

APPENDIX A: STATUS OF PROJECTS PROGRAMMED IN FY 2006

STATUS OF PREVIOUSLY PROGRAMMED TIP PROJECTS							
Project	Phase	Programmed in FY 2006 as of TIP Amendment #8			Funding Category	Amount Obligated (X\$1000)	Project Status
		Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)			
STATE OF HAWAII PROJECTS							
FEDERAL HIGHWAY ADMINISTRATION – FUNDED PROJECTS							
S74	Castle Hills Access Road Drainage Improvements <i>The project consists of the acquisition of a total of ten (10) private properties located within the Castle Hills and Kahaelani subdivisions; and the construction of a reinforced concrete drop structure, maintenance access road, chain link fence, and certain drainage improvements – including installation of Best Management Practices (BMPs), erosion control measures, and a detention basin, along a portion of Kapunahala Stream in the vicinity of Pookela Street, Kupohu Street, and Pilina Place in Kaneohe, Hawaii.</i>					0	Project deferred. Design and ROW acquisition still ongoing.
	ROW	7,900	0	7,900	Local		
	DES	200	0	200	Local		
	CON	4,000	4,000	0	Section 115		
S8	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway <i>Assist the State with managing and guiding the ITS program. Will include software development, equipment procurement assistance, acceptance testing, performance monitoring, and strategic planning. The project consists of installation of CCTV cameras, vehicle detectors, cabinets, and communication equipment. Minor interior modifications of the H-3 Control Center will be done to accommodate system improvements.</i>					1,600 1,543	Obligated.
	DES	2,000	1,600	400	Interstate Maintenance		
Phase 1A	CON	2,000	1,600	400	Interstate Maintenance		
S63	Interstate Route H-1, Addition and Modification of Freeway Access, Makalilo IC to Palailai IC (Kapolei IC Complex) <i>Improve/modify freeway access to Interstate Route H-1 between Makakilo Interchange and Palailai Interchange (Kapolei Interchange Complex).</i>					Not applicable; this phase is locally funded.	Estimated completion of design phase in early 2007.
	DES	2,400	0	2,400	Local		
S64	Interstate Route H-1, Concrete Pavement Preservation Dowel Retrofit, MP 2.4-3.2 (Palailai) & MP 25-36.4 (Kaimuki) <i>Concrete pavement preservation and dowel retrofit to extend the life of the roadway.</i>					3,391	Obligated.
	CON	3,500	3,150	350	Interstate Maintenance		
S11	Interstate Route H-1, Deck Repair Airport Viaduct, MP 15.73 to MP 18.52 <i>Repair Airport Viaduct from Valkenburg Street to Keehi Interchange.</i>					7,602 1,519	Obligated.
	CON	1,730	1,557	173	Interstate Maintenance		
	CON	4,770	3,816	954	Earmark High Priority		
S66	Interstate Route H-1, Guardrail and Shoulder Improvements, Waikele Bridge to Airport IC <i>Improve guardrail and shoulders from Waikele Bridge to Airport Interchange.</i>					6,122 200	Obligated.
	CON	4,700	4,230	470	Interstate Maintenance		
	CON	3,800	3,040	760	Earmark High Priority		

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S73	Interstate Route H-1, Kinau Off-Ramp Improvements, Near Queens Medical Center <i>The project will construct a right-turn lane from the Kinau Off-Ramp to provide a direct access to Lusitana Street. The design includes the addition of an 11-ft wide, 200-foot long deceleration lane.</i>						1,723	Obligated.
	CON	3,000	1,725	1,275	TCSP local match: Queen's Medical Center			
S67	Interstate Route H-1, Pavement Preventative Maintenance Waialeale Stream Bridge to Waipahu Street <i>Maintenance level improvements to travelway to extend the life of the roadway and prevent the need for full reconstruction in the near future.</i>						0	Project deferred. Project development for 2006 funding was somewhat in doubt. Project was deferred/shelved, so other projects further ahead in project development could be funded.
	CON	4,500	4,050	450	Interstate Maintenance			
S17	Interstate Route H-1, Seismic Retrofit, Lunalilo-Vineyard On-Ramp <i>Seismic retrofit existing 1,202-foot long bridge to meet current State seismic criteria.</i>						495	Obligated.
	CON	740	592	148	Bridge On-System			
S19	Interstate Route H-1 and H-2, Destination Sign Upgrade/Replacement <i>Replacing and/or upgrading the existing destination signs and sign support structure on Interstate Routes H-1 and H-2. This project is deemed necessary to qualify for Federal-Aid financing and/or reimbursement.</i>						0	Project not needed. An existing operations and maintenance contract will take care of these needs.
	DES	400	360	40	National Highway System			
S68	Interstate Route H-3, Pavement Preventative Maintenance Halekou IC to Kaneohe MCBH MP 10.75 to MP 15.31 <i>Maintenance level improvements to travelway to extend the life of the roadway and prevent the need for full reconstruction in the near future.</i>						4,665	Obligated.
	CON	5,000	4,500	500	Interstate Maintenance			
S24	James Campbell National Wildlife Refuge Improvements (managed by FWS) <i>To be administered by the U.S. Fish and Wildlife Service.</i>						0	Administered by the U.S. Fish & Wildlife Service.
	CON	360	360	0	Public Lands Discretionary			
	DES	30	30	0	Public Lands Discretionary			
S69	Kalaniana'ole Highway Intersection Improvements at Hanauma Bay <i>Construct left-turn lane into Hanauma Bay.</i>						1,044	Obligated.
	CON	2,000	1,600	400	STP Flexible			

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		Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)				
S29	Kalaniana'ole Highway Improvements, Retaining Wall at Makapuu <i>The scope of work will consist of constructing and/or repairing a retaining wall along Kalaniana'ole Highway in the vicinity of Makapuu Point, including subsurface investigation and slope protection. This project is deemed necessary to qualify for Federal-Aid financing and/or reimbursement.</i>						0	Project deferred. Conservation Use Permit has not been obtained yet. This leaves the environmental requirements incomplete.
	CON	9,900	7,920	1,980	National Highway System			
S30	Kamehameha Highway, Bridge Replacement Kaipapau Stream Bridge <i>Replacement of Kaipapau Stream Bridge. This project is deemed necessary to qualify for Federal-Aid financing and/or reimbursement.</i>						0	Not needed. Preliminary ROW funds were already obligated in 2002.
	ROW	100	80	20	Bridge On-System			
S34	Kamehameha Highway, Bridge Replacement South Kahana Stream Bridge <i>Replacement of South Kahana Stream Bridge. This project is deemed necessary to qualify for Federal-Aid financing and/or reimbursement.</i>						0	Project deferred. Environmental Assessment not ready.
	ROW	900	720	180	Bridge On-System			
S39	Kamehameha Highway, In-Bound Cane Haul Road Structure Replacement, Vicinity of Waipahu <i>Replacement of the in-bound Cane Haul Road structure. This project is deemed necessary to qualify for Federal-Aid financing and/or reimbursement.</i>						0	Project deferred. ROW maps not ready.
	ROW	500	400	100	Bridge On-System			
S41	Kamehameha Highway, Out-Bound Cane Haul Road Structure Replacement, Vicinity of Waipahu <i>Replacement of the out-bound Cane Haul Road structure. This project is deemed necessary to qualify for Federal-Aid financing and/or reimbursement.</i>						0	Project deferred. ROW maps not ready.
	ROW	500	400	100	Bridge On-System			
S47	Kamehameha Highway Resurfacing, Interstate Route H-2 to Waihau Street <i>Resurface existing roadway.</i>						9,420	Obligated.
	CON	12,000	9,600	2,400	National Highway System			
S58	North/South Road, Vicinity of Farrington Highway to Interstate Route H-1, Phase IB <i>Construct North/South Road from Farrington Highway to vicinity of the H-1 Freeway. Improvements include a multi-lane highway and an interchange at the H-1 Freeway. This project is deemed necessary to qualify for Federal-Aid financing and/or reimbursement.</i>						6,068	Obligated.
	Phase 1B	ROW	7,800	6,240	1,560	CMAQ		

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		Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)				
S61	Vanpool Program, Oahu <i>Encourage ridesharing during the peak commuting hours to reduce congestion by providing qualified users with a State-subsidized van.</i>							
		OPR	800	800		1,753	Obligated.	
		OPR	1,122	1,122	CMAQ FHWA Fund transfer from FTA §5307	1,087		
FHWA TOTAL (State Projects)		86,652	63,492	23,160		48,232		
FEDERAL TRANSIT ADMINISTRATION (FTA)-FUNDED PROJECTS								
S62	Elderly & Persons with Disabilities Program Vehicle Acquisition for Urban Areas <i>The FTA Section 5310 program provides assistance for the purpose of providing transportation services in meeting the special needs of elderly and disabled persons where mass transportation services are unavailable, insufficient, or inappropriate.</i>							
		EQP	220	176	44	FTA §5310	176	Obligated.
	FTA TOTAL (State Projects)		220	176	44		176	
CITY AND COUNTY OF HONOLULU PROJECTS								
FHWA-FUNDED PROJECTS								
C2	Bridge Inspection and Appraisal <i>Inventory, inspect, and appraise City bridges, including underwater inspections, scour analyses, surveys, and preparation of plans for bridge repairs.</i>							
		DES	350	280	70	Bridge Off-System	240	Programming of funds completed on 7/10/06. BR-NBIS(36)
C25	Computerized Traffic Control System Phase 9 <i>Upgrade and expand fiber optic lines, CCTV cameras, data collection, and signal control in urban center and outlying areas for connectivity to the Traffic Control Center.</i>							
	Phase 9	CON	2,000	1,600	400	STP Flexible	1,900	(100% federal) Programming of funds completed on 9/26/06. STP-0001(30)
C26	Computerized Traffic Control System Phase 10 <i>Upgrade and expand fiber optic lines, CCTV cameras, data collection, and signal control in urban center and outlying areas for connectivity to the Traffic Control Center.</i>							
	Phase 10	DES	300	240	60	STP Flexible	240	(100% federal) Programming of funds completed on 9/11/06. STP-0001(33)
C4	Hihimanu Street Sidewalk Improvements <i>Construct a 3,000-foot long sidewalk on the shoulder of Hihimanu Street from Kakaina Street to Waimanalo District Park.</i>							
		CON	1,300	1,300	0	Public Lands Discretionary	1,300	Programming of funds completed on 9/11/06. FLH-0300(90)
C5	Honolulu Traffic Control Center Operations <i>Operate and maintain the Traffic Control Center, including labor, utilities, equipment, management, and administrative costs.</i>							
		OPER	980	784	196	CMAQ	0	Programming of funds have not been submitted to the State. Project deferred.

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C7	Kapolei Parkway <i>Design and construct Kapolei Parkway in two phases between Renton Road and the City/State property line at the western boundary of Ewa Villages (0.7 miles). Design funds for Hawaii's DOT review services.</i>					24 16,000	DES-Programming of funds completed on 8/7/06. CON-Programming of funds completed on 9/18/06. STP-8920(1)	
		DES CON	30 32,600	24 17,900	6 14,700			STP Flexible STP Flexible
C9	Makakilo Drive Extension <i>Plan roadway extension alternatives, recommend preferred alternative, prepare State/Federally compliant environmental assessment based on preferred alternative.</i>					400	Programming of funds completed on 9/11/06. STP-8810(1)	
		PLN	800	300	500			STP Flexible
C10	Seismic Bridge Retrofit. <i>Conduct site inspections, conduct seismic evaluations, identify alternative schemes for seismic retrofit, prepare plans and specifications for construction incorporating the retrofit.</i>					Not applicable; these phases are locally funded.	Not applicable.	
		DES CON	290 133	0 0	290 133			Local Local
C11	Traffic Signal Maintenance Facility <i>Design, construct, and equip a new traffic signal operating and maintenance facility.</i>					40	Programming of funds completed on 9/11/06. STP-0001(34)	
		PLN	50	40	10			STP Flexible
C32	Traffic Signals at Various Intersections Phase 8 <i>Install and upgrade traffic signals island-wide, including ADA improvements, signs and markings, and interties. Project work is warranted by the MUTCD and selected annually.</i>					(100% federal) 956	Programming of funds completed on 9/26/06. STP-0001(29)	
	Phase 8	CON	2,000	1,600	400			STP Flexible
C33	Traffic Signals at Various Intersections Phase 9 <i>Install and upgrade traffic signals island-wide, including ADA improvements, signs and markings, and interties. Project work is warranted by the MUTCD and selected annually.</i>					(100% federal) 200	Programming of funds completed on 9/11/06. STP-0001(32)	
	Phase 9	DES	250	200	50			STP Flexible
FHWA TOTAL (City Projects)		41,083	24,268	16,815		21,300		
FTA-FUNDED PROJECTS								
C15	Bus & Handi-Van Acquisition Program <i>Purchase replacement buses for fixed route and paratransit services: FY 2006: 9 60' buses & 20 <30' buses FY 2007: 19 60' buses & 20 < 30' buses; FY 2008: 25 40' buses & 12 <30' buses</i>					513 2,400 3,040	*Grant HI030040 executed on 9/13/08. **Grants HI030041 & HI050200 executed on 8/24/06. ***Grant HI030042 executed on 9/14/06.	
		EQUIP	600	480	120			FTA §5309 Bus Capital*
		EQUIP	3,000	2,400	600			FTA §5309 Fixed Guideway Modernization**
	EQUIP	3,800	3,040	760	FTA §5309 New Starts***	3,040		

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C18	Oahu Intra-Island Ferry <i>Conduct an operational demonstration project from Kalaeloa to Honolulu Harbor. Type and location of landside improvements will be identified during the demonstration; design and construction will commence after environmental clearance is received.</i>					Not applicable; this phase is locally funded.	Continued procurement of demonstration contractor.
	PLN	200	0	200	Local		
C19	Preventive Maintenance <i>Federal capital assistance for TheBus and TheHandi-Van maintenance costs.</i>					18,117 3,140	*Grant HI90X024 executed on 8/3/06. **Grant HI040001 executed on 9/19/06.
	OPER	23,325	18,660	4,665	FTA §5307*		
C20	Transfer to FHWA for Vanpool <i>FTA Section 5307 funds to be transferred to FHWA for Hawaii DOT's Vanpool program.</i>					Not applicable; see Project #S61	\$1,164,176 transfer amount approved by FTA on 6/14/06.
	OPER	1,122	1,122	0	FTA §5307		
C21	Transit Radio Replacement Phase III <i>Install automated vehicle location and computer-aided dispatch components to the paratransit radio communications system.</i>					1,040	Grant HI90X024 executed on 8/3/06.
	DES	250	0	250	Local		
	EQUIP	1,300	1,040	260	FTA §5307		
C22	Transit Related Safety and Security Projects <i>Capital projects at various locations to improve security/safety at bus stops, park-and-ride lots, and bus facilities.</i>					40	Grant HI90X024 executed on 8/3/06.
	EQUIP	50	40	10	FTA §5307		
C23	Wahiawa Transit Center <i>Construct a transit center and parking structure on a parcel bordering Center Street and California Avenue.</i>					2,429	Grant HI030040 executed on 9/13/06.
	DES	500	0	500	Local		
	CON	6,306	2,429	3,877	FTA §5309 Bus Capital		
FTA TOTAL (City Projects)		44,428	32,351	12,077		30,719	

APPENDIX B: CAC TIP PROJECT RECOMMENDATIONS

RECOMMENDATIONS
TO THE
FISCAL YEARS 2008-2011
TRANSPORTATION IMPROVEMENT PROGRAM

Presented by:
Oahu Metropolitan Planning Organization
Citizen Advisory Committee
Fiscal Years 2008-2011
Transportation Improvement Program

September 19, 2006

Background

In June 2006, the Oahu Metropolitan Planning Organization (OMPO) Citizen Advisory Committee (CAC) formed a CAC Transportation Improvement Program (TIP) Subcommittee. The purpose of the subcommittee was to screen nominated projects and provide an initial listing of qualified projects to the CAC for its consideration and recommendation to the Policy Committee for inclusion in the Fiscal Years (FYs) 2008-2011 TIP. The subcommittee met five times in June 2006, establishing criteria and evaluating the projects. A summary of the subcommittee process and recommendations follows. The attachment is a matrix of projects with a description of each project proposed for the FYs 2008-2011 TIP.

The subcommittee members included:

Charles Carole, Chair	Neighborhood Board #10 Makiki-Lower Punchbowl-Tantalus
Sherman Wong	Castle and Cooke Homes Hawaii, Inc
Scott Snider	Hawaii Bicycling League
Chad Taniguchi	Hawaii Bicycling League
CC Curry	Interagency Coordination Councils Organization
Lester Fukuda	Neighborhood Board #03 Waialae-Kahala
Thomas Maus	Neighborhood Board #22 Waipahu
L. Gary Bautista	Neighborhood Board #23 Ewa
Rich Hargrave	Neighborhood Board #23 Ewa
Michael Golojuch	Neighborhood Board #34 Makakilo-Kapolei-Honokai Hale
Gil Riviere	North Shore Chamber of Commerce
Richard Kane	The Pacific Resource Partnership
Glenn Oamilda	

Screening Criteria

The subcommittee established criteria for project selection that included:

1. Especially worthy of inclusion into the next TIP.
 - Projects that reduce or eliminate threats to life/health/safety
 - Projects that improve connectivity
 - Projects that provide congestion relief or second access
 - Geographic equity
2. Worthy of inclusion into the next TIP, but not yet ready-to-go.

Project Screening Process

The Subcommittee looked at the projects in the *Oahu Regional Transportation Plan 2030* (ORTP 2030) and the projects that were scheduled for FY 2008 and beyond in the FY 2006-2008 TIP. In addition, members were asked for projects they felt were important to their communities. The

list of proposed projects was screened to consolidate duplicate submittals of the same project. The consolidated projects listing was then discussed and evaluated using the above-listed criteria; a draft list of projects for recommendation was developed.

