as soft match)
	CON													4,500	4,000	500				
<i>Estimated Total Project Cost - \$5,000,000 -- part of an ongoing roadway and street maintenance program. Work proposed for this phase will involve rehabilitation and resurfacing of the pavement of the project roads, which exhibit cracked and delaminated pavement as well as base failure. The work also includes shoulder widening on some project roads (Oloahena Rd. and Kaapuni Rd.) where feasible, to better serve all users and provide support for the pavement. The work also includes drainage improvements in areas that exhibit erosion and inadequate drainage.</i>																				
KC13. Kapahi Bridge Replacement	CON	2,000	1,600	400																STP FLEXIBLE
<i>Estimated Total Project Cost - \$2,500,000 -- Repair or rehabilitate and strengthen the existing Kapahi Bridge by construction of new concrete abutments, concrete planks, and concrete deck; installation of a new bridge rails; and restoration of existing steel truss members.</i>																				
KC3. Kawaihau Road (Route 5860), Hauaala Road (Route 5865)	PLN	100	80	20																STP FLEXIBLE
	DES	275	220	55																
	CON													3,183	2,546	637				
<i>Estimated Total Project Cost - \$3,435,000 -- Construction of roundabouts at Hauaala Rd (Route 5865)/Kawaihau Rd (Route 5860)/Mailihuna Rd (Route 5870) Intersection; Sidewalk and pedestrian crossing improvements on Kawaihau Rd (Route 5860); Sidewalk construction on Hauaala Rd (Route 5865) in the vicinity of Saint Catherine School; Roundabout at Kawaihau Rd (Route 5860)/Nunu Rd Intersection; Sidewalk construction on Mailihuna Rd (Route 5870); Bus stop shelters on Kawaihau Rd (Route 5860).</i>																				
KC4. Lihue-Anahola Coastal Bike Path																				STP ENHANCEMENT
Phase III - Lydgate Park to Kapaa Bike/Pedestrian Path																				
Phase A-1, Kawaihau Elevated Boardwalk, Kawaihau Road to Gore Park	CON				2,250	2,250	0													
Phase C & D	PE2										404	404	0							
	ROW										505	505	0							
	CON										500	500	0							
	ADVCON													1,091	1,091	0				
<i>A shared-use path for pedestrians, bicyclists, and other users from Papaloa Road to Uhelekawawa Canal, a distance of approximately 1.2 miles. The bike/pedestrian path will be 10 to 12 feet wide and allow movement in both directions.</i>																				
Phase IV - Ahukini to Lydgate Park Bike/Pedestrian Path	PE2													1,167	1,167	0				
Phase A - Ahukini Landing to Hanamaulu Beach Park	CON																7,727	7,727	0	
Phase B - Hanamaulu Beach Park to Wailua Golf Course	PE1													831	831	0				
	ROW																4,162	4,162	0	
<i>The 10' to 12' wide 6" thick 5.3 mile concrete path from Ahukini Pt., connecting with an existing path at Lydgate Park. A future phase C will go from Wailua Golf Course to Lydgate Park and cost \$9.5 million.</i>																				
Phase VI - Nāwiliwili to Ahukini Bike/Pedestrian Path	PE2													1,907	1,907	0				
Phase A - Ninini Point to Ahukini	ROW																		420	420
	CON																			0
Phase B - Ninini Point to Nawiliwili Beach Park	PE2													1,020	1,020	0				
<i>Path development will consist of a 10 to 12-foot wide concrete shared-use coastal path constructed of various low-maintenance materials. Bike lane and sidewalk improvements to existing and planned street corridors will provide additional connectivity through urban areas.</i>																				
<i>Estimated Total Project Cost - \$50,500,000 -- Complete Lihue - Anahola Coastal Bike Path, a shared use path.</i>																				
KC14. Lihue Town Core Mobility and Revitalization	PE1				1,091	953	138													TIGER (2015)
	PE2/CON							14,724	12,862	1,862										