Recommendations

The Subcommittee recommendations fall into two categories (described below). The subcommittee recommends that the following projects be submitted to the Policy Committee and implementing agencies for inclusion in the FYs 2008-2011 TIP. The matrices in Appendix A provide additional information.

Category #1

The TIP Subcommittee felt that it was important that these projects be included in the FYs 2008-2011 TIP:

CAC TIP RECOMMENDATIONS

- B1¹ Ala Moana Boulevard Bike Lane
- C1 Alapai Transit Center & Joint Transportation Management Center
- 18 Bike Plan Hawaii – Oahu (Bike Plan Hawaii includes only “Priority One” projects listed in the Honolulu Bicycle Master Plan)
- C2 Bridge Inspection and Appraisal
- C15 Bus & Handi-Van Acquisition Program
- 456 Enhancement Projects
- S1 Farrington Highway, Bridge Rehabilitation Kaupuni Stream Bridge
- 60,61 Farrington Highway, Safety Improvements, Makua Valley Road to Aliinui Drive
- 62,67 Farrington Highway, Widening, Fort Barrette Road to west of Fort Weaver Road
- 6 Ferry, Intra-Island Express Commuter, in the vicinity of Ocean Pointe Marina to Honolulu Harbor
- S7 Fort Barrette Road Widening, Farrington Highway to Barber’s Point Gate
- S9 Freeway Service Patrol at Various Locations
- High-Capacity Transit Corridor Kapolei to Manoa/Waikiki
- 81,93 Intelligent Transportation Systems (ITS)
- S20 Interstate Route H-1 Waiawa Interchange Westbound, Additional Westbound Lane
- S18 Interstate Route H-1 Widening Eastbound, Waiiau Interchange to Halawa Interchange
- 134, 143 Interstate Route H-1 Zipper Lane (PM), Keehi Interchange to Kunia Interchange
- S15 Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 1
- S15 Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 2
- S16 Interstate Route H-1, Seismic Retrofit Farrington Highway, Makakilo Separation and Military Road Overpass

¹ The numbers in this column reference projects in the Oahu Regional Transportation Plan 2030 (without a alpha prefix), the FY 2006-2008 TIP (with “C” and “S” prefixes), and the Hawaii Bicycle Plan (with “B” prefix)

CAC TIP RECOMMENDATIONS

- S21 Interstate Route H-1, Waiawa Interchange Westbound, Waipahu Off-Ramp Improvements
- 105, 114, Interstate Route H-1, Widening, Middle Street to Vineyard Boulevard
- 135, 174 Interstate Route H-1, Widening, Waipahu Off-Ramp
- B1 Stripe Bike Lane at Interstate Route H-2, Mililani Interchange at Meheula Parkway
- 179 Interstate Routes H-1 & H-2, Operational Improvements, Waiawa Interchange
- 193 Kalia Highway, Safety & Operational Improvements, Olomana Golf Course to Waimanalo Beach Park
- S30 Kamehameha Highway, Kaipapau Stream Bridge Rehabilitation
- S32 Kamehameha Highway, Kawela Stream Bridge Replacement
- S42 Kamehameha Highway, Rehabilitation of Makaua Stream Bridge
- S45 Kamehameha Highway, Rehabilitation of Waikane Stream Bridge
- S72 Kamehameha Highway, Rockfall Protection at Waimea Bay MP 5.4 to 5.52
- 254 Kamehameha Highway, Widening, Kahuhipa Street to Pali Highway
- 219 Kamehameha Highway, Widening, Lanikuhana Avenue to Ka Uka Boulevard
- C7 Kapolei Parkway
- B2 Kipapa Gulch Bikeway
- S52 Leeward Bikeway, Phase I, Waipio Point Access Road
- 39, 282 Makakilo Drive, Second Access, Makakilo Drive to North-South Road/Interstate Route H-1 Interchange
- B3 Meheula Parkway – Restripe for bike lane
- S57 Nimitz Highway, Intersection Improvements at Valkenburg Street
- B4 Nimitz Highway Bike Lane, Middle Street to Waiakamilo
- 307 North-South Road, Widening & Extension, Interstate Route H-1 to Franklin D. Roosevelt Avenue
- B5 Old Pali Road Bike Lane
- 43,44 Pali Highway, Nuuanu Avenue to Waokanaka Street
- C10 Seismic Bridge Retrofit at various locations
- 603 System Preservation
- 444B TheBus Service, Expansion, Islandwide
- 454 TheBus Service, Expansion, Ewa, Kapolei, & Central Oahu
- 444A TheBus Service, Expansion, North Shore, Waianae, & Windward Oahu
- 508 Transit Centers, Various Locations
- C22 Transit Related Safety and Security Projects
- 20 Transportation Demand Management (TDM) Program

In addition, the Subcommittee felt that the following projects should be modified and included in the FYs 2008-2011 TIP.

- 21,22 Van Pool Program
 - Modify to include access for the elderly and disabled
- S50 Kamehameha Highway, Shoreline Protection, Vicinity of Kawaioloa Beach
- S42 Kamehameha Highway, Rehabilitation of Kawaioloa Stream Bridge
 - Combine the two projects above (S42 and S50) into a project that would realign Kamehameha Highway mauka at Laniakea Beach.

Category #2

These projects were submitted by the TIP Subcommittee and meet all of the screening criteria, with the exception of being “ready-to-go” within the FYs 2008-2011 period. These projects are recommended for inclusion in the TIP for the planning phase only.

- Kunia Road, Widening and Interchange Improvement, Wilikina Drive to Farrington Highway
- Waianae Mauka Road, Second Access, Waianae to Kapolei Parkway
- Waianae Second Access Road Farrington Highway to Kunia Road

**CAC Recommendations
Appendix A:**

Projects with Descriptions

(CAC Projects Proposed for Inclusion in the Fiscal Years 2008-2011 Transportation Improvement Program)

CAC TIP RECOMMENDATIONS				
PROJ. #	Facility/ Project Title	Project Description	Project Type	DISTRICT
B1	Ala Moana Boulevard Bike Lane	Connect Kalakaua to Nimitz Highway	Connectivity	Honolulu
C1	Alapai Transit Center and Joint Traffic Management Center	Plan, design, and construct a transit center and joint traffic management center at existing Alapai Express Bus Terminal. The traffic management center building will also provide space for the Honolulu Police Department, Emergency Management Services’ dispatch center, and the Department of	Islandwide	Islandwide

CAC TIP RECOMMENDATIONS				
PROJ. #	Facility/ Project Title	Project Description	Project Type	DISTRICT
		Transportation Services. Also see C&C Honolulu – FTA #C14		
18	Bike Plan Hawaii – Oahu	Implement Oahu elements of the State of Hawaii’s Bike Plan Hawaii. (Bike Plan Hawaii includes only “Priority One” projects as identified in the Honolulu Bicycle Master Plan).	Islandwide Projects	Islandwide
C2	Bridge Inspection and Appraisal	Inventory, inspect, and appraise City bridges – including underwater inspections, scour analyses, surveys, and preparation of plans for bridge repairs.	O&M	
C15	Bus & Handi-Van Acquisition Program	Purchase replacement buses for fixed route and paratransit services.	Transit	
456	Enhancement Projects	Implement enhancement projects, including, but not limited to, projects from the Transportation Enhancement Program for Oahu. Includes development of a pedestrian plan for Oahu.	Islandwide	Islandwide
S1	Farrington Highway, Bridge Rehabilitation Kaupuni Stream Bridge	Widen existing three-span 149-foot long concrete T-beam bridge by about 18.5 feet and strengthen existing portion to meet current State standards MP 11.28.	Operation & Maintenance	Waianae
60,61	Farrington Highway, Safety Improvements, Makua Valley Road to Aliinui Drive	Construct safety improvements on Farrington Highway along the Waianae Coast, from Makua Valley Road (Kaena Point) to Aliinui Drive (Kahe Point). This project includes realignment around Makaha Beach Park, between Makau Street and Water Street.	Safety & Operational	Waianae
62 67	Farrington Highway, Widening, Fort Barrette Road to west of Fort Weaver Road	Widen Farrington Highway from 2 to 4 lanes, from Fort Barrette Road to west of Fort Weaver Road.	Congestion Relief	Ewa
6	Ferry, Intra-Island Express Commuter, in the vicinity of Ocean Pointe Marina to Honolulu Harbor	Implement intra-island passenger ferry in the vicinity of the Ocean Pointe Marina in Ewa to Honolulu Harbor.	Transit	Ewa
S7	Fort Barrette Road Widening, Farrington Highway to Barber’s Point Gate	Widen existing roadway to four lanes and other improvements – including right and left turning lanes, sidewalk, bikeway, highway lighting, drainage, traffic signals, landscaping, and other improvements.	Congestion Relief	Ewa
S9	Freeway Service Patrol at Various Locations	This program will operate roving service patrols. Services to include towing of disabled vehicles; removing debris; providing basic fire extinguisher use; deploying traffic control devices; assisting HPD, HFD, and EMS at crash scenes and other incidents; assisting sick or injured motorists with basic first aid; and notifying 911 of incidents.	Islandwide	Islandwide
	High-Capacity Transit Corridor Kapolei to Manoa/ Waikiki	To be decided by the City Council in November.	Transit	Ewa Central Honolulu

CAC TIP RECOMMENDATIONS				
PROJ. #	Facility/ Project Title	Project Description	Project Type	DISTRICT
81 93	Intelligent Transportation Systems (ITS)	Implement ITS projects including, but not limited to, those identified in the Oahu Regional ITS Architecture.	Islandwide Projects	Islandwide
S20	Interstate Route H-1 Waiawa Interchange Westbound, Additional Westbound Lane	Design an additional H-1 west-bound lane through Waiawa Interchange.	Congestion Relief	Central
S18	Interstate Route H-1 Widening Eastbound, Waiawa Interchange to Halawa Interchange	Widen H-1 Freeway to six lanes from Waiawa Interchange to Halawa Interchange in the east-bound direction, and restore current freeway lane width and shoulder standards.	Congestion Relief	Central
134 143	Interstate Route H-1 Zipper Lane (PM), Keehi Interchange to Kunia Interchange	Construct a Zipper lane on the Interstate Route H-1, in the westbound direction, from Keehi Interchange to Kunia Interchange. This project would be in use during the PM peak.	Congestion Relief	Honolulu Central Ewa
S15	Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 1	Construction for replacing, repairing, and/or strengthening of the Pearl City and Waimalu Viaducts concrete decks and other structural components. Project will be implemented in 5 phases.	Operation & Maintenance	Honolulu
S15	Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 2	Construction for replacing, repairing, and/or strengthening of the Pearl City and Waimalu Viaducts concrete decks and other structural components. Project will be implemented in 5 phases.	Operation & Maintenance	Honolulu
S16	Interstate Route H-1, Seismic Retrofit Farrington Highway, Makakilo Separation and Military Road Overpass	H-1 Freeway (Route H-1) Farrington Highway Separation, Makakilo Separation and Military Road Overpass Seismic Retrofit. MP 0.49-6.34. Seismic Retrofit existing 332-, 251-, 278- foot long bridges to meet current State seismic criteria.	Operation & Maintenance	Waianae
S21	Interstate Route H-1, Waiawa Interchange Westbound, Waipahu Off-Ramp Improvements	Design to widen the Waipahu off-ramp from one to two lanes.	Congestion Relief	Central
105 114 153	Interstate Route H-1, Widening, Middle Street to Vineyard Boulevard	Widen the Interstate Route H-1 by 1 lane, in the eastbound direction, from Middle Street to Vineyard Boulevard, as identified below: From 2 to 3 lanes from Middle Street to Likelike Highway off-ramp, and from 3 to 4 lanes from Likelike Highway off-ramp to Vineyard Blvd.	Congestion Relief	Honolulu
135 174	Interstate Route H-1, Widening, Waipahu Off-Ramp	Widen the Interstate Route H-1 Waipahu Street off-ramp from 1 to 2 lanes, in the westbound direction, at the Waiawa Interchange.	Congestion Relief	Central
	Interstate Route H-2, Mililani Interchange at Meheula Pkwy	Bike lane striping ("Priority One" project listed in <i>the Honolulu Bicycle Master Plan</i>)	Safety & Operational	Central
179	Interstate Routes H-1 & H-2, Operational Improvements, Waiawa Interchange	Modify the Interstate Routes H-1 and H-2 Waiawa Interchange, to improve merging characteristics through operational improvements (e.g., additional transition lanes).	Congestion Relief	Central

CAC TIP RECOMMENDATIONS				
PROJ. #	Facility/ Project Title	Project Description	Project Type	DISTRICT
193	Kalaniana'ole Highway, Safety & Operational Improvements, Olomana Golf Course to Waimanalo Beach Park	Construct safety and operational improvements along Kalaniana'ole Highway between the Olomana Golf Course and Waimanalo Beach Park. Specific safety and operational improvements include construction of turning lanes, sidewalks, wheelchair ramps, bike paths or bike lanes; traffic signal upgrades; utility relocation; and drainage improvements	Safety & Operational	Koolaupoko
S30	Kamehameha Highway, Kaipapau Stream Bridge Rehabilitation	Replacement of Kaipapau Stream Bridge. This project is deemed necessary to qualify for Federal-Aid financing and/or reimbursement.	Operation & Maintenance	Koolauloa
S32	Kamehameha Highway, Kawela Stream Bridge Replacement	Replacement of Kawela Stream Bridge. This project is deemed necessary to qualify for Federal-Aid financing and/or reimbursement.	Operation & Maintenance	Koolauloa
S44	Kamehameha Highway, Rehabilitation of Makaua Stream Bridge	Kamehameha Highway (Route 83) Makaua Stream Bridge Rehabilitation. MP 27.70. Rehabilitate existing 44-foot long bridge by widening and strengthening to meet current State standards.	Operation & Maintenance	Koolauloa
S45	Kamehameha Highway, Rehabilitation of Waikane Stream Bridge	Kamehameha Highway (Route 83) Waikane Stream Bridge Rehabilitation. MP 33.54. Rehabilitate existing 44-foot long bridge by widening and strengthening to meet current State standards.	Operation & Maintenance	Koolaupoko
S72	Kamehameha Highway, Rockfall Protection at Waimea Bay MP 5.4 to 5.52	Rockfall mitigation measures along Kamehameha Highway at Waimea Bay.	Safety	Koolauloa
254	Kamehameha Highway, Widening, Kahuhipa Street to Pali Highway	Widen Kamehameha Highway, by 1 lane in each direction, from Kahuhipa Street to Pali Highway as follows: <ul style="list-style-type: none"> ● To 8 lanes, Kahuhipa Street to Likelike Highway/Kaneohe Bay Drive ● To 7 lanes (3 southbound lanes and 4 northbound lanes) between Likelike Highway and Pali Highway. 	Congestion Relief	Koolaupoko
219	Kamehameha Highway, Widening, Lanikuhana Avenue to Ka Uka Boulevard	Widen Kamehameha Highway from a 3-lane to a 4-lane divided facility between Lanikuhana Avenue and Ka Uka Boulevard. This project includes shoulders for bicycles and disabled vehicles, bridge crossing replacement, bikeways, etc.	Congestion Relief	Central
C7	Kapolei Parkway	Design and construct Kapolei Parkway in two phases between Renton Road and the City/State property line at the western boundary of Ewa Villages (0.7 miles).	Congestion Relief	Ewa
B2	Kipapa Gulch Bikeway	Bike lane ("Priority One" project listed in the <i>Honolulu Bicycle Master Plan</i>)	Congestion Relief	Central
S52	Leeward Bikeway, Phase I, Waipio Point Access Road	Construct a 10-foot wide shared use facility within the former Oahu Railway and Land Company 40-foot right-of-way.	Islandwide	Ewa
39,282	Makakilo Drive, Second Access, Makakilo Drive to North-South Road/Interstate Route H-1 Interchange	Extend Makakilo Drive (vicinity Pueonani Street) south to the Interstate Route H-1 Freeway Interchange as 4-lane roadway, connecting Makakilo Drive to North-South Road	Second Access	Ewa

CAC TIP RECOMMENDATIONS				
PROJ. #	Facility/ Project Title	Project Description	Project Type	DISTRICT
B3	Meheula Parkway – Restripe for bike lane	Bike lane (“Priority One” project listed in <i>the Honolulu Bicycle Master Plan</i>)	Safety & Operational	Central
S57	Nimitz Highway, Intersection Improvements at Valkenburg Street	Construct safety and operational improvements	Safety	Honolulu
B4	Nimitz Highway, Middle Street to Waiakamilo	Connect the bike lane on Nimitz Highway between Middle Street and Waiakamilo Road Bike lane (“Priority One” project listed in <i>the Honolulu Bicycle Master Plan</i>)	Safety & Operational/ Connectivity	Honolulu
307	North-South Road, Widening & Extension, Interstate Route H-1 to Franklin D. Roosevelt Avenue	Widen and extend North-South Road as follows: From 3 to 6 lanes from Kapolei Parkway to Interstate Route H-1. Extend from Kapolei Parkway to Franklin D. Roosevelt Avenue (6 lanes).	Congestion Relief	Ewa
B5	Old Pali Road Bike Lane	Listed as Priority 2-mid-term project in <i>BikePlan Hawaii</i>	Congestion Relief	Honolulu
B6	Pali Highway, Nuuanu Avenue to Waokanaka Street	Listed as Priority 2-mid-term project in <i>BikePlan Hawaii</i>	Congestion Relief	Honolulu
C10	Seismic Bridge Retrofit	Conduct site inspections, conduct seismic evaluations, identify alternative schemes for seismic retrofit, prepare plans and specifications for construction incorporating the retrofit.	Operation & Maintenance	Islandwide
603	System Preservation	Preserve the highway system through projects including, but not limited to, bridge replacement and seismic retrofit, pavement preventative maintenance, etc.	Operation & Maintenance	Islandwide
454	TheBus Service, Expansion, Ewa, Kapolei, & Central Oahu	Expand the bus service to and within the Ewa, Kapolei, and Central Oahu developing areas.	Transit	Ewa Central
453	TheBus Service, Expansion, Islandwide	Expand the bus service through increase of capacity of the existing system to accommodate population growth.	Transit	Islandwide
444A	TheBus Service, Expansion, North Shore, Waianae, & Windward Oahu	Expand the bus service through increase of Express bus service to the North Shore, Waianae, and Windward Oahu.	Transit	North Shore Koolauloa Koolaupoko
508	Transit Centers, Various Locations	Construct transit centers at various locations islandwide to support the Rail Transit and TheBus systems.	Transit	Islandwide
C22	Transit Related Safety and Security Projects	Capital projects at various locations to improve security/safety at bus stops, park-and-ride lots, and bus facilities.	Transit	Islandwide
20	Transportation Demand Management (TDM) Program	Develop an aggressive TDM program that could include, but is not limited to: 1) Free real-time online carpool matching, 2) Outreach promotion and marketing of alternative transportation, 3) Emergency ride home program, 4) Major special events, 5) Employer-based commuter programs, 6) Emerging and innovative strategies (e.g., car sharing).	Islandwide Projects	Islandwide

ADDENDUM

OMPO Citizen Advisory Committee Member Comments
on the CAC TIP Recommendations
for the FYs 2008, 2009, 2010, and 2011 Transportation Improvement Program

As of September 19, 2006

Public Comment Period: July 19, 2006 – September 19, 2006

CAC TIP RECOMMENDATIONS ADDENDUM			
		PROJECT	COMMENT
1	Listing of Projects	C1 / C14 TIP 501 ORTP	Supports the Alapai Transit Center and Joint Transportation Management Center
		134,143 ORTP	Supports the Interstate Route H-1 Zipper Lane (p.m.), Keehi Interchange to Kunia Interchange
		S21 TIP	Supports the Interstate Route H-1 Waiawa Interchange westbound, Waipahu Off-Ramp Improvements
		135, 174 ORTP	Supports the Interstate Route H-1, Widening, Waipahu Off-Ramp
		179 ORTP	Supports the Interstate Route H-1 and H-2, Operational Improvements, Waiawa Interchange
		307 ORTP	Supports the North-South Road, Widening & Extension, Interstate Route H-1 to Franklin D. Roosevelt Avenue
		454 ORTP	Supports TheBus Service, Expansion, Ewa, Kapolei, & Central Oahu
		431B, 440 ORTP	Supports the High Capacity Transit Corridor, Kapolei to Manoa/Waikiki
		508 ORTP	Supports the Transit Centers, Various Locations
		444A ORTP	Supports TheBus Service, Expansion, North Shore, Waianae, & Windward Oahu
		20 ORTP	Supports the Transportation Demand Management (TDM) Program
		18 ORTP	Supports the Kipapa Gulch Bikeway
		S64 TIP 219 ORTP	Supports the Kamehameha Highway, Widening, Lanikuhana Avenue to Ka Uka Boulevard
		18 ORTP	Supports the <i>Bike Plan Hawaii – Oahu (Bike Plan Hawaii includes only Priority One projects listed in the Honolulu Bicycle Master Plan)</i>
2	Suggested Amendments	62, 64, 65, 67 ORTP	Supports the Farrington Highway, Widening
		C8 TIP	#1) Add City and County's portion of the Kapunahala Stream Control Project sooner to compliment the Hawaii DOT's portion of the project which is already funded by federal dollars.
		New Project	#2) Provide similar quantity parking in a multi-deck parking garage in the same location that was proposed under the Bus Rapid Transit Project on the site that is makai of the City's bus parking and maintenance yard. It is located northeast of the corner of Middle Street and Dillingham Boulevard along Kalihi Stream. This would serve residents from the primary urban center and residents from the windward side of Oahu that will be utilizing the high-speed rapid transit going east or west.
	Suggested Amendments	C8 TIP	Supports moving the Kapunahala Stream Bypass Channel into the FYs 2008-2011 TIP.
4	Suggested Deletion	431B 440 ORTP	Opposes the High Capacity Transit System Waikiki Spur.

APPENDIX C: RESPONSES TO CAC TIP RECOMMENDATIONS

OahuMPO CITIZEN ADVISORY COMMITTEE RECOMMENDATIONS					AGENCY RESPONSES	
PROJ. #	Facility/Project Title	Project Description	Project Type	District	Included in Draft FYs 2008-2011 TIP?	Implementing Agency
CATEGORY #1 – CAC recommended that these projects be included in the TIP.						
B1	Ala Moana Boulevard Bike Lane	Connect Kalakaua to Nimitz Highway	Connectivity	Honolulu	No – The way the project is presently scoped, it is infeasible. It requires too much ROW acquisition.	State
C1	Alapai Transit Center and Joint Traffic Management Center	Plan, design, and construct a transit center and joint traffic management center at existing Alapai Express Bus Terminal. The traffic management center building will also provide space for the Honolulu Police Department, Emergency Management Services' dispatch center, and the Department of Transportation Services. Also see C&C Honolulu – FTA #C14	Islandwide	Islandwide	Yes – C01 and C15	City
18	Bike Plan Hawaii – Oahu	Implement Oahu elements of the State of Hawaii's Bike Plan Hawaii. (Bike Plan Hawaii includes only "Priority One" projects as identified in the Honolulu Bicycle Master Plan).	Islandwide Projects	Islandwide	No – HDOT is awaiting development of a Bicycle Implementation Plan to determine priorities for implementation. The City's bike projects are not considered regionally significant and will be locally funded.	City and State
C2	Bridge Inspection and Appraisal	Inventory, inspect, and appraise City bridges – including underwater inspections, scour analyses, surveys, and preparation of plans for bridge repairs.	O&M		Yes – C02	City
C15	Bus & Handi-Van Acquisition Program	Purchase replacement buses for fixed route and paratransit services.	Transit		Yes – C16	City
456	Enhancement Projects	Implement enhancement projects, including, but not limited to, projects from the Transportation Enhancement Program for Oahu. Includes development of a pedestrian plan for Oahu.	Islandwide	Islandwide	Yes – e.g., S81 and S82	City and State

OahuMPO CITIZEN ADVISORY COMMITTEE RECOMMENDATIONS					AGENCY RESPONSES	
PROJ. #	Facility/Project Title	Project Description	Project Type	District	Included in Draft FYs 2008-2011 TIP?	Implementing Agency
S1	Farrington Highway, Bridge Rehabilitation Kaupuni Stream Bridge	Widen existing three-span 149-foot long concrete T-beam bridge by about 18.5 feet and strengthen existing portion to meet current State standards MP 11.28.	Operation & Maintenance	Waianae	Yes – S03	State
60,61	Farrington Highway, Safety Improvements, Makua Valley Road to Aliinui Drive	Construct safety improvements on Farrington Highway along the Waianae Coast, from Makua Valley Road (Kaena Point) to Aliinui Drive (Kahe Point). This project includes realignment around Makaha Beach Park, between Makau Street and Water Street.	Safety & Operational	Waianae	No – Farrington Highway Safety Improvements, from Nanakuli to Makaha was already obligated in 2002.	State
62 67	Farrington Highway, Widening, Fort Barrette Road to west of Fort Weaver Road	Widen Farrington Highway from 2 to 4 lanes, from Fort Barrette Road to west of Fort Weaver Road.	Congestion Relief	Ewa	The State is responsible from Fort Barrette Road to Golf Course Road; and the City is responsible from Golf Course Road to Fort Weaver Road. The City's efforts to constrain the TIP along with its overall City priorities of projects and available funding necessitated the deferral of this project's inclusion in the proposed TIP.	City and State
6	Ferry, Intra-Island Express Commuter, in the vicinity of Ocean Pointe Marina to Honolulu Harbor	Implement intra-island passenger ferry in the vicinity of the Ocean Pointe Marina in Ewa to Honolulu Harbor.	Transit	Ewa	No – Ocean Pointe Marina is not yet completed. When it becomes available, the City will consider its location.	City
S7	Fort Barrette Road Widening, Farrington Highway to Barber's Point Gate	Widen existing roadway to four lanes and other improvements – including right and left turning lanes, sidewalk, bikeway, highway lighting, drainage, traffic signals, landscaping, and other improvements.	Congestion Relief	Ewa	Yes – S09	State
S9	Freeway Service Patrol at Various Locations	This program will operate roving service patrols. Services to include towing of disabled vehicles; removing debris; providing basic fire extinguisher use; deploying traffic control devices; assisting HPD, HFD, and EMS at crash scenes and other incidents; assisting sick or injured motorists with basic first aid; and notifying 911 of incidents.	Islandwide	Islandwide	Yes – S15	State

OahuMPO CITIZEN ADVISORY COMMITTEE RECOMMENDATIONS					AGENCY RESPONSES	
PROJ. #	Facility/Project Title	Project Description	Project Type	District	Included in Draft FYs 2008-2011 TIP?	Implementing Agency
	High-Capacity Transit Corridor Kapolei to Manoa/Waikiki	To be decided by the City Council in November.	Transit	Ewa Central Honolulu	Yes – C17	City
81 93	Intelligent Transportation Systems (ITS)	Implement ITS projects including, but not limited to, those identified in the Oahu Regional ITS Architecture.	Islandwide Projects	Islandwide	Yes – e.g., S10, C03	City and State
S20	Interstate Route H-1 Waiawa Interchange Westbound, Additional Westbound Lane	Design an additional H-1 west-bound lane through Waiawa Interchange.	Congestion Relief	Central	Yes – S28	State
S18	Interstate Route H-1 Widening Eastbound, Waiawa Interchange to Halawa Interchange	Widen H-1 Freeway to six lanes from Waiawa Interchange to Halawa Interchange in the east-bound direction, and restore current freeway lane width and shoulder standards.	Congestion Relief	Central	Yes – S34	State
134 143	Interstate Route H-1 Zipper Lane (PM), Keehi Interchange to Kunia Interchange	Construct a Zipper lane on the Interstate Route H-1, in the westbound direction, from Keehi Interchange to Kunia Interchange. This project would be in use during the PM peak.	Congestion Relief	Honolulu Central Ewa	Yes – S29	State
S15	Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 1	Construction for replacing, repairing, and/or strengthening of the Pearl City and Waimalu Viaducts concrete decks and other structural components. Project will be implemented in 5 phases.	Operation & Maintenance	Honolulu	Yes – S23	State
S15	Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 2	Construction for replacing, repairing, and/or strengthening of the Pearl City and Waimalu Viaducts concrete decks and other structural components. Project will be implemented in 5 phases.	Operation & Maintenance	Honolulu	Yes – S24	State
S16	Interstate Route H-1, Seismic Retrofit Farrington Highway, Makakilo Separation and Military Road Overpass	H-1 Freeway (Route H-1) Farrington Highway Separation, Makakilo Separation and Military Road Overpass Seismic Retrofit. MP 0.49-6.34. Seismic Retrofit existing 332-, 251-, 278- foot long bridges to meet current State seismic criteria.	Operation & Maintenance	Waianae	Yes – S31	State
S21	Interstate Route H-1, Waiawa Interchange Westbound, Waipahu Off-Ramp Improvements	Design to widen the Waipahu off-ramp from one to two lanes.	Congestion Relief	Central	Yes – S35	State

OahuMPO CITIZEN ADVISORY COMMITTEE RECOMMENDATIONS					AGENCY RESPONSES	
PROJ. #	Facility/Project Title	Project Description	Project Type	District	Included in Draft FYs 2008-2011 TIP?	Implementing Agency
105 114 153	Interstate Route H-1, Widening, Middle Street to Vineyard Boulevard	Widen the Interstate Route H-1 by 1 lane, in the eastbound direction, from Middle Street to Vineyard Boulevard, as identified below: From 2 to 3 lanes from Middle Street to Likelike Highway off-ramp, and from 3 to 4 lanes from Likelike Highway off-ramp to Vineyard Blvd.	Congestion Relief	Honolulu	No – Design evaluation revealed safety concerns over original scope to re-stripe. Planning project needed, but not presently programmed. Working on other priorities.	State
135 174	Interstate Route H-1, Widening, Waipahu Off-Ramp	Widen the Interstate Route H-1 Waipahu Street off-ramp from 1 to 2 lanes, in the westbound direction, at the Waiawa Interchange.	Congestion Relief	Central	Yes – S35	State
	Interstate Route H-2, Mililani Interchange at Meheula Pkwy	Bike lane striping (“Priority One” project listed in the <i>Honolulu Bicycle Master Plan</i>)	Safety & Operational	Central	No – Will need to be prioritized in the Bicycle Implementation Plan.	State
179	Interstate Routes H-1 & H-2, Operational Improvements, Waiawa Interchange	Modify the Interstate Routes H-1 and H-2 Walawa Interchange, to improve merging characteristics through operational improvements (e.g., additional transition lanes).	Congestion Relief	Central	No – Feasibility study determined solution would be costly. Working on other priorities.	State
193	Kalaniana'ole Highway, Safety & Operational Improvements, Olomana Golf Course to Waimanalo Beach Park	Construct safety and operational improvements along Kalaniana'ole Highway between the Olomana Golf Course and Waimanalo Beach Park. Specific safety and operational improvements include construction of turning lanes, sidewalks, wheelchair ramps, bike paths or bike lanes; traffic signal upgrades; utility relocation; and drainage improvements	Safety & Operational	Koolaupoko	Yes – S43, S44, S45, and S46	State
S30	Kamehameha Highway, Kaipapau Stream Bridge Rehabilitation	Replacement of Kaipapau Stream Bridge. This project is deemed necessary to qualify for Federal-Aid financing and/or reimbursement.	Operation & Maintenance	Koolauloa	Yes – S50	State
S32	Kamehameha Highway, Kawela Stream Bridge Replacement	Replacement of Kawela Stream Bridge. This project is deemed necessary to qualify for Federal-Aid financing and/or reimbursement.	Operation & Maintenance	Koolauloa	Yes – S61	State

OahuMPO CITIZEN ADVISORY COMMITTEE RECOMMENDATIONS					AGENCY RESPONSES	
PROJ. #	Facility/Project Title	Project Description	Project Type	District	Included in Draft FYs 2008-2011 TIP?	Implementing Agency
S44	Kamehameha Highway, Rehabilitation of Makaua Stream Bridge	Kamehameha Highway (Route 83) Makaua Stream Bridge Rehabilitation. MP 27.70. Rehabilitate existing 44-foot long bridge by widening and strengthening to meet current State standards.	Operation & Maintenance	Koolauloa	Yes – S53	State
S45	Kamehameha Highway, Rehabilitation of Waikane Stream Bridge	Kamehameha Highway (Route 83) Waikane Stream Bridge Rehabilitation. MP 33.54. Rehabilitate existing 44-foot long bridge by widening and strengthening to meet current State standards.	Operation & Maintenance	Koolaupoko	Yes – S54	State
S72	Kamehameha Highway, Rockfall Protection at Waimea Bay MP 5.4 to 5.52	Rockfall mitigation measures along Kamehameha Highway at Waimea Bay.	Safety	Koolauloa	Yes – S73	State
254	Kamehameha Highway, Widening, Kahuhipa Street to Pali Highway	Widen Kamehameha Highway, by 1 lane in each direction, from Kahuhipa Street to Pali Highway as follows: <ul style="list-style-type: none"> • To 8 lanes, Kahuhipa Street to Likelike Highway/Kaneohe Bay Drive • To 7 lanes (3 southbound lanes and 4 northbound lanes) between Likelike Highway and Pali Highway. 	Congestion Relief	Koolaupoko	No – Working on other priorities.	State
219	Kamehameha Highway, Widening. Lanikuhana Avenue to Ka Uka Boulevard	Widen Kamehameha Highway from a 3-lane to a 4-lane divided facility between Lanikuhana Avenue and Ka Uka Boulevard. This project includes shoulders for bicycles and disabled vehicles, bridge crossing replacement, bikeways, etc.	Congestion Relief	Central	Yes – S80	State
C7	Kapolei Parkway	Design and construct Kapolei Parkway in two phases between Renton Road and the City/State property line at the western boundary of Ewa Villages (0.7 miles).	Congestion Relief	Ewa	No – The project was programmed in the FYs 2006-2008 TIP and is currently underway.	City
B2	Kipapa Gulch Bikeway	Bike lane (“Priority One” project listed in the <i>Honolulu Bicycle Master Plan</i>)	Congestion Relief	Central	No – A lead agency has not been determined.	Undetermined
S52	Leeward Bikeway, Phase I, Waipio Point Access Road	Construct a 10-foot wide shared use facility within the former Oahu Railway and Land Company 40-foot right-of-way.	Islandwide	Ewa	Yes – S81	State