<i>Estimated Total Project Cost - \$16,253,059 -- 1) Conversion of Eiwa Street to a transit hub; 2) Rice Street road diet and streetscape improvements; 3) Sidewalks on Hoala and Kalena Streets; 4) Hoaloko Street bicycle and pedestrian improvements; 5) Civic Center to Convention Hall shared use path; 6) Civic Center Transit Services; and 7) Puaole and Malae Streets bicycle boulevard.</i>																				
KC6. Opaekaa Bridge Rehabilitation	CON										3,535	2,828	707							STP FLEXIBLE
<i>Estimated Total Project Cost - \$3,500,000 -- Repair or rehabilitate and strengthen the existing Opaekaa Stream Bridge by construction of new concrete abutments, concrete planks, and concrete deck; installation of a new bridge rails; and restoration of existing steel truss members.</i>																				
KC7. Poipu Road (Route 520) Multimodal Improvements	PLN	100	80	20																STP FLEXIBLE
	DES	400	320	80																
Phase 1 - Lawai Road to Keleka Road	CON													5,100	4,080	1,020				
Phase 2 - Koloa Road to Lawai Road	CON																4,080	3,264	816	
<i>Estimated Total Project Cost - \$9,500,000 -- Construction of sidewalks and bike lanes; Intersection and pedestrian crossing improvements; Construction of a roundabout at Kiahuna Plantation Drive intersection and Ala Kioiki; Construction of bus stop shelters; Construction of medians and landscaping</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)	
KC8. Puhi Road (Route 5010) Rehabilitation																				STP FLEXIBLE
<b>SysPres</b> Phase 1 - Kaunualii Highway(RTE 50) Kaneka St. (MP 0.00 to 0.35)	CON	3,300	2,640	660																
Phase 2 - Kaneka Street to S. Haleukana Street (MP 0.35 to 0.80)	DES	250	200	50																
	CON												3,605	2,884	721					
<i>Estimated Total Project Cost - \$7,100,000 -- Rehabilitate Puhi Road. Phase 1 was from Kaunualii Hwy (MP 0.00) to Kaneka Street. Phase 2 will rehabilitate Puhi Road from Kaneka Street to South Haleukana Street intersection (MP 0.35 to MP 0.80), pavement widening, incorporating Complete Streets principles, and replacing pavement markers, striping, and traffic signs.</i>																				
KC9. Puuopae Bridge Rehabilitation																				STP FLEXIBLE
<b>SysPres</b>	CON							3,249	2,599	650										
<i>Estimated Total Project Cost - \$3,600,000 -- Repair or rehabilitate and strengthen the existing Puuopae Bridge by performing the replacement of steel girders, construction of new concrete abutments, and installation of a new concrete deck and bridge rails.</i>																				
<b>KAUAI : COUNTY OF KAUAI - FHWA TOTAL</b>		<b>6,425</b>	<b>5,140</b>	<b>1,285</b>	<b>3,466</b>	<b>3,303</b>	<b>163</b>	<b>18,473</b>	<b>15,461</b>	<b>3,012</b>	<b>10,369</b>	<b>8,577</b>	<b>1,792</b>	<b>25,434</b>	<b>21,950</b>	<b>3,484</b>	<b>16,514</b>	<b>15,673</b>	<b>841</b>	

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<b>COUNTY OF KAUAI - FTA</b>																				
KC11. Bus and Bus Facility	EQP	520	415	105	537	428	109	554	441	113	572	455	117	590	469	121	609	484	125	FTA SECTION 5339 (Rural Bus Prgm)
<i>Estimated Total Project Cost - \$3,400,000 -- Capital projects to replace, rehabilitate and purchase buses, vans, and related equipment, and to construct bus-related facilities.</i>																				
KC15. Bus and Bus Facility (discretionary)	EQP							725	580	145										FTA SECTION 5339 (Rural Bus Prgm)
<i>Estimated Total Project Cost - \$725,000 -- Capital projects to replace buses.</i>																				
KC12. Rural Transportation Program	OPR	2,000	1,000	1,000	2,100	1,050	1,050	2,164	1,082	1,082	2,230	1,115	1,115	2,298	1,149	1,149	2,368	1,184	1,184	FTA SECTION 5311(b)(3)
<i>Estimated Total Project Cost - \$13,160,000- -- Planning, capital, operating, job access and reverse commute projects, and the acquisition of public transportation services.</i>																				