OahuMPO CITIZEN ADVISORY COMMITTEE RECOMMENDATIONS					AGENCY RESPONSES	
PROJ. #	Facility/Project Title	Project Description	Project Type	District	Included in Draft FYs 2008-2011 TIP?	Implementing Agency
39,282	Makakilo Drive, Second Access, Makakilo Drive to North-South Road/Interstate Route H-1 Interchange	Extend Makakilo Drive (vicinity Pueonani Street) south to the Interstate Route H-1 Freeway Interchange as 4-lane roadway, connecting Makakilo Drive to North-South Road	Second Access	Ewa	Yes – C06	City
B3	Meheula Parkway – Restripe for bike lane	Bike lane (“Priority One” project listed in <i>the Honolulu Bicycle Master Plan</i>)	Safety & Operational	Central	No – Not considered a regionally significant project and will be locally funded.	City
S57	Nimitz Highway, Intersection Improvements at Valkenburg Street	Construct safety and operational improvements	Safety	Honolulu	Yes – S89	State
B4	Nimitz Highway, Middle Street to Waiakamilo	Connect the bike lane on Nimitz Highway between Middle Street and Waiakamilo Road Bike lane (“Priority One” project listed in <i>the Honolulu Bicycle Master Plan</i>)	Safety & Operational/Connectivity	Honolulu	No – May be considered as a part of a larger project. Alternative routes are being considered.	State
307	North-South Road, Widening & Extension, Interstate Route H-1 to Franklin D. Roosevelt Avenue	Widen and extend North-South Road as follows: From 3 to 6 lanes from Kapolei Parkway to Interstate Route H-1. Extend from Kapolei Parkway to Franklin D. Roosevelt Avenue (6 lanes).	Congestion Relief	Ewa	Yes – S90 (Kapolei Parkway to Interstate H-1)	State
B5	Old Pali Road Bike Lane	Listed as Priority 2-mid-term project in <i>BikePlan Hawaii</i>	Congestion Relief	Honolulu	No.	State (DLNR)
B6	Pali Highway, Nuuanu Avenue to Waokanaka Street	Listed as Priority 2-mid-term project in <i>BikePlan Hawaii</i>	Congestion Relief	Honolulu	No – Will need to be prioritized in the Bicycle Implementation Plan.	State
C10	Seismic Bridge Retrofit	Conduct site inspections, conduct seismic evaluations, identify alternative schemes for seismic retrofit, prepare plans and specifications for construction incorporating the retrofit.	Operation & Maintenance	Islandwide	Yes – e.g., C08	City and State
603	System Preservation	Preserve the highway system through projects including, but not limited to, bridge replacement and seismic retrofit, pavement preventative maintenance, etc.	Operation & Maintenance	Islandwide	Yes – e.g., S04	City and State
454	TheBus Service, Expansion, Ewa, Kapolei, & Central Oahu	Expand the bus service to and within the Ewa, Kapolei, and Central Oahu developing areas.	Transit	Ewa Central	No – Operating funds are not eligible in the TIP.	City

OahuMPO CITIZEN ADVISORY COMMITTEE RECOMMENDATIONS					AGENCY RESPONSES	
PROJ. #	Facility/Project Title	Project Description	Project Type	District	Included in Draft FYs 2008-2011 TIP?	Implementing Agency
453	TheBus Service, Expansion, Islandwide	Expand the bus service through increase of capacity of the existing system to accommodate population growth.	Transit	Islandwide	No – Operating funds are not eligible in the TIP.	City
444A	TheBus Service, Expansion, North Shore, Waianae, & Windward Oahu	Expand the bus service through increase of Express bus service to the North Shore, Waianae, and Windward Oahu.	Transit	North Shore Koolauloa Koolaupoko	No – Operating funds are not eligible in the TIP.	City
508	Transit Centers, Various Locations	Construct transit centers at various locations islandwide to support the Rail Transit and TheBus systems.	Transit	Islandwide	Yes – C24	City
C22	Transit Related Safety and Security Projects	Capital projects at various locations to improve security/safety at bus stops, park-and-ride lots, and bus facilities.	Transit	Islandwide	Yes – C22	City
20	Transportation Demand Management (TDM) Program	Develop an aggressive TDM program that could include, but is not limited to: 1) Free real-time online carpool matching, 2) Outreach promotion and marketing of alternative transportation, 3) Emergency ride home program, 4) Major special events, 5) Employer-based commuter programs, 6) Emerging and innovative strategies (e.g., car sharing).	Islandwide Projects	Islandwide	Yes – S94 Vanpool Program	City and State
PROJECT MODIFICATIONS – CAC recommended that these projects be modified and included in the TIP.						
21, 22	Van Pool Program	Modify to include access for the elderly and disabled.			Yes – S94 Vanpool does have special accommodations for the disabled that could apply to the elderly as well.	State
S50 & S42	<ul style="list-style-type: none"> • Kamehameha Highway, Shoreline Protection, Vicinity of Kawaioloa Beach • Kamehameha Highway, Rehabilitation of Kawaioloa Stream Bridge 	Combine the two projects into a project that would realign Kamehameha Highway mauka at Laniakea Beach.			Yes – S51 and S76. They can be combined into one contract.	State

OahuMPO CITIZEN ADVISORY COMMITTEE RECOMMENDATIONS					AGENCY RESPONSES	
PROJ. #	Facility/Project Title	Project Description	Project Type	District	Included in Draft FYs 2008-2011 TIP?	Implementing Agency
CATEGORY #2 – CAC recommended that these projects be included in the TIP for the planning phases only.						
	Kunia Road, Widening and Interchange Improvement, Wilikina Drive to Farrington Highway				No – Efforts to proceed with these improvements will be required by developers.	State
	Waianae Mauka Road, Second Access, Waianae to Kapolei Parkway				No – A feasibility study determined a second access for Waianae will be environmentally challenging and very costly.	State
	Waianae Second Access Road, Farrington Highway to Kunia Road				No – A feasibility study determined a second access for Waianae will be environmentally challenging and very costly.	State
ADDENDUM						
	C1 / C14 TIP 501 ORTP	Supports the Alapai Transit Center and Joint Transportation Management Center			Yes – C01 and C15	City
	134,143 ORTP	Supports the Interstate Route H-1 Zipper Lane (p.m.), Keehi Interchange to Kunia Interchange			Yes – S29	State
	S21 TIP	Supports the Interstate Route H-1 Waiawa Interchange westbound, Waipahu Off-Ramp Improvements			Yes – S35	State
	135, 174 ORTP	Supports the Interstate Route H-1, Widening, Waipahu Off-Ramp			Yes – S35	State
	179 ORTP	Supports the Interstate Route H-1 and H-2, Operational Improvements, Waiawa Interchange			No – A feasibility study determined solution would be costly. Working on other priorities.	State
	307 ORTP	Supports the North-South Road, Widening & Extension, Interstate Route H-1 to Franklin D. Roosevelt Avenue			Yes – S90 (Kapolei Parkway to Interstate H-1)	State
	454 ORTP	Supports TheBus Service, Expansion, Ewa, Kapolei, & Central Oahu			No – Operating funds are not eligible in the TIP.	City
	431B, 440 ORTP	Supports the High Capacity Transit Corridor, Kapolei to Manoa/Waikiki			Yes – C17	City
	508 ORTP	Supports the Transit Centers, Various Locations			Yes – e.g., C24	City

OahuMPO CITIZEN ADVISORY COMMITTEE RECOMMENDATIONS					AGENCY RESPONSES	
PROJ. #	Facility/Project Title	Project Description	Project Type	District	Included in Draft FYs 2008-2011 TIP?	Implementing Agency
	444A ORTP	Supports TheBus Service, Expansion, North Shore, Waianae, & Windward Oahu			No – Operating funds are not eligible in the TIP.	City
	20 ORTP	Supports the Transportation Demand Management (TDM) Program			No – Operating funds are not eligible in the TIP.	City and State
	18 ORTP	Supports the Kipapa Gulch Bikeway			No – A lead agency has not been determined.	Undetermined
	S64 TIP 219 ORTP	Supports the Kamehameha Highway, Widening, Lanikuhana Avenue to Ka Uka Boulevard			Yes – S80	State
	18 ORTP	Supports the <i>Bike Plan Hawaii – Oahu</i> (<i>Bike Plan Hawaii</i> includes only Priority One projects listed in the <i>Honolulu Bicycle Master Plan</i>)			No – HDOT is awaiting development of a Bicycle Implementation Plan to determine priorities for implementation. The City's bike projects are not considered regionally significant and will be locally funded.	City and State
	62, 64, 65, 67 ORTP	Supports the Farrington Highway, Widening			No – There are no presently active plans to widen Farrington Highway.	State
	C8 TIP	<i>Suggested amendment:</i> Add City and County's portion of the Kapunahala Stream Control Project sooner to compliment the Hawaii DOT's portion of the project which is already funded by federal dollars.			Yes – C05. Not sooner than FY 2009.	City
	New Project	Provide similar quantity parking in a multi-deck parking garage in the same location that was proposed under the Bus Rapid Transit Project on the site that is makai of the City's bus parking and maintenance yard. It is located northeast of the corner of Middle Street and Dillingham Boulevard along Kalihi Stream. This would serve residents from the primary urban center and residents from the windward side of Oahu that will be utilizing the high-speed rapid transit going east or west.			No – But the project is underway and is locally funded.	City

OahuMPO CITIZEN ADVISORY COMMITTEE RECOMMENDATIONS					AGENCY RESPONSES	
PROJ. #	Facility/Project Title	Project Description	Project Type	District	Included in Draft FYs 2008-2011 TIP?	Implementing Agency
	C8 TIP	<i>Suggested amendment:</i> Supports moving the Kapunahala Stream Bypass Channel into the FYs 2008-2011 TIP.			Yes – C05	City
	431B 440 ORTP	<i>Suggested deletion:</i> Opposes the High Capacity Transit System Waikiki Spur.			City Council approved LPA to include Waikiki.	City

APPENDIX D: OAHUMPO FREIGHT TASK FORCE RECOMMENDATIONS

MEETING SUMMARY

Oahu Metropolitan Planning Organization Freight Task Force

Thursday, July 6, 2006, 10:00 a.m.

**Hawaii Transportation Association Conference Room
2850 Paa Street, Suite 204
Honolulu, Hawaii**

Members: Garreth Sakakida (Hawaii Transportation Association)
Lance Terayama (Island Movers)
Dexter Okada (U. Okada & Company)
Maile Levins (B & C Trucking)

OMPO Staff: Gordon Lum
Laureen Brennan
Marian Yasuda

Background: OMPO will be initiating the development of the Transportation Improvement Program (TIP) for FYs 2008-2011. The TIP lists high priority projects that will be pursued by the Hawaii Department of Transportation (HDOT) and the Honolulu Department of Transportation Services (DTS). Only those transportation projects identified in the TIP are eligible for federal funding. Two potential project sources for the FYs 2008-2011 TIP include the prior TIP (FYs 2006-2008) and projects listed in the 2006-2015 component of the Oahu Regional Transportation Plan.

Federal regulations cite the need for input from freight movers.

Objective: To provide early input from freight movers for HDOT and DTS to consider when identifying their projects for inclusion into the FYs 2008-2011 TIP.

Results:

- There is much variation in the number and size of vehicles used by freight companies and there is no one or two freight travel corridors that are used exclusively by the “freight industry”. Instead, almost all roadways are used by the freight industry and any improvement to the roadway system will generally be helpful.
- Some major roadways which are important to freight movers include H-1, H-2, Nimitz Highway, and Farrington Highway.
- The following projects were rated by all members of the Freight Task Force as very important:

FREIGHT TASK FORCE TIP RECOMMENDATIONS		
TIP	C2	Bridge inspection and appraisal
ORTP	601	City operations and maintenance (O&M)
TIP	C28	Computerized traffic control system, Phase 12
ORTP	62 67	Farrington Highway, widening Fort Barrette Road to west of Fort Weaver Road
TIP	S8	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway
TIP	S9	Freeway Service Patrol at Various Locations
TIP	C5	Honolulu Traffic Control Center operations
ORTP	108 162	Interstate Route H-1 operational improvements, Lunalilo Street to Vineyard Boulevard
TIP	S21	Interstate Route H-1 Waiawa Interchange Westbound Waipahu Off-Ramp Improvements
TIP	S20	Interstate Route H-1 Waiawa Interchange Westbound, additional westbound lane
TIP	S18	Interstate Route H-1 widening eastbound Waiawa Interchange to Halawa Interchange
ORTP	147	Interstate Route H-1 widening Waipio Interchange
ORTP	175	Interstate Route H-1 operational improvements, Ward Avenue On-Ramp to University Ave. Interchange
ORTP	505	Interstate Route H-1 widening Waiawa Interchange to Waiawa
ORTP	129 173	Interstate Route H-1 widening Waiawa Interchange
ORTP	135 174	Interstate Route H-1 widening Waipahu Off-Ramp
ORTP	105 114 153	Interstate Route H-1 widening Middle Street to Vineyard Boulevard
ORTP	179	Interstate Routes H-1 & H-2, operational improvements, Waiawa Interchange
TIP	S28	Kalanianaʻole Highway improvements, Olomana Golf Course to Waimanalo Beach Park
TIP	S71	Kalanianaʻole Highway shoreline protection, vicinity of Makapuu Pier, MP 7.18-7.38 & MP 7.61-7.67
TIP	S49	Kamehameha Highway shoreline protection
ORTP	248	Kamehameha Highway, safety & operational improvements, Kaalaea Stream to Hygienic Store
ORTP	333	Rockfall Protection, various locations
ORTP	602	State operations and maintenance
ORTP	603	System preservation
TIP	C31	Traffic signal optimization, Phase 5
ORTP	2122	Nimitz Highway Flyover

APPENDIX E: RESPONSES TO FREIGHT TASK FORCE RECOMMENDATIONS

OahuMPO FREIGHT TASK FORCE RECOMMENDATIONS			AGENCY RESPONSES	
Document	Project #	Facility/Project Title	Included in Draft FYs 2008-2011 TIP?	Implementing Agency
TIP	C2	Bridge inspection and appraisal	Yes – C02	State
ORTP	601	City operations and maintenance (O&M)	Yes – e.g., C20	City
TIP	C28	Computerized traffic control system, Phase 12	Yes – C03	City
ORTP	62 67	Farrington Highway, widening Fort Barrette Road to west of Fort Weaver Road	The State is responsible from Fort Barrette Road to Golf Course Road; and the City is responsible from Golf Course Road to Fort Weaver Road. The City's efforts to constrain the TIP along with its overall City priorities of projects and available funding necessitated the deferral of this project's inclusion in the proposed TIP.	City and State
TIP	S8	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway	Yes – S10, S11, S12, S13, and S14	State
TIP	S9	Freeway Service Patrol at Various Locations	Yes – S15	State
TIP	C5	Honolulu Traffic Control Center operations	No – Operating funds are not eligible in the TIP.	City
ORTP	108 162	Interstate Route H-1 operational improvements, Lunalilo Street to Vineyard Boulevard	Yes – S22	State
TIP	S21	Interstate Route H-1 Waiawa Interchange Westbound Waipahu Off-Ramp Improvements	Yes – S35	State
TIP	S20	Interstate Route H-1 Waiawa Interchange Westbound, additional westbound lane	Yes – S28	State
TIP	S18	Interstate Route H-1 widening eastbound Waiawa Interchange to Halawa Interchange	Yes – S34	State
ORTP	147	Interstate Route H-1 widening Waipio Interchange	No – This project is on Interstate Route H-2. The State is looking into requiring developers to build these improvements.	State
ORTP	175	Interstate Route H-1 operational improvements, Ward Avenue On-Ramp to University Ave. Interchange	Yes – S36	State
ORTP	505	Interstate Route H-1 widening Waiawa Interchange to Waiawa	No – Environmentally challenging and cost prohibitive. Innovative funding source needed if present funding levels do not significantly increase.	State
ORTP	129 173	Interstate Route H-1 widening Waiawa Interchange	Yes – S28	State

OahuMPO FREIGHT TASK FORCE RECOMMENDATIONS			AGENCY RESPONSES	
Document	Project #	Facility/Project Title	Included in Draft FYs 2008-2011 TIP?	Implementing Agency
ORTP	135 174	Interstate Route H-1 widening Waipahu Off-Ramp	Yes – S35	State
ORTP	105 114 153	Interstate Route H-1 widening Middle Street to Vineyard Boulevard	No – Design evaluation revealed safety concerns over original scope to re-stripe. Planning project needed, but not presently programmed. Working on other priorities.	State
ORTP	179	Interstate Routes H-1 & H-2, operational improvements, Waiawa Interchange	No – Feasibility study determined solution would be costly. Working on other priorities.	State
TIP	S28	Kalaniana'ole Highway improvements, Olomana Golf Course to Waimanalo Beach Park	Yes – S44	State
TIP	S71	Kalaniana'ole Highway shoreline protection, vicinity of Makapuu Pier, MP 7.18-7.38 & MP 7.61-7.67	No – Erosion repairs completed using non-federal aid funding. Future drainage improvements are still needed, but may also be completed using non-federal aid funds.	State
TIP	S49	Kamehameha Highway shoreline protection	Yes – S74, S75, S76, and S77	State
ORTP	248	Kamehameha Highway, safety & operational improvements, Kaalaea Stream to Hygienic Store	Yes – S78	State
ORTP	333	Rockfall Protection, various locations	Yes – e.g., S71	State
ORTP	602	State operations and maintenance	Yes – e.g., S16	State
ORTP	603	System preservation	Yes – e.g., S04	City and State
TIP	C31	Traffic signal optimization, Phase 5	Yes – C12	City
ORTP	2122	Nimitz Highway Flyover	No – Planning ongoing. EIS to be completed, but highly cost prohibitive. Innovative funding source needed to proceed with the project if present federal funding levels do not significantly increase.	State

APPENDIX F: CITY COUNCIL RESOLUTION NO. 06-362, FD1

Adopted on December 13, 2006



CITY COUNCIL
CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAII

No. 06-362, FD1

RESOLUTION

APPROVING THE CITY AND COUNTY OF HONOLULU'S LIST OF CANDIDATE PROJECTS FOR CONSIDERATION IN THE FISCAL YEARS 2008-2011 TRANSPORTATION IMPROVEMENT PROGRAM.

WHEREAS, Part 450 of Title 23, Code of Federal Regulations (CFR), and Part 613 of Title 49 CFR, set forth regulations governing the development of a transportation improvement program (TIP) by a metropolitan planning organization (MPO), and regulations governing eligibility for federal highway and transit funds; and

WHEREAS, Section 4-2.2 of the Revised Ordinances of Honolulu 1990, as amended, requires that all projects for which assistance is desired under any federal act, program or regulations involving or affecting the Oahu Metropolitan Planning Organization (OMPO) shall be initiated by submission of the proposed project to the City Council for its prior approval; and

WHEREAS, Section 4-2.2 of the Revised Ordinances of Honolulu 1990, as amended, authorizes the director of transportation services to forward the proposed projects approved by the City Council to OMPO for appropriate review and action; and

WHEREAS, by its adoption of Resolution No. 05-140, CD1, on May 11, 2005, the Council of the City and County of Honolulu approved the City's input to the Fiscal Years (FYs) 2006-2008 TIP to the OMPO; and

WHEREAS, the new federal regulations will require that the TIP be updated at least every three years and be approved by the OMPO and the Governor; and

WHEREAS, the Department of Transportation Services, in cooperation with other executive agencies, has developed a list of candidate projects for consideration in the FYs 2008-2011 TIP, attached hereto as Exhibit 1A; now, therefore,

BE IT RESOLVED by the Council of the City and County of Honolulu that the list of candidate projects identified in Exhibit 1A to this resolution is hereby approved as the City's projects for consideration in the FYs 2008-2011 TIP; and

BE IT FURTHER RESOLVED that the Director of Transportation Services may make minor or editing changes, provided that no substantive additions or deletions are made; and



CITY COUNCIL
CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAII

No. 06-362, FD1

RESOLUTION

BE IT FINALLY RESOLVED that the Clerk is directed to transmit certified copies of this resolution to the Director, Department of Transportation Services; the Director, Department of Design and Construction; and Mr. Gordon G. W. Lum, Executive Director, Oahu Metropolitan Planning Organization, Ocean View Center, Suite 200, 707 Richards Street, Honolulu, Hawaii 96813.

INTRODUCED BY:

Donovan Dela Cruz (BR)

DATE OF INTRODUCTION:

November 22, 2006
Honolulu, Hawaii

_____ Councilmembers

**CITY AND COUNTY OF HONOLULU
PROJECTS FOR CONSIDERATION IN THE FYS 2008-2011 TRANSPORTATION IMPROVEMENT PROGRAM**

PROJECT	Work Phase	INFORMATIVE YEARS																FEDERAL FUNDING CATEGORY
		FY 2008			FY 2009			FY 2010			FY 2011			FY 2012		FY 2013		
		Total (\$000)	Federal (\$000)	Local (\$000)	Total (\$000)	Federal (\$000)	Local (\$000)	Total (\$000)	Federal (\$000)	Local (\$000)	Total (\$000)	Federal (\$000)	Local (\$000)	Total (\$000)	Federal (\$000)	Total (\$000)	Federal (\$000)	
Alapai Transportation Management Center A joint communications center to be built behind the Alapai Transit Center. The communications center will hold City, State & emergency response agencies.	INSP	\$ 9,540	\$ 3,696	\$ 5,844														
	DES	\$ 3,000	\$ 2,400	\$ 600	\$ 6,000	\$ 4,800	\$ 1,200	\$ 1,500	\$ 1,200	\$ 300								
	CON				\$ 15,000	\$ 12,000	\$ 3,000	\$ 20,000	\$ 16,000	\$ 4,000	\$ 10,710	\$ 8,980	\$ 1,750					
	EQUIP	\$ 1,000	\$ 800	\$ 200				\$ 4,500	\$ 3,600	\$ 900	\$ 500	\$ 400	\$ 100					
	OPER										\$ 1,000	\$ 800	\$ 200					
TOTAL		\$ 13,540	\$ 6,896	\$ 6,844	\$ 21,000	\$ 16,800	\$ 4,200	\$ 26,000	\$ 20,800	\$ 5,200	\$ 12,210	\$ 10,180	\$ 2,050	\$ 1,300	\$ 1,000	\$ 1,300	\$ 1,000	
Bridge Inspection and Appraisal Inventory, inspect, and appraise City bridges, including underwater inspection, scour analyses, surveys and preparation of plans for bridge repairs.	DES	\$ 350	\$ 280	\$ 70	\$ 420	\$ 290	\$ 130	\$ 450	\$ 360	\$ 90	\$ 450	\$ 360	\$ 90	\$ 450	\$ 360	\$ 450	\$ 360	
	TOTAL	\$ 350	\$ 280	\$ 70	\$ 420	\$ 290	\$ 130	\$ 450	\$ 360	\$ 90	\$ 450	\$ 360	\$ 90	\$ 450	\$ 360	\$ 450	\$ 360	
Computerized Traffic Control System 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.	EQUIP	\$ 1	\$ -	\$ -	\$ 1	\$ -	\$ -	\$ 1	\$ -	\$ -	\$ 1	\$ -	\$ -	\$ 1	\$ -	\$ -	\$ -	
	DES	\$ 340	\$ 240	\$ 100	\$ 300	\$ 240	\$ 60	\$ 300	\$ 240	\$ 60	\$ 300	\$ 240	\$ 60	\$ 375	\$ 300	\$ 375	\$ 300	
	CON	\$ 3,100	\$ 2,400	\$ 700	\$ 3,150	\$ 2,400	\$ 750	\$ 3,150	\$ 2,400	\$ 750	\$ 3,150	\$ 2,400	\$ 750	\$ 3,150	\$ 2,400	\$ 3,150	\$ 2,400	
	INSP	\$ 30	\$ -	\$ 30	\$ 30	\$ -	\$ 30	\$ 30	\$ -	\$ 30	\$ 30	\$ -	\$ 30	\$ 30	\$ -	\$ 30	\$ -	\$ 30
TOTAL	\$ 3,471	\$ 2,640	\$ 831	\$ 3,481	\$ 2,640	\$ 841	\$ 3,481	\$ 2,640	\$ 841	\$ 3,481	\$ 2,640	\$ 841	\$ 3,481	\$ 2,640	\$ 3,555	\$ 2,700	\$ 3,555	\$ 2,700
Kapiolani Blvd. Reconstruction, Phase 1 and 2 Reconstruct Kapiolani Blvd., Phase 1 (South St. to Pensacola St.) using FY '09 funding. Reconstruct Kapiolani Blvd., Phase 2 (Pensacola St. to Kalakaua Ave. and Atkinson Dr.) using FY '11 funding.	CON				\$ 22,000	\$ 17,800	\$ 4,400				\$ 30,000	\$ 24,000	\$ 6,000					
	TOTAL	\$ -	\$ -	\$ -	\$ 22,000	\$ 17,800	\$ 4,400	\$ -	\$ -	\$ -	\$ 30,000	\$ 24,000	\$ 6,000	\$ -	\$ -	\$ -	\$ -	\$ -
Kapunahala Stream Flood Control Provide relief drain system to supplement an existing inadequate drain system along Kapunahala Stream, between Fookela and Keneke Sts.	DES	\$ 25		\$ 25														
	CON	\$ 75		\$ 75	\$ 10,000	\$ 8,000	\$ 2,000											
TOTAL	\$ 100	\$ -	\$ 100	\$ 10,000	\$ 8,000	\$ 2,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Makakilo Drive Extension Plan, design and construct the extension of Makakilo Drive from the Palehua Subdivision to the H-1 Freeway.	DES	\$ 3,000	\$ -	\$ 3,000				\$ 15,000	\$ 12,000	\$ 3,000	\$ 15,000	\$ 12,000	\$ 3,000					
	CON							\$ 2,250	\$ 1,800	\$ 450	\$ 2,250	\$ 1,800	\$ 450					
TOTAL	\$ 3,000	\$ -	\$ 3,000	\$ -	\$ -	\$ -	\$ 17,250	\$ 13,800	\$ 3,450	\$ 17,250	\$ 13,800	\$ 3,450	\$ -	\$ -	\$ -	\$ -	\$ -	
Salt Lake Boulevard Widening Widen boulevard to a multi-lane high roadway within the existing 100' ROW between Matuna and Ala Lili'oi Sts.	ROW										\$ 1	\$ 1				\$ 1	\$ -	
	CON										\$ 30,000	\$ 24,000	\$ 6,000			\$ 30,000	\$ 24,000	
TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,001	\$ 24,000	\$ 6,001	\$ -	\$ -	\$ 30,001	\$ 24,000	
Seismic Bridge Retrofit Conduct site inspections, seismic evaluations, and construct retrofit measures.	DES	\$ 450	\$ 360	\$ 90				\$ 1,500	\$ 1,200	\$ 300				\$ 600	\$ 480			
	CON							\$ 1,500	\$ 1,200	\$ 300								
TOTAL	\$ 450	\$ 360	\$ 90	\$ -	\$ -	\$ -	\$ 1,500	\$ 1,200	\$ 300	\$ -	\$ -	\$ -	\$ -	\$ 600	\$ 480	\$ -	\$ -	
Tantalus Drive and Round Top Drive Provide a boundary study with a topographic survey within the City ROW of Tantalus Drive and Round Top Drive from Krauss St. to Makiki Heights Drive.	PLN	\$ 1,050	\$ 800	\$ 250	\$ 1,050	\$ 800	\$ 250	\$ 1,050	\$ 800	\$ 250	\$ 1,050	\$ 800	\$ 250	\$ 1,050	\$ 800	\$ 1,050	\$ 800	
	TOTAL	\$ 1,050	\$ 800	\$ 250	\$ 1,050	\$ 800	\$ 250	\$ 1,050	\$ 800	\$ 250	\$ 1,050	\$ 800	\$ 250	\$ 1,050	\$ 800	\$ 1,050	\$ 800	

EXHIBIT 1A

**CITY AND COUNTY OF HONOLULU
PROJECTS FOR CONSIDERATION IN THE FYS 2008-2011 TRANSPORTATION IMPROVEMENT PROGRAM**

PROJECT	Work Phase	INFORMATIVE YEARS																FEDERAL FUNDING CATEGORY		
		FY 2008			FY 2009			FY 2010			FY 2011			FY 2012		FY 2013				
		Total (\$000)	Federal (\$000)	Local (\$000)	Total (\$000)	Federal (\$000)	Local (\$000)	Total (\$000)	Federal (\$000)	Local (\$000)	Total (\$000)	Federal (\$000)	Local (\$000)	Total (\$000)	Federal (\$000)	Total (\$000)	Federal (\$000)			
Traffic Improvements at Various Locations Provide for traffic congestion relief and improve traffic safety at the following locations: Harding at 5th and 11th Aves.; Ala Wai Blvd. and McCully St.; McCully St.; Moanalua Rd. and Kaahumanu St.; Dillingham Blvd. and N. King St.; Liliha and Kuakini Str.	PLN	\$ 200	\$ -	\$ 200																LOCAL
	ROW	\$ 100	\$ -	\$ 100																LOCAL
	DES	\$ 890	\$ 320	\$ 370	200	160	40	200	160	40	200	160	40	200	160	200	160	200	160	FHWA-STP FLEXIBLE
	CON	\$ 1,200	\$ 960	\$ 240	1,000	800	200	1,000	800	200	1,000	800	200	1,000	800	1,000	800	1,000	800	FHWA-STP FLEXIBLE
	INSP	\$ 100	\$ -	\$ 100																LOCAL
TOTAL	\$ 2,290	\$ 1,280	\$ 1,010	\$ 1,200	\$ 960	\$ 240	\$ 1,200	\$ 960	\$ 240	\$ 1,200	\$ 960	\$ 240	\$ 1,200	\$ 960	\$ 1,200	\$ 960	\$ 1,200	\$ 960		
Traffic Signals at Various Intersections Install and upgrade traffic signals island-wide including ADA improvements, signs and markings, and interties.	PLN	\$ 1	\$ -	\$ 1	\$ 1	\$ -	\$ 1	\$ 1	\$ -	\$ 1	\$ 1	\$ -	\$ 1	\$ 1	\$ -	\$ 1	\$ 1	\$ -	\$ 1	LOCAL
	DES	\$ 300	\$ 200	\$ 100	\$ 250	\$ 200	\$ 50	\$ 250	\$ 200	\$ 50	\$ 250	\$ 200	\$ 50	\$ 250	\$ 200	\$ 50	\$ 250	\$ 200	\$ 50	FHWA-STP FLEXIBLE
	CON	\$ 2,700	\$ 2,000	\$ 700	\$ 3,125	\$ 2,500	\$ 625	\$ 3,125	\$ 2,500	\$ 625	\$ 3,125	\$ 2,500	\$ 625	\$ 3,125	\$ 2,500	\$ 625	\$ 3,125	\$ 2,500	\$ 625	FHWA-STP FLEXIBLE
	INSP	\$ 30	\$ -	\$ 30	\$ 20	\$ -	\$ 20	\$ 20	\$ -	\$ 20	\$ 20	\$ -	\$ 20	\$ 20	\$ -	\$ 20	\$ 20	\$ -	\$ 20	LOCAL
	EQUIP	\$ 1	\$ -	\$ 1	\$ 1	\$ -	\$ 1	\$ 1	\$ -	\$ 1	\$ 1	\$ -	\$ 1	\$ 1	\$ -	\$ 1	\$ 1	\$ -	\$ 1	LOCAL
TOTAL	\$ 3,032	\$ 2,200	\$ 832	\$ 3,397	\$ 2,700	\$ 697	\$ 3,397	\$ 2,700	\$ 697	\$ 3,397	\$ 2,700	\$ 697	\$ 3,397	\$ 2,700	\$ 697	\$ 3,397	\$ 2,700	\$ 697		
Traffic Signal Maintenance Facility Design, construct, and equip a new traffic signal operating and maintenance facility in Pearl City.	DES	\$ 10	\$ -	\$ 10																LOCAL
	CON	\$ 3,750	\$ 3,000	\$ 750	\$ 1	\$ -	\$ 1													FHWA-STP FLEXIBLE
	EQUIP	\$ 100	\$ -	\$ 100	\$ 20	\$ -	\$ 20													LOCAL
TOTAL	\$ 3,860	\$ 3,000	\$ 860	\$ 21	\$ -	\$ 21	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Traffic Signal Optimization Analyze, develop, and implement new signal timing plans on various roadways to improve traffic flow.	DES	\$ 1,500	\$ 1,000	\$ 500	\$ 1,250	\$ 1,000	\$ 250	\$ 1,250	\$ 1,000	\$ 250	\$ 1,250	\$ 1,000	\$ 250	\$ 563	\$ 450	\$ 375	\$ 300			FHWA-STP FLEXIBLE
	TOTAL	\$ 1,500	\$ 1,000	\$ 500	\$ 1,250	\$ 1,000	\$ 250	\$ 1,250	\$ 1,000	\$ 250	\$ 1,250	\$ 1,000	\$ 250	\$ 563	\$ 450	\$ 375	\$ 300			
Waipio Point Access Road Improvements Construct various improvements including drainage, parking, roadways, pedestrian/bike pathways.	CON	\$ 4,500	\$ 3,600	\$ 900																FHWA-STP FLEXIBLE
	INSP	\$ 450	\$ 360	\$ 90																
TOTAL	\$ 4,950	\$ 3,960	\$ 990	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SUBTOTAL: FHWA-FUNDED PROJECTS		\$ 37,593	\$ 22,416	\$ 15,177	\$ 63,819	\$ 50,790	\$ 13,029	\$ 55,578	\$ 44,260	\$ 11,318	\$ 100,289	\$ 80,420	\$ 19,869	\$ 12,115	\$ 9,450	\$ 41,328	\$ 32,820			
Alapai Transit & Joint Traffic Management Center Plan, design, construct, and inspect a transit center and joint management center at the existing Alapai Bus Terminal.	PLN	\$ 1	\$ -	\$ 1																LOCAL
	DES	\$ 500	\$ 250	\$ 250																FTA \$5307/\$5340
	CON	\$ 5,000	\$ 2,500	\$ 2,500																FTA \$5307/\$5340
	EQUIP	\$ 1	\$ -	\$ 1																LOCAL
	OPER	\$ 1	\$ -	\$ 1																LOCAL
TOTAL	\$ 5,503	\$ 2,750	\$ 2,753	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Bus and Handi-Van Acquisition Program Purchase replacement transit buses and handi-van vehicles. FY08 = 25 60' buses + 10 30' buses + 20 <30' buses FY09 = 25 60' buses + 20 <30' buses FY10 = 25 60' buses + 20 <30' buses FY11 = 25 60' buses + 20 <30' buses	EQUIP	\$ 25,250	\$ 12,625	\$ 12,625	\$ 3,000	\$ 2,400	\$ 600	\$ 8,110	\$ 6,488	\$ 1,622	\$ 10,300	\$ 8,240	\$ 2,060							FTA \$5307/\$5340
	EQUIP	\$ -	\$ -	\$ -	\$ 13,870	\$ 11,098	\$ 2,774	\$ 10,220	\$ 8,176	\$ 2,044	\$ 9,490	\$ 7,592	\$ 1,898							FTA \$5309 Bus Cap
	EQUIP	\$ -	\$ -	\$ -	\$ 4,380	\$ 3,504	\$ 876	\$ 2,920	\$ 2,336	\$ 584	\$ 1,460	\$ 1,168	\$ 292							FTA \$5309 FGM
	EQUIP	\$ -	\$ -	\$ -																FTA
	TOTAL	\$ 25,250	\$ 12,625	\$ 12,625	\$ 21,250	\$ 17,000	\$ 4,250	\$ 21,250	\$ 17,000	\$ 4,250	\$ 21,250	\$ 17,000	\$ 4,250	\$ 34,000	\$ 27,200	\$ 34,000	\$ 27,200	\$ 34,000	\$ 27,200	
Honolulu High Capacity Transit Project Plan, design and construct approximately 20 miles of a grade separated fixed guideway system from West Oahu to Central Honolulu.	PLN	\$ 5,000	\$ 4,000	\$ 1,000	\$ 5,000	\$ 4,000	\$ 1,000	\$ 5,000	\$ 4,000	\$ 1,000	\$ 5,000	\$ 4,000	\$ 1,000	\$ 5,000	\$ 4,000	\$ 5,000	\$ 4,000	\$ 5,000	\$ 4,000	
	DGN	\$ 80,000	\$ 10,000	\$ 70,000	\$ 60,000	\$ 10,000	\$ 50,000	\$ 50,000	\$ -	\$ 50,000	\$ 100,000	\$ 50,000	\$ 50,000	\$ 100,000	\$ 50,000	\$ 100,000	\$ 50,000	\$ 100,000	\$ 50,000	
	CON	\$ -	\$ -	\$ -	\$ 200,000	\$ -	\$ 200,000	\$ 200,000	\$ -	\$ 200,000	\$ 200,000	\$ -	\$ 200,000	\$ 200,000	\$ -	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	
TOTAL	\$ 85,000	\$ 14,000	\$ 71,000	\$ 265,000	\$ 14,000	\$ 251,000	\$ 255,000	\$ 4,000	\$ 251,000	\$ 305,000	\$ 54,000	\$ 251,000	\$ 305,000	\$ 154,000	\$ 305,000	\$ 154,000	\$ 305,000	\$ 154,000		FTA \$5309 New Starts