<b>KAUAI : COUNTY OF KAUAI - FTA TOTAL</b>		<b>2,520</b>	<b>1,415</b>	<b>1,105</b>	<b>2,637</b>	<b>1,478</b>	<b>1,159</b>	<b>3,443</b>	<b>2,103</b>	<b>1,340</b>	<b>2,802</b>	<b>1,570</b>	<b>1,232</b>	<b>2,888</b>	<b>1,618</b>	<b>1,270</b>	<b>2,977</b>	<b>1,668</b>	<b>1,309</b>	

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<b>FHWA FUNDING CATEGORY SUMMARY - KAUAI</b>																				
NHPP (National Highway Performance Program)			0		5,528		0		16,852		1,020		11,348							
BRIDGE OFF-SYSTEM			0		0		0		0		0		0							
STP ENHANCEMENT/TAP			0		2,250		0		1,409		6,016		12,309							
STP FLEXIBLE			9,980		5,736		19,679		8,888		56,878		11,364							
SECTION 1404 - (Safe Routes to School)			0		0		0		0		0		0							
HSIP (Highway Safety Improvement Program)			0		96		1,120		0		0		0							
NATIONAL RECREATIONAL TRAILS			251		251		251		251		251		251							
CMAQ (Congestion Mitigation Air Quality)			0		0		0		0		0		0							
FTA TRANSFER FUNDS			0		0		0		0		0		0							
EQUITY BONUS			0		0		0		0		0		0							
EARMARK - HIGH PRIORITY			0		0		0		0		0		0							
EARMARK - RE-PURPOSED EARMARKS			0		0		0		2,100		0		0							
EARMARK - SECTION 112			0		0		0		0		0		0							
EARMARK - SECTION 115			0		0		0		0		0		0							
EARMARK - SECTION 117			0		0		0		0		0		0							
FLHD (Federal Lands Highway Discretionary)			0		0		0		0		0		0							
NRCS (National Resources Conservation Service)			0		0		0		0		0		0							
DISCRETIONARY (TIGER 2015)			0		953		12,862		0		0		0							
HIGHWAYS FOR LIFE			0		0		0		0		0		0							
IMD (NHPP Discretionary)			0		0		0		0		0		0							
FERRY BOAT DISCRETIONARY / ARRA FBD			0		0		0		0		0		0							
	SUBTOTAL		10,231		14,814		33,912		29,500		64,165		35,272							
	LESS DISCRETIONARY, DEMO ...ETC. PROJECTS		0		(953)		(12,862)		(2,100)		0		0							
	LESS FTA TRANSFER FUNDS		0		0		0		0		0		0							
REGULAR FORMULA AUTHORITY	TOTAL		10,231		13,861		21,050		27,400		64,165		35,272							

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<b>FTA SUMMARY</b>																				
STATEWIDE		635	580	55	658	600	58	1,240	1,068	172	955	765	190	983	787	196	1,013	811	202	
OAHU, STATE		482	385	97	497	397	100	1,387	1,109	278	810	647	163	836	667	169	863	688	175	
C&C OF HONOLULU		77,125	48,155	28,970	68,163	40,798	27,365	78,280	62,960	15,320	2,561,977	791,757	1,770,220	67,861	31,236	36,625	68,127	31,317	36,810	
COUNTY OF HAWAII		2,520	1,415	1,105	2,637	1,478	1,159	3,193	1,903	1,290	2,802	1,570	1,232	2,888	1,618	1,270	2,977	1,668	1,309	
MAUI, STATE		32,803	11,541	21,262	61,064	32,385	28,679	25,819	4,390	21,429	32,999	5,044	27,955	35,584	12,067	23,517	35,523	17,018	18,505	
COUNTY OF MAUI		2,562	1,749	813	2,656	1,809	847	2,736	1,864	872	4,900	2,961	1,939	2,907	1,980	927	2,995	2,040	955	
COUNTY OF KAUAI		2,520	1,415	1,105	2,637	1,478	1,159	3,443	2,103	1,340	2,802	1,570	1,232	2,888	1,618	1,270	2,977	1,668	1,309	
<b>FTA TOTAL</b>		<b>118,647</b>	<b>65,240</b>	<b>53,407</b>	<b>138,312</b>	<b>78,945</b>	<b>59,367</b>	<b>116,098</b>	<b>75,397</b>	<b>40,701</b>	<b>2,607,245</b>	<b>804,314</b>	<b>1,802,931</b>	<b>113,947</b>	<b>49,973</b>	<b>63,974</b>	<b>114,475</b>	<b>55,210</b>	<b>59,265</b>	

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<b>FHWA SUMMARY</b>																				
STATEWIDE		37,705	6,693	31,012	36,045	5,625	30,420	60,486	11,226	49,260	45,970	23,150	22,820	51,090	29,632	21,458	50,580	21,190	29,390	
Oahu - State		158,769	89,719	69,050	100,095	68,760	31,335	283,796	90,884	192,912	144,891	82,512	62,379	175,889	162,448	13,441	148,785	134,530	14,255	
City and County of Honolulu		29,508	17,000	12,508	29,153	19,239	9,914	11,479	6,593	4,886	51,630	18,254	33,376	52,958	18,128	34,830	13,277	9,593	3,684	
ISLAND OF OAHU		188,277	106,719	81,558	129,248	87,999	41,249	295,275	97,477	197,798	196,521	100,766	95,755	228,847	180,576	48,271	162,062	144,123	17,939	