**CITY AND COUNTY OF HONOLULU
PROJECTS FOR CONSIDERATION IN THE FYS 2008-2011 TRANSPORTATION IMPROVEMENT PROGRAM**

PROJECT	Work Phase	INFORMATIVE YEARS																FEDERAL FUNDING CATEGORY
		FY 2008			FY 2009			FY 2010			FY 2011			FY 2012		FY 2013		
		Total (\$000)	Federal (\$000)	Local (\$000)	Total (\$000)	Federal (\$000)	Local (\$000)	Total (\$000)	Federal (\$000)	Local (\$000)	Total (\$000)	Federal (\$000)	Local (\$000)	Total (\$000)	Federal (\$000)	Total (\$000)	Federal (\$000)	
Intra-Island Ferry Plan, design and construct facilities for a ferry operation which will serve as an extension of the bus service and provide another option for traveling to Honolulu.	DES CON INSP	\$ 1,000	\$ 800	\$ 200	\$ 3,000	\$ 2,000	\$ 1,000											FTA \$5309 New Starts (Ferry Allocation) LOCAL
TOTAL		\$ 1,000	\$ 800	\$ 200	\$ 3,500	\$ 2,000	\$ 1,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Middle Street Intermodal Center 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.	DES CON CON INSP	\$ 2,600 \$ 14,900	\$ 1,300 \$ 7,450	\$ 1,300 \$ 7,450	\$ 35,000 \$ 1,000		\$ 35,000 \$ 1,000											FTA \$5309 Bus Cap FTA \$5309 Bus Cap LOCAL LOCAL
TOTAL		\$ 17,500	\$ 8,750	\$ 8,750	\$ 36,000	\$ -	\$ 36,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Preventive Maintenance Preventive maintenance of FTA-funded rolling stock (buses and handi-vans) to include parts, labor, and other related costs.	OPER	\$ 37,092	\$ 21,000	\$ 16,092	\$ 38,483	\$ 21,000	\$ 17,483	\$ 39,926	\$ 21,000	\$ 18,926	\$ 41,423	\$ 21,000	\$ 20,423	\$ 26,450	\$ 21,000	\$ 26,450	\$ 21,000	FTA \$5307 FTA
TOTAL		\$ 37,092	\$ 21,000	\$ 16,092	\$ 38,483	\$ 21,000	\$ 16,092	\$ 39,926	\$ 21,000	\$ 16,092	\$ 41,423	\$ 21,000	\$ 16,092	\$ 26,450	\$ 21,000	\$ 26,450	\$ 21,000	
Transfer to FHWA for Vanpool Transfer FTA funds to FHWA for HDOT's Vanpool program	OPER	\$ 1,230	\$ 1,230	\$ -	\$ 1,265	\$ 1,265	\$ -	\$ 1,300	\$ 1,300	\$ -	\$ 1,337	\$ 1,337	\$ -	\$ 1,374	\$ 1,374	\$ 1,413	\$ 1,413	FTA \$5307/\$5340 FTA
TOTAL		\$ 1,230	\$ 1,230	\$ -	\$ 1,265	\$ 1,265	\$ -	\$ 1,300	\$ 1,300	\$ -	\$ 1,337	\$ 1,337	\$ -	\$ 1,374	\$ 1,374	\$ 1,413	\$ 1,413	
Transit Security Projects Capital projects at various transit locations to improve safety and security.	PLN DES EQUIP	\$ 1 \$ 1 \$ 450	\$ - \$ - \$ 360	\$ 1 \$ 1 \$ 90	\$ 1 \$ 1 \$ 450	\$ - \$ - \$ 360	\$ 1 \$ 1 \$ 90	\$ 1 \$ 1 \$ 450	\$ - \$ - \$ 360	\$ 1 \$ 1 \$ 90	\$ 1 \$ - \$ 450	\$ - \$ - \$ 360	\$ 1 \$ - \$ 90	\$ 1 \$ - \$ 450	\$ - \$ - \$ 360	\$ 1 \$ - \$ 380	\$ - \$ - \$ 360	LOCAL LOCAL FTA \$5307/\$5340 FTA
TOTAL		\$ 452	\$ 360	\$ 92	\$ 452	\$ 360	\$ 92	\$ 452	\$ 360	\$ 92	\$ 452	\$ 360	\$ 92	\$ 452	\$ 360	\$ 450	\$ 380	
West Oahu Bus and Handi-Van Maintenance Facility Plan, design, and construct a maintenance facility for bus and handi-van operations in West Oahu.	PLN ROW DES CON EQUIP				\$ 250 \$ 1 \$ 1,000	\$ 200 \$ - \$ 800	\$ 50 \$ 1 \$ 200	\$ 1 \$ 1 \$ 1	\$ - \$ - \$ -	\$ 1 \$ 1 \$ 1	\$ - \$ - \$ -	\$ 1 \$ - \$ -	\$ 1 \$ - \$ -	\$ 1 \$ - \$ -	\$ 1 \$ - \$ -	\$ 1 \$ - \$ -	\$ 1 \$ - \$ -	FTA \$5307/\$5340 LOCAL LOCAL FTA \$5307
TOTAL		\$ -	\$ -	\$ -	\$ 1,251	\$ 1,000	\$ 251	\$ 21,003	\$ 9,476	\$ 11,527	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Windward Transit Plan, design, construct and inspect a transit center in Windward, Oahu.	PLN ROW DES CON INSP				\$ 100 \$ 1	\$ - \$ -	\$ 100 \$ 1	\$ 1 \$ 1	\$ - \$ -	\$ 1 \$ 1	\$ - \$ -	\$ 1 \$ 1	\$ - \$ -	\$ 1 \$ 1	\$ - \$ -	\$ 1 \$ 1	\$ - \$ -	LOCAL LOCAL FTA \$5307/\$5340 FTA \$5307/\$5340 LOCAL
TOTAL		\$ -	\$ -	\$ -	\$ 101	\$ -	\$ 101	\$ 222	\$ 176	\$ 46	\$ 2,314	\$ 1,848	\$ 466	\$ -	\$ -	\$ -	\$ -	
SUBTOTAL: FTA-FUNDED PROJECTS		\$ 173,027	\$ 61,615	\$ 111,512	\$ 367,302	\$ 56,625	\$ 309,286	\$ 339,153	\$ 53,312	\$ 283,007	\$ 371,776	\$ 95,546	\$ 271,900	\$ 267,276	\$ 203,934	\$ 367,315	\$ 203,973	
GRAND TOTAL		\$ 210,620	\$ 83,931	\$ 126,689	\$ 431,121	\$ 107,415	\$ 322,315	\$ 394,731	\$ 97,572	\$ 294,325	\$ 472,065	\$ 175,965	\$ 291,769	\$ 379,391	\$ 213,384	\$ 408,643	\$ 236,793	

CITY COUNCIL
CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAII
CERTIFICATE

RESOLUTION 06-362, FD1

Introduced: 11/22/06 By: DONOVAN DELA CRUZ (BR)

Committee: TRANSPORTATION &
PLANNING

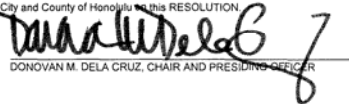
Title: RESOLUTION APPROVING THE CITY AND COUNTY OF HONOLULU'S LIST OF CANDIDATE PROJECTS FOR CONSIDERATION IN THE FISCAL YEARS 2008-2011 TRANSPORTATION IMPROVEMENT PROGRAM.

Links: [RES06-362](#)
[RES06-362, FD1](#)
[D-0940](#)

TP	11/30/06	CR-506 – RESOLUTION REPORTED OUT OF COMMITTEE FOR ADOPTION.								
COUNCIL	12/13/06	RESOLUTION AS AMENDED ON COUNCIL FLOOR (RES06-362, FD1) AND CR-506 ADOPTED.								
	APO	Y	CACHOLA	Y	DELA CRUZ	Y	DJOU	Y	GARCIA	Y
	KOBAYASHI	Y	MARSHALL	Y	OKINO	Y	TAM	Y		

I hereby certify that the above is a true record of action by the Council of the City and County of Honolulu on this RESOLUTION.


DENISE C. DE COSTA, CITY CLERK


DONOVAN M. DELA CRUZ, CHAIR AND PRESIDING OFFICER

APPENDIX G: RESPONSES TO COMMENTS RECEIVED FROM THE PUBLIC

Project Number	Number of Comments Received	Project Title	Summary of Comment	Summary of Responses
C05	1	Kapunahala Stream Flood Control Project	Supports the acceleration of this project.	DTS indicated that the construction phase will not be ready to go sooner than FY 2009.
C06	2	Makakilo Drive Extension	Supports accelerating the construction phase of this project from FY 2010 to FY 2009.	DTS indicated that they are proceeding on this project in a systematic and careful manner in order to fully satisfy the necessary planning requirements. It is unlikely that the construction phase for the project will be ready to go by FY 2009.
Not Applicable	3	Salt Lake Boulevard Widening, Phase 2	Supports the addition of the Salt Lake Boulevard widening project. Requests that planning for this project proceed.	DTS determined that the Salt Lake Boulevard widening project should be suspended until the advanced engineering design is completed for the fixed-guideway project.
Not Applicable	1	New Project	Supports the addition of dedicated bus lanes along Fort Weaver Road.	HDOT currently has a project to widen Fort Weaver Road from Aawa Drive to Geiger Road from 4 to 6 lanes. The purpose of this widening is to address the need for added vehicular traffic, not to develop a dedicated bus lane. There are no present plans for dedicated bus lanes.
S21	1	Interstate Route H-1, Kapolei Interchange, Phase 2	Supports accelerating the construction phase of this project from FY 2012 to FY 2008.	HDOT indicated that these large capital improvement projects that address new capacity and represent a large financial impact must be balanced carefully in the TIP as HDOT tries to preserve what facilities they have and maintain safe roadways. Should this project be "ready-to-go" (design completed and approved by HDOT and FHWA) sooner, advancing this project in the TIP may be possible.

Project Number	Number of Comments Received	Project Title	Summary of Comment	Summary of Responses
S22	1	Interstate Route H-1, Lunalilo Street Off-Ramp and On-Ramp	Supports this project as a relief of traffic congestion on Piikoi and Pensacola Streets.	This project is in the TIP.
S67	1	Kamehameha Highway, Improvements, Waipahu Street to Ka Uka Boulevard	Supports the inclusion of the project.	Project is not included in the TIP due to financial constraint.
S80	1	Kamehameha Highway, Widening, Lanikuhana Avenue to Ka Uka Boulevard	Supports the advancement of project in the interest of safety.	HDOT indicated that, due to the environmental process, it is unlikely that the design phase can begin earlier than FY 2012.
C01-C24	1	All City & County Projects	Supports all City & County Projects in the TIP.	The projects are included in the TIP.

APPENDIX H: RESPONSES TO COMMENTS RECEIVED FROM THE INTERGOVERNMENTAL REVIEW AGENCIES

Agency	Projects Receiving Comment	Summary of Comment	Summary of Responses
Honolulu Police Department	S15: Freeway Service Patrol	Supports project.	Project S15 is included in the draft TIP.
	S10-S13: Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway: Phases 1-B, 1C, 2A, and 2B	Supports projects.	Projects S10-S13 are included in the draft TIP.
Budget and Fiscal Services	C01: Alapai Transportation Management Center	As the City faces financial constraints, projects recommended in the City's Capital Improvement Program must be developed within threshold guidelines.	DTS indicated that the City will continue to prioritize its projects so that the City's Capital Improvement Program is constrained to its ceiling.
	C04: Kapiolani Boulevard Reconstruction, Phases 1 & 2		
	C05: Kapunahala Stream Flood Control Project		
	C06: Makakilo Drive Extension		
Board of Water Supply	Projects in the vicinity of Board of Water Supply projects: S01, S05, S06, S16, S67, S72, S77, S78, S82, S93, S97, C04, and C10	Expressed concern about potential conflict with Board of Water Supply projects.	The Board of Water Supply's concerns were provided to DTS and HDOT for project coordination.
	Requests to be kept informed of project schedules for coordination purposes.		
United States Coast Guard	Projects over Streams: S05, S48, S49, S50, S53, S54, S60, S61, S62, S63, S66, C05, C08, and C18	Requests continued consultation and the opportunity to review these projects so that the Coast Guard can determine impacts, if any, on bridges over navigable water.	The U.S. Coast Guard's concerns were provided to DTS and HDOT for project coordination.
	S16: Guardrail and Shoulder Improvements, Various Locations	Requests that access to Coast Guard facilities be maintained during construction.	
	S41: Kalealoa Roadway, Improvements, Vicinity of Barber's Point Naval Air Station	Requests that access to Coast Guard facilities be maintained during construction.	
	C18: Intra-Island Ferry	Requests to be kept informed on the progress.	

Agency	Projects Receiving Comment	Summary of Comment	Summary of Responses
Honolulu Fire Department	Requests coordination on all projects prior to construction.	Requests notification of and traffic control plans for any structure in the roadway which would require: 1) interference with dry standpipes and/or fire hydrants, 2) road closures, 3) sidewalk closures, 4) closure of three or more traffic lanes, or 5) excavations on the City right-of-way.	The Honolulu Fire Department's concerns were provided to DTS and HDOT for project coordination.
	Traffic Signal Upgrades	Requests that traffic signal upgrades include replacement or addition of Opticom receivers.	
	C01: Alapai Transportation Management Center	Requests consultation regarding the design, location, and amenities of the dispatch area of the Alapai Transportation Management Center.	
Department of Health	Supports bicycle and pedestrian projects included in the TIP.	Requests that more bicycle and pedestrian projects be funded in every project where maintenance, operation, improvements, and new construction of roadways is being addressed. Also supports the coordinated efforts of the implementing State and City agencies to maximize funding opportunities that would increase all forms of non-motorized travel.	Bicycle, pedestrian, and transit projects are currently programmed in the TIP. The Department of Health's comments were provided to DTS and HDOT.
	Encourages inclusion of bicycle and pedestrian elements into every project.		
	Supports projects that increase all forms of non-motorized travel.		

APPENDIX I: INCORPORATION OF SAFETEA-LU PLANNING FACTORS

Planning Factor	FYs 2008-2011 TIP
1. Supports the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency.	<ul style="list-style-type: none"> ● The freeway and highway systems provide a land surface network for the shipment of cargo by trucks across the island. ● Roadway improvements also enhance the movement of workers, which is a key factor in maintaining productivity and efficiency in business. They provide better access to jobs and opportunities, which enhances the economic vitality of an area. ● Roadway improvements, as well as bus purchases and bus infrastructure improvements, enhance welfare-to-work trips, which provides a mechanism for improving job opportunities as well as the employment pool available to area businesses. ● The improvement of travel times and congestion relief support the economic vitality of the metropolitan area, allowing for competitiveness, productivity, and efficiency.
2. Increases the safety of the transportation system for all motorized and non-motorized users.	<ul style="list-style-type: none"> ● Many projects in the TIP address maintenance and safety improvements, such as traffic signal installations, intersection improvements, bridge replacements, seismic retrofit, guardrail, lighting, rehabilitation, and resurfacing projects. These improvement projects often include sidewalk and bike lane improvements or installations. ● Other TIP projects provide second or alternate access to communities, which can increase the safety of residents and businesses during an emergency. ● The Freeway Service Patrol will reduce secondary incidents caused by disabled vehicles on the freeway. ● Bikeway projects increase the safety of bicyclists.
3. Increases the security of the transportation system for motorized and non-motorized users.	<ul style="list-style-type: none"> ● Highway and transit improvement projects increase the accessibility and mobility of motorized, as well as non-motorized users during emergencies. ● Reductions in delay due to highway and transit improvement projects, as well as ITS measures support emergency response capability. ● The planning, design, and construction of the Alapai Joint Traffic Management Center is envisioned to be part of the emergency operations center that will direct evacuations and emergency response to homeland security threats and attacks, as well as natural disasters (e.g., hurricanes, earthquakes, and tsunami). ● The Transit Security project will increase the safety and security of Honolulu's transit system.
4. Increases accessibility and mobility of people and freight.	<ul style="list-style-type: none"> ● A number of projects programmed in the TIP include bikeway and sidewalk improvements, which promote non-motorized travel. ● The City's bus acquisition and paratransit bus acquisition programs, as well as transit center projects, will maintain the level and quality of public transit on Oahu. ● The highway and freeway maintenance and improvement projects will expedite movement of freight. Because of the great variations in the number of vehicles and the sizes of vehicles used by freight movers, all roadways are utilized by the freight industry to ensure the timely pickup and delivery of goods. Members of the Freight Task Force suggested that any roadway improvement is of benefit to the freight movers.

Planning Factor	FYs 2008-2011 TIP
<p>5. Protects and enhances the environment, promotes energy conservation, improves the quality of life, and promotes consistency between transportation improvements and State and local planned growth and economic development patterns.</p>	<ul style="list-style-type: none"> ● As part of the public outreach process, numerous city and state government agencies responsible for land use management, natural resources, environmental protection, conservation, and historic preservation were consulted with to determine that the proposed projects were consistent with their plans. The consultation resulted in a comparison with conservation plans and inventories of natural and historic resources with the proposed TIP projects. ● Transit projects provide an alternative to driving, which promotes energy conservation. Transit projects also provide mobility options for people who do not have access to cars, which would improve their quality of life. ● Many transportation projects are located in Ewa, the Primary Urban Corridor, and Central Oahu, where most of the growth is targeted.
<p>6. Enhances the integration and connectivity of the transportation system, across and between modes, for people and freight.</p>	<ul style="list-style-type: none"> ● The diverse range of projects in the TIP promotes the integration and connectivity of the transportation system. ● Transit center projects will increase the efficiency of transfers between transit, as well as transfers between automobiles and transit. ● Roadway improvements are of benefit to the freight movers. The Freight Task Force noted that there are great variations in the number of vehicles and sizes of vehicles used by the freight movers. Because of this, all roadways are utilized by the freight industry. As a result, the Task Force noted that any roadway improvement would be of benefit to the freight movers. ● It is envisioned that the Joint Traffic Management Center will improve the flow of traffic between City and State roadways through enhanced and coordinated communication. ● The Intra-Island Ferry will have connections to the bus system.
<p>7. Promotes efficient system management and operation.</p>	<ul style="list-style-type: none"> ● The TIP includes both highway and transit projects, which are designed to complement each other. ● Projects, such as the completion of the North South Road, will provide continuous access between communities and employment centers. ● ITS technology is used in many projects to enhance the efficiency of the transportation system. For example, the Computerized Traffic Control System enables the City to monitor traffic on various facilities around the island. Also, the traffic signal optimization project will promote efficient operation.
<p>8. Emphasizes the preservation of the existing transportation system.</p>	<ul style="list-style-type: none"> ● Maintenance projects of the HDOT and DTS are programmed in the TIP. There is emphasis during the program period on maintenance projects such as road resurfacing and rehabilitation projects, guardrail and shoulder improvements, and the seismic retrofit of bridges. ● The City's bus acquisition and paratransit bus acquisition programs will help to maintain the level and quality of public transit on Oahu.

APPENDIX J: DETAILED PROJECT EVALUATION CRITERIA

INITIAL CRITERIA FOR ALL PROJECTS

Criteria that projects have to meet in order to be included in the TIP

Criteria	(Yes/No)
Oahu Regional Transportation Plan (ORTP) Consistency	<p>Is the project included in the ORTP or consistent with the ORTP goals and objectives?</p> <p><i>If the project is neither listed in the ORTP nor consistent with the ORTP goals and objectives, the project is not eligible for the TIP.</i></p>
Readiness to Go	<p>Ready to obligate by the end of the federal fiscal year?</p> <p><i>If the project will not be ready to obligate by the end of the federal fiscal year, the project is not eligible for the TIP.</i></p>
Availability of Local Match	<p>Is a local match available?</p> <p><i>If a local match is not committed or reasonably expected to be available at the time of obligation, the project is not eligible for the TIP.</i></p>
SAFETEA-LU Planning Factors	<p>Addresses at least one of the following bullets?</p> <ul style="list-style-type: none"> • Supports the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency. • Increases the safety of the transportation system for all motorized and non-motorized users. • Increases the ability of the transportation system to support homeland security and to safeguard the personal security of all motorized and non-motorized users. • Increases accessibility and mobility of people and freight. • Protects and enhances the environment, promotes energy conservation, improves the quality of life, and promotes consistency between transportation improvements and State and local planned growth and economic development patterns. • Enhances the integration and connectivity of the transportation system, across and between modes, for people and freight. • Promotes efficient system management and operation. • Emphasizes the preservation of the existing transportation system.
Oahu Regional ITS Architecture Consistency	<p>Is the project consistent with the Oahu Regional ITS Architecture?</p>

SYSTEM PRESERVATION PROJECTS

Projects that upgrade and protect Oahu's infrastructure investment, such as:

- pavement resurfacing projects
- bridge projects
- drainage projects
- street light pole replacement projects
- traffic sign projects
- roadway upgrade projects (no additional capacity)
- ITS Projects

Criteria	High	Medium	Low	Yes/No
Bridge Replacement Program (<i>State projects</i>)	Project was identified through HDOT's Bridge Replacement Program process		Project did not result from HDOT's Bridge Replacement Program process	
Bridge Inspection and Appraisal (<i>City projects</i>)	Project was identified through the City's Bridge Inspection and Appraisal		Project did not result from the City's Bridge Inspection and Appraisal	
Pavement Management System (<i>State projects</i>)	Project was identified through HDOT's Pavement Management System process		Project did not result from HDOT's Pavement Management System process	
Roadway Pavement Condition Survey (<i>City projects</i>)	Project was identified through the City's Roadway Pavement Condition Survey		Project did not result from the City's Roadway Pavement Condition Survey	
Cost Participation	Private industry funding has been secured or project is 100% federally funded	Private industry funding is anticipated	Does not include other financial involvement (i.e., private industry)	
Project Stage	Phase of the project (planning or design) has already been completed	Phase of the project (planning or design) is almost complete	The project has not yet begun	
Gap Closure				Does the project close a gap or connect missing links in a route?
Mandated				Required by federal, state, or municipal laws, regulations, or codes?
Transit Friendly				Does the project include improvements to transit facilities, such as bus pads and bus bays?

SAFETY PROJECTS

Projects that mitigate high accident and hazardous sites, such as:

- *guardrail and shoulder improvement projects*
- *rockfall and slope stabilization projects*
- *emergency telephone projects*
- *ITS Projects*

Criteria	High	Medium	Low	Yes/No
Strategic Highway Safety Plan	Project was identified through HDOT's Strategic Highway Safety Plan		Project did not result from HDOT's Strategic Highway Safety Plan	
Highway Safety Improvement Program (<i>State and City projects</i>)	Project was identified through HDOT's Highway Safety Improvement Program process		Project did not result from HDOT's Highway Safety Improvement Program process	
Rockfall Protection Study at Various Locations on the Island of Oahu (<i>State projects</i>)	High potential for rockfall based on HDOT's Rockfall Protection Study	Medium potential for rockfall based on HDOT's Rockfall Protection Study	Low potential for rockfall based on HDOT's Rockfall Protection Study	
Cost Participation	Private industry funding has been secured or project is 100% federally funded	Private industry funding is anticipated	Does not include other financial involvement (i.e., private industry)	
Project Stage	Phase of the project (planning or design) has already been completed	Phase of the project (planning or design) is almost complete	The project has not yet begun	
Gap Closure				Does the project close a gap or connect missing links in a route?
Mandated				Required by federal, state, or municipal laws, regulations, or codes?
Transit Friendly				Does the project include improvements to transit facilities, such as bus pads and bus bays?

CONGESTION MITIGATION PROJECTS

Projects that increase the efficiency of the highway system, such as:

- traffic signal modernization projects
- operational improvement projects
- ITS projects

Criteria	High	Medium	Low	Yes/No
Congestion Management Process <i>(State and City projects)</i>	Project was evaluated as part of the OahuMPO's Congestion Management Process		Project was not evaluated as part of the OahuMPO's Congestion Management Process	
Highway Safety Improvement Program <i>(State and City projects)</i>	Project was identified through HDOT's Highway Safety Improvement Program process		Project did not result from HDOT's Highway Safety Improvement Program process	
Travel Time or Delay Analysis ¹	Travel time savings per day > 1000 hours <i>In the future – Delay analysis will be used for projects such as intersection improvements, turn lanes, and signal modernizations.</i>	Travel time savings per day <= 1000 hours <i>In the future – Delay analysis will be used for projects such as intersection improvements, turn lanes, and signal modernizations.</i>	<i>In the future – Delay analysis will be used for projects such as intersection improvements, turn lanes, and signal modernizations.</i>	
Project Location	Includes a congestion relief component in the leeward corridor of Oahu	Includes a congestion relief component in other areas of Oahu		
Cost Participation	Private industry funding has been secured or project is 100% federally funded	Private industry funding is anticipated	Does not include other financial involvement (i.e., private industry)	
Project Stage	Phase of the project (planning or design) has already been completed	Phase of the project (planning or design) is almost complete	The project has not yet begun	
Traffic Signal Warrants				Traffic signal project meets the criteria in the Traffic Signal Warrants

¹ Travel Time Savings is measured by Vehicle Hours of Travel (VHT) saved. Total systemwide VHT for a base case is computed. Applicable projects are added one at a time, and VHT is recomputed and compared with the base case to find the travel time savings that could be attributed to that particular project. A project is deleted from the base case before another is added.

CONGESTION MITIGATION PROJECTS, CONTINUED

Criteria	High	Medium	Low	Yes/No
Gap Closure				Does the project close a gap or connect missing links in a route?
Mandated				Required by federal, state, or municipal laws, regulations, or codes?
Transit Friendly				Does the project include improvements to transit facilities, such as bus pads and bus bays?

MODERNIZATION PROJECTS

Projects that add capacity to the highway system, such as:

- new highway projects
- widening projects (additional capacity)
- second access projects
- ITS Projects

Criteria	High	Medium	Low	Yes/No
Congestion Management Process	Project was evaluated as part of the OahuMPO's Congestion Management Process		Project was not evaluated as part of the OahuMPO's Congestion Management Process	
Highway Safety Improvement Program (<i>State and City projects</i>)	Project was identified through HDOT's Highway Safety Improvement Program process		Project did not result from HDOT's Highway Safety Improvement Program process	
Travel Time or Delay Analysis ²	Travel time savings per day > 1000 hours <i>In the future – Delay analysis will be used for projects such as intersection improvements, turn lanes, and signal modernizations.</i>	Travel time savings per day <= 1000 hours <i>In the future – Delay analysis will be used for projects such as intersection improvements, turn lanes, and signal modernizations.</i>	<i>In the future – Delay analysis will be used for projects such as intersection improvements, turn lanes, and signal modernizations.</i>	
Project Location	Includes a congestion relief component in the leeward corridor of Oahu	Includes a congestion relief component in other areas of Oahu		
Cost Participation	Private industry funding has been secured or project is 100% federally funded	Private industry funding is anticipated	Does not include other financial involvement (i.e., private industry)	
Project Stage	Phase of the project (planning or design) has already been completed	Phase of the project (planning or design) is almost complete	The project has not yet begun	
Gap Closure				Does the project close a gap or connect missing links in a route?
Mandated				Required by federal, state, or municipal laws, regulations, or codes?
Transit Friendly				Does the project include improvements to transit facilities, such as bus pads and bus bays?

² Travel Time Savings is measured by Vehicle Hours of Travel (VHT) saved. Total system-wide VHT for a base case is computed. Applicable projects are added one at a time, and VHT is recomputed and compared with the base case to find the travel time savings that could be attributed to that particular project. A project is deleted from the base case before another is added.

ENHANCEMENT PROJECTS

Transportation enhancement projects, such as:

- bikeway projects
- landscaping projects
- pedestrian facilities projects

Criteria	High	Medium	Low	Yes/No
OahuMPO Transportation Enhancement Program (for projects funded with Surface Transportation Program (STP) Enhancement funds)	Project was rated high as a result of the OahuMPO's Transportation Enhancement Program process	Project was rated medium as a result of the OahuMPO's Transportation Enhancement Program process	Project was rated low as a result of the OahuMPO's Transportation Enhancement Program process	
Non-enhancement funding (for projects NOT funded with STP Enhancement funds)	Project was rated high using criteria from the OahuMPO's Transportation Enhancement Program	Project was rated medium using criteria from the OahuMPO's Transportation Enhancement Program	Project was rated low using criteria from the OahuMPO's Transportation Enhancement Program	
Cost Participation	Private industry funding has been secured or project is 100% federally funded	Private industry funding is anticipated	Does not include other financial involvement (i.e., private industry)	
Project Stage	Phase of the project (planning or design) has already been completed	Phase of the project (planning or design) is almost complete	The project has not yet begun	
Gap Closure				Does the project close a gap or connect missing links in a route?
Mandated				Required by federal, state, or municipal laws, regulations, or codes?
Transit Friendly				Does the project include improvements to transit facilities, such as bus pads and bus bays?

HUMAN SERVICES TRANSPORTATION PROGRAMS

Human services programs, such as the following, that assist persons who have been traditionally underserved by the transportation system:

- *Job Access and Reverse Commute Program*
- *Elderly and Persons with Disabilities Vehicle Acquisition Program*
- *New Freedom Program*
- *Ways to Work Program*

Criteria	High	Medium	Low	Yes/No
Coordinated Public Transit-Human Services Transportation Plan	The program is included in the Coordinated Public Transit-Human Services Transportation Plan		The program is not included in the Coordinated Public Transit-Human Services Transportation Plan	
Cost Participation	Private industry funding has been secured or project is 100% federally funded	Private industry funding is anticipated	Does not include other financial involvement (i.e., private industry)	
Project Stage	Phase of the project (planning or design) has already been completed	Phase of the project (planning or design) is almost complete	The project has not yet begun	
Mandated				Required by federal, state, or municipal laws, regulations, or codes?

TRANSIT PROJECTS

Transit-related projects such as:

- *Preventive maintenance*
- *Bus replacements*
- *Intermodal centers*
- *Transit centers*
- *Bus radios*
- *New transit service*

Criteria³	Yes/No
Maintain and operate existing fixed route bus and complementary paratransit system	
Completes multi-phase project that has started	
Enhances system performance through implementation of hub-and-spoke system	
Enhances safety/security of passengers and the system and enhances service quality level	
New transit service	
Year 1 local match in budget	
Years 2 , 3 or 4 probable local match in budget	

³ Criteria are in ranked order.

APPENDIX K: DETAILED PROJECT EVALUATIONS

SYSTEM PRESERVATION PROJECTS		Bridge Replacement Program (State)	Bridge Inspection & Appraisal (City)	Pavement Management System (State)	Roadway Pavement Condition Survey (City)	Cost Participation	Project Stage	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses SAFETEA-LU Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORIP Consistency
C02	Bridge Inspection and Appraisal	N/A	H	N/A	N/A	L	H	N/A	Y	N	N/A	Y	Y	Y	Proj. 36
C04	Kapiolani Boulevard Reconstruction, Phases 1 and 2	N/A	N/A	N/A	H	L	L	N	N	Y	N/A	Y	Y	Y	Proj. 34
C05	Kapunahala Stream Flood Control Project	N/A	N/A	N/A	N/A	L	L	N	N	N	N/A	Y	Y	Y	Proj. 34
C08	Seismic Bridge Retrofit	N/A	M	N/A	N/A	L	M	N/A	Y	N	N/A	Y	Y	Y	Proj. 36
C14	Waipio Point Access Road Improvements	N/A	N/A	N/A	N/A	L	M	N	Y	N	N/A	Y	Y	Y	Proj. 34
S02	Castle Hills Access Road Drainage Improvements	N/A	N/A	N/A	N/A	H	M	N/A	N	N	N/A	Y	Y	Y	Proj. 35
S03	Farrington Highway, Bridge Rehabilitation, Kaupuni Stream Bridge	H	N/A	N/A	N/A	L	M	N/A	N	N	N/A	Y	Y	Y	Proj. 36
S04	Farrington Highway, Bridge Replacement, Maipalaoa Bridge	H	N/A	N/A	N/A	L	M	N/A	N	N	N/A	Y	Y	Y	Proj. 36
S05	Farrington Highway, Bridge Replacement, Makaha Bridges #3 and #3A	H	N/A	N/A	N/A	L	M	N/A	N	N	N/A	Y	Y	Y	Proj. 36
S19	Interstate Route H-1, Highway Lighting Improvements, Kaimakani Overpass to Gulick Avenue, Phase 1	N/A	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 35
S20	Interstate Route H-1, Highway Lighting Improvements, Kaimakani Overpass to Gulick Avenue, Phase 2	N/A	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 35

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

SYSTEM PRESERVATION PROJECTS		Bridge Replacement Program (State)	Bridge Inspection & Appraisal (City)	Pavement Management System (State)	Roadway Pavement Condition Survey (City)	Cost Participation	Project Stage	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses SAFETEA-LU Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency
S23	Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 1	N	N/A	N/A	N/A	L	L	N	N	N	N/A	Y	Y	Y	Proj. 36
S24	Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 2	N	N/A	N/A	N/A	L	L	N	N	N	N/A	Y	Y	Y	Proj. 36
S25	Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phase 3	N	N/A	N/A	N/A	L	L	N	N	N	N/A	Y	Y	Y	Proj. 36
S27	Interstate Route H-1, Pearl City and Waimalu Viaduct Improvements, Phases 4 & 5	N	N/A	N/A	N/A	L	L	N	N	N	N/A	Y	Y	Y	Proj. 36
S31	Interstate Route H-1, Seismic Retrofit, Farrington Highway Separation, Makakilo Separation, and Military Road Overpass	N	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S32	Interstate Route H-1, Seismic Retrofit, Pali Highway Overpass and Nuuanu Avenue Separation	N	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S37	Interstate Route H-3, H-3 Finish, Unit VIIC	N/A	N/A	N/A	N/A	H	M	N	N	N	N/A	Y	Y	Y	Proj. 35
S38	Interstate Route H-3, Seismic Retrofit, Mokapu Boulevard Interchange	N	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S39	Interstate Routes H-1 and H-2, Destination Sign Upgrade/Replacement	N/A	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 35
S40	Kahekili Highway Improvements in the Vicinity of Hui Iwa Street	N/A	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Obj. 7
S41	Kalaeloa Roadway, Improvements, Vicinity of Barber's Point Naval Air Station	N/A	N/A	N/A	N/A	L	L	N	N	N	N/A	Y	Y	Y	Obj. 6