Hawaii - State		66,236	48,828	17,408	28,740	9,844	18,896	38,886	18,182	20,704	104,692	3,993	100,699	41,174	60,939	(19,765)	35,634	40,667	(5,033)	
County of Hawaii		900	720	180	18,300	11,264	7,036	14,680	11,640	3,040	12,820	10,016	2,804	14,800	14,637	163	22,900	14,080	8,820	
ISLAND OF HAWAII		67,136	49,548	17,588	47,040	21,108	25,932	53,566	29,822	23,744	117,512	14,009	103,503	55,974	75,576	(19,602)	58,534	54,747	3,787	
Maui - State		32,803	11,541	21,262	61,064	32,385	28,679	25,819	4,390	21,429	32,999	5,044	27,955	35,584	12,067	23,517	35,523	17,018	18,505	
County of Maui		10,960	6,773	4,187	11,425	6,720	4,705	19,700	12,640	7,060	13,193	9,469	3,724	56,186	42,034	14,152	32,504	24,531	7,973	
ISLAND OF MAUI		43,763	18,314	25,449	72,489	39,105	33,384	45,519	17,030	28,489	46,192	14,513	31,679	91,770	54,101	37,669	68,027	41,549	26,478	
Kauai - State		18,006	5,091	12,915	26,489	11,511	14,978	43,514	18,451	25,063	49,954	20,923	29,031	73,069	42,215	30,854	16,499	19,599	(3,100)	
County of Kauai		6,425	5,140	1,285	3,466	3,303	163	18,473	15,461	3,012	10,369	8,577	1,792	25,434	21,950	3,484	16,514	15,673	841	
ISLAND OF KAUAI		24,431	10,231	14,200	29,955	14,814	15,141	61,987	33,912	28,075	60,323	29,500	30,823	98,503	64,165	34,338	33,013	35,272	(2,259)	
<b>FHWA TOTAL</b>		<b>361,312</b>	<b>191,505</b>	<b>169,807</b>	<b>314,777</b>	<b>168,651</b>	<b>146,126</b>	<b>516,833</b>	<b>189,467</b>	<b>327,366</b>	<b>466,518</b>	<b>181,938</b>	<b>284,580</b>	<b>526,184</b>	<b>404,050</b>	<b>122,134</b>	<b>372,216</b>	<b>296,881</b>	<b>75,335</b>	

**DEPARTMENT OF TRANSPORTATION**  
**STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM**  
**FFY 2015 THRU FFY 2018 (FFY 2019-2020 Informative Only) Revision #13 PROCESSED (Administrative Modification)**  
**Revision Effective Date: December 18, 2017**

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	FFY2015 (Oct 1, 14 - Sep 30, 15)			FFY2016 (Oct 1, 15 - Sep 30, 16)			FFY2017 (Oct 1, 16 - Sep 30, 17)			FFY2018 (Oct 1, 17 - Sep 30, 18)			FFY2019 (Oct 1, 18 - Sep 30, 19)			FFY2020 (Oct 1, 19 - Sep 30, 20)			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)	
<b>FHWA FUNDING CATEGORY SUMMARY - ENTIRE STIP</b>																				
NHPP (National Highway Performance Program)			99,005		98,941		67,737		93,371		198,473		177,110							
BRIDGE OFF-SYSTEM			720		720		0		720		800		800							
STP ENHANCEMENT/TAP			2,872		4,549		3,049		4,729		19,439		19,645							
STP FLEXIBLE			80,481		53,103		76,934		67,770		169,932		85,714							
SECTION 1404 - (Safe Routes to School)			200		1,500		1,250		550		355		385							
HSIP (Highway Safety Improvement Program)			2,466		7,424		16,514		10,437		12,790		11,566							
NATIONAL RECREATIONAL TRAILS			1,196		1,196		1,196		1,196		1,196		1,196							
CMAQ (Congestion Mitigation Air Quality)			0		0		0		0		0		0							
FTA TRANSFER FUNDS			0		0		0		0		0		0							
EQUITY BONUS			0		0		0		0		0		0							
EARMARK - HIGH PRIORITY			0		0		0		0		800		200							
EARMARK - RE-PURPOSED EARMARKS			0		0		3,360		2,900		0		0							
STSFA GRANTS			0		0		4,000		0		0		0							
EARMARK - SECTION 115			0		0		0		0		0		0							
EARMARK - SECTION 117			0		0		0		0		0		0							
FLHD (Federal Lands Highway Discretionary)			265		265		265		265		265		265							
NRCS (National Resources Conservation Service)			0		0		0		0		0		0							
DISCRETIONARY (TIGER 2015)			0		953		12,862		0		0		0							
HIGHWAYS FOR LIFE			0		0		0		0		0		0							
IMD (NHPP Discretionary)			4,300		0		2,300		0		0		0							
FERRY BOAT DISCRETIONARY / ARRA FBD			0		0		0		0		0		0							
SUBTOTAL			191,505		168,651		189,467		181,938		404,050		296,881							
LESS DISCRETIONARY, DEMO ...ETC. PROJECTS			(4,565)		(1,218)		(22,787)		(3,165)		(1,065)		(465)							
LESS FTA TRANSFER FUNDS			0		0		0		0		0		0							
REGULAR FORMULA AUTHORITY			TOTAL		186,940		167,433		166,680		178,773		402,985						296,416	