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

SYSTEM PRESERVATION PROJECTS		Bridge Replacement Program (State)	Bridge Inspection & Appraisal (City)	Pavement Management System (State)	Roadway Pavement Condition Survey (City)	Cost Participation	Project Stage	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses SAFETEA-LU Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency
S49	Kalaniana'ole Highway, Inoaole Stream Bridge Replacement	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S50	Kamehameha Highway, Bridge Rehabilitation, Kaipapau Stream Bridge	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S51	Kamehameha Highway, Bridge Rehabilitation, Kawailoa Stream Bridge	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S52	Kamehameha Highway, Bridge Rehabilitation, Laie Stream Bridge	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S53	Kamehameha Highway, Bridge Rehabilitation, Makaua Stream Bridge	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S54	Kamehameha Highway, Bridge Rehabilitation, Waikane Stream Bridge	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S55	Kamehameha Highway, Bridge Rehabilitation, Waipilopilo Stream Bridge	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S56	Kamehameha Highway, Bridge Replacement, Cane Haul Road Structure, In-Bound, Vicinity of Waipahu	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S57	Kamehameha Highway, Bridge Replacement, Cane Haul Road Structure, Out-Bound, Vicinity of Waipahu	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S58	Kamehameha Highway, Bridge Replacement, Hoolapa Stream (Nanahu) Bridge	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S59	Kamehameha Highway, Bridge Replacement, Kalua Springs Bridge, Eastbound	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S60	Kamehameha Highway, Bridge Replacement, Kaluanui Stream Bridge	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

SYSTEM PRESERVATION PROJECTS		Bridge Replacement Program (State)	Bridge Inspection & Appraisal (City)	Pavement Management System (State)	Roadway Pavement Condition Survey (City)	Cost Participation	Project Stage	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses SAFETEA-LU Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency
S61	Kamehameha Highway, Bridge Replacement, Kawela Stream Bridge	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S62	Kamehameha Highway, Bridge Replacement, North Kahana Stream Bridge	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S63	Kamehameha Highway, Bridge Replacement, South Kahana Stream Bridge	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S64	Kamehameha Highway, Bridge Replacement, South Punaluu Stream Bridge	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S65	Kamehameha Highway, Bridge Replacement, Upper Poamoho Stream Bridge	Y	N/A	N/A	N/A	H	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S66	Kamehameha Highway, Bridge Replacement, Waiahole Bridge	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S69	Kamehameha Highway, Lighting Improvements, Kawaipuna Street to North Punaluu Bridge	Y	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 35
S85	Moanalua Freeway, Highway Lighting Improvements, Halawa to the H-3 Freeway Overpass	N/A	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 35
S86	Moanalua Freeway, Highway Lighting Improvements, Halawa Heights Off-Ramp to the Middle Street Overpass	N/A	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 35
S87	Moanalua Freeway, Seismic Retrofit, Puuloa Interchange, Ramp "A"	N	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S88	Moanalua Freeway, Seismic Retrofit, Puuloa Separation, Ramps "B" and "C"	N	N/A	N/A	N/A	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

SYSTEM PRESERVATION PROJECTS		Bridge Replacement Program (State)	Bridge Inspection & Appraisal (City)	Pavement Management System (State)	Roadway Pavement Condition Survey (City)	Cost Participation	Project Stage	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses SAFETEA-LU Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency
S97	Ala Moana Boulevard and Nimitz Highway, Resurfacing, Fort Street Mall to Holomoana Street	N	N/A	Y	N/A	L	M	Y	N	N	N/A	Y	Y	Y	Proj. 36

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

SAFETY PROJECTS		Strategic Highway Safety Plan (not yet released)	Highway Safety Improvement Program	Rockfall Protection Study (State)	Cost Participation	Project Stage	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses SAFETEA-LU Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency
C01	Alapai Transportation Management Center	N	L	N/A	L	L	N	N	Y	Y	Y	Y	Y	Proj. 1
C10	Traffic Improvements at Various Locations	N	L	N/A	L	M	N	N	N	N/A	Y	Y	Y	Obj. 6
S01	Ala Moana Boulevard, Intersection Improvements, Piikoi Street	N	Y	N	L	L	N	N	N	N/A	Y	Y	Y	Obj. 6
S06	Farrington Highway, Intersection Improvements, Haleakala Avenue	N	Y	N	H	M	N	N	N	N/A	Y	Y	Y	Obj. 7
S07	Farrington Highway, Intersection Improvements, Lualualei Homestead Road	N	Y	N	L	M	N	N	N	N/A	Y	Y	Y	Obj. 7
S08	Farrington Highway, Intersection Improvements, Nanakuli Avenue	N	Y	N	L	M	N	N	N	N/A	Y	Y	Y	Obj. 7
S16	Guardrail and Shoulder Improvements, Various Locations	N	N	N	L	L	N	N	N	N/A	Y	Y	Y	Proj. 35
S17	Interstate Route H-1, Guardrail and Shoulder Improvements, Kapiolani Interchange to Ainakoa Avenue	N	N	N	L	M	N	N	N	N/A	Y	Y	Y	Proj. 35
S18	Interstate Route H-1, Guardrail and Shoulder Improvements, Middle Street to Punchbowl Street	N	N	N	L	M	N	N	N	N/A	Y	Y	Y	Proj. 35
S43	Kalaniana'ole Highway, Improvements, Olomana Golf Course to Waimanalo Beach Park	N	N	N	H	M	N	N	Y	N/A	Y	Y	Y	Proj. 8
S44	Kalaniana'ole Highway, Improvements, Olomana Golf Course to Waimanalo Beach Park, Phase I	N	N	N/A	L	M	N	N	Y	N/A	Y	Y	Y	Proj. 8

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

SAFETY PROJECTS		Strategic Highway Safety Plan (not yet released)	Highway Safety Improvement Program	Rockfall Protection Study (State)	Cost Participation	Project Stage	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses SAFETEA-LU Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency
S45	Kalaniana'ole Highway, Improvements, Olomana Golf Course to Waimanalo Beach Park, Phase II	N	N	N/A	L	M	N	N	Y	N/A	Y	Y	Y	Proj. 8
S46	Kalaniana'ole Highway, Improvements, Olomana Golf Course to Waimanalo Beach Park, Phase III	N	N	N/A	L	M	N	N	Y	N/A	Y	Y	Y	Proj. 8
S47	Kalaniana'ole Highway, Improvements, Retaining Wall at Makapuu	N	N	Y	L	M	N	N	N	N/A	Y	Y	Y	Proj. 5
S68	Kamehameha Highway, Intersection Improvements, Kuilima Drive	N	Y	N	M	M	N	N	N	N/A	Y	Y	Y	Obj. 6
S71	Kamehameha Highway, Rockfall Protection, Vicinity of Kahuku	N	N	Y	L	L	N	N	N	N/A	Y	Y	Y	Proj. 5
S72	Kamehameha Highway, Rockfall Protection, Vicinity of Wahiawa Town	N	N	Y	L	L	N	N	N	N/A	Y	Y	Y	Proj. 5
S73	Kamehameha Highway, Rockfall Protection, Waimea Bay	N	N	Y	L	M	N	N	N	N/A	Y	Y	Y	Proj. 5
S74	Kamehameha Highway, Shoreline Protection, Vicinity of Punaluu	N	N	Y	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S75	Kamehameha Highway, Shoreline Protection, Vicinity of Hauula	N	N	Y	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S76	Kamehameha Highway, Shoreline Protection, Vicinity of Kaaawa	N	N	Y	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S77	Kamehameha Highway, Shoreline Protection, Vicinity of Kawailoa Beach	N	N	Y	L	M	N	N	N	N/A	Y	N/A	Y	Proj. 36
S78	Kamehameha Highway, Traffic Improvements, Kahuluu to Waimea Bay	N	N	N	L	M	N	N	N	N/A	Y	Y	Y	Proj. 36
S83	Likelike Highway, Intersection Improvements, Kahekili Highway	N	Y	N	L	L	N	N	N	N/A	Y	Y	Y	Obj. 6

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

SAFETY PROJECTS		Strategic Highway Safety Plan (not yet released)	Highway Safety Improvement Program	Rockfall Protection Study (State)	Cost Participation	Project Stage	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses SAFETEA-LU Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency
S84	Moanalua Freeway and Interstate Route H-2, Guardrail and Shoulder Improvements	N	N	N	L	M	N	N	N	N/A	Y	Y	Y	Proj. 35
S89	Nimitz Highway, Intersection Improvements, Valkenburgh Street	N	Y	N	L	M	N	N	N	N/A	Y	Y	Y	Obj. 6
S91	Pali Highway, Castle Junction, Rockfall Protection, Kailua Bound	N	N	Y	L	M	N	N	N	N/A	Y	Y	Y	Proj. 5
S92	Pali Highway, Intersection Improvements at School Street	N	Y	N	L	L	N	N	N	N/A	Y	Y	Y	Obj. 6

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

CONGESTION MITIGATION PROJECTS		Congestion Management Process	Highway Safety Improvement Program	Travel Time or Delay Analysis	Project Location	Cost Participation	Project Stage	Traffic Signal Warrants	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses SAFETEA-LU Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency
C03	Computerized Traffic Control System	N/A	H	N/A	H	L	M	N/A	N	N	N	Y	Y	Y	Y	Proj. 4
C11	Traffic Signal Maintenance Facility	N/A	H	N/A	N/A	L	M	N/A	N	Y	N	Y	Y	Y	Y	Proj. 34
C12	Traffic Signal Optimization	N/A	H	N/A	H	L	L	N/A	N	N	N	Y	Y	Y	Y	Proj. 34
C13	Traffic Signals at Various Locations	N/A	H	N/A	H	L	M	Y	N	N	N	N/A	Y	Y	Y	Proj. 34
C21	Transfer to FHWA for Vanpool	N/A	N/A	N/A	M	L	H	N/A	N	N	N	N/A	Y	N/A	Y	Proj. 7
S10	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway, Phase 1B	N/A	L	N/A	H	L	M	N/A	N	N	N	Y	Y	Y	Y	Proj. 4
S11	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway, Phase 1C	N/A	L	N/A	H	L	M	N/A	N	N	N	Y	Y	Y	Y	Proj. 4
S12	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway, Phase 2A	N/A	L	N/A	H	L	M	N/A	N	N	N	Y	Y	Y	Y	Proj. 4
S13	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway, Phase 2B	N/A	L	N/A	H	L	M	N/A	N	N	N	Y	Y	Y	Y	Proj. 4
S14	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway, System Manager	N/A	L	N/A	H	L	M	N/A	N	N	N	Y	Y	Y	Y	Proj. 4
S15	Freeway Service Patrol	N/A	L	N/A	H	L	M	N/A	N	N	N	Y	Y	Y	Y	Proj. 4

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

CONGESTION MITIGATION PROJECTS		Congestion Management Process	Highway Safety Improvement Program	Travel Time or Delay Analysis	Project Location	Cost Participation	Project Stage	Traffic Signal Warrants	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses SAFETEA-LU Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency
S22	Interstate Route H-1, Lunalilo Street Off-Ramp and On-Ramp	N/A	L	N/A	M	L	M	N/A	N	N	N	N/A	Y	Y	Y	Proj. 16
S36	Interstate Route H-1, Ward Avenue On-Ramp to University Interchange, Eastbound	N/A	L	N/A	M	L	L	N/A	N	N	N	N/A	Y	Y	Y	Proj. 23
S93	Traffic Signal Modernization, Various Locations, Waialae Avenue and Nimitz, Farrington, Pali, and Likelike Highways	N/A	L	N/A	M	L	M	N/A	N	N	N	N/A	Y	Y	Y	Proj. 35
S95	Vanpool Program, Oahu	N/A	L	N/A	H	H	H	N/A	N	N	N	N/A	Y	N/A	Y	Proj. 7

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

MODERNIZATION PROJECTS		Congestion Management Process	Highway Safety Improvement Program	Travel Time or Delay Analysis	Project Location	Cost Participation	Project Stage	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses SAFETEA-LU Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency
C06	Makakilo Drive Extension	H	L	H	H	L	M	N	Y	N	N/A	Y	Y	Y	Proj. 29
S09	Fort Barrette Road, Widening, Farrington Highway to Barber's Point Gate	H	L	H	H	L	M	N	N	Y	N/A	Y	Y	Y	Proj. 12
S21	Interstate Route H-1, Kapolei Interchange, Phase 2	H	L	H	H	L	M	N	N	N	N/A	Y	Y	Y	Proj. 14
S28	Interstate Route H-1, PM Contraflow, Westbound	H	L	H	H	L	M	N	N	Y	N/A	Y	N/A	Y	Proj. 19
S29	Interstate Route H-1, PM Zipper Lane, Westbound	N/A	L	H	H	L	M	N	N	Y	N/A	Y	N/A	Y	Proj. 20
S34	Interstate Route H-1, Waiiau Interchange to Halawa Interchange, Widening, Eastbound	H	L	H	H	L	L	N	N	N	N/A	Y	Y	Y	Proj. 45
S35	Interstate Route H-1, Waiawa Interchange, Westbound, Waipahu Off-Ramp Improvements	H	L	H	H	L	L	N	N	N	N/A	Y	Y	Y	Proj. 21
S48	Kalaniana'ole Highway, Improvements, Vicinity of Hawaii Kai Drive to Keahole Street	H	L	H	M	L	M	N	N	N	N/A	Y	Y	Y	Obj. 11
S80	Kamehameha Highway, Widening, Lanikuhana Avenue to Ka Uka Boulevard	H	L	H	H	L	L	Y	N	N	N/A	Y	Y	Y	Proj. 25
S90	North-South Road, Kapolei Parkway to Vicinity of H-1 Freeway, Phase II	H	L	H	H	H	H	Y	N	Y	N/A	Y	Y	Y	Proj. 28
S96	Vineyard Boulevard, Improvements, Vicinity of Queen's Medical Center	N/A	N	N/A	M	M	M	N	N	N	N/A	Y	N/A	Y	Obj. 9

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

ENHANCEMENT PROJECTS		Enhancement Program	Non-Enhancement Funding	Cost Participation	Project Stage	Gap Closure?	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses SAFETEA-LU Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency
S42	Kalaniana'ole Highway, Bicycle Improvements, Waimanalo Beach Park to Makapuu	Not rated	Not rated	L	M	N	N	N	N/A	Y	Y	Y	Obj. 15
S79	Kamehameha Highway, Wetland Enhancement, Vicinity of Ukoa Pond	Not rated	Not rated	L	M	N	Y	N	N/A	Y	Y	Y	Obj. 14
S81	Leeward Bikeway, Phase 1, Waipio Point Access Road to Hawaii Railroad Society Train Station	H	N/A	L	M	Y	N	N	N/A	Y	Y	Y	Proj. 2
S82	Leeward Bikeway, Phase 2, Hawaii Railroad Society Train Station to Lualualei Naval Road	H	N/A	L	M	Y	N	N	N/A	Y	Y	Y	Proj. 2

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

HUMAN SERVICES TRANSPORTATION PROGRAMS		Human Services Transportation Plan	Cost Participation	Project Stage	Mandated?	Transit Friendly?	Oahu Regional ITS Architecture Consistency	Addresses SAFETEA-LU Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency
	<i>No projects fall in this category.</i>										

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

TRANSIT PROJECTS		Maintains Existing System	Completes Multi-Phase Project	Enhances Hub-and Spoke System	Enhances Safety and Security	New Transit Service	Local Match In Year 1 Budget	Local Match Probable In Years 2, 3 or 4 Budget	Oahu Regional ITS Architecture Consistency	Addresses SAFETEA-LU Planning Factor(s)?	Local Match Available?	Ready-to-Go?	ORTP Consistency
C15	Alapai Transit & Joint Traffic Management Center	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Proj. 1
C16	Bus and Handi-Van Acquisition Program	Y	Y	Y	Y	N	Y	Y	N/A	Y	Y	Y	Obj. 2
C17	Honolulu High Capacity Transit Corridor Project	Y	Y	Y	Y	Y	Y	Y	N/A	Y	Y	Y	Proj. 31
C18	Intra-Island Ferry	Y	Y	Y	Y	Y	Y	Y	N/A	Y	Y	Y	Proj. 30
C19	Middle Street Intermodal Center	Y	Y	Y	Y	Y	Y	Y	N/A	Y	Y	Y	Proj. 33
C20	Preventive Maintenance	Y	N	N	Y	Y	Y	Y	N/A	Y	Y	Y	Proj. 34
C22	Transit Security Projects	Y	Y	Y	Y	N	Y	Y	N/A	Y	Y	Y	Obj. 6
C23	West Oahu Bus and Handi-Van Maintenance Facility	Y	Y	Y	Y	Y	Y	Y	N/A	Y	Y	Y	Proj. 34
C24	Windward Transit Center	Y	Y	Y	Y	Y	Y	Y	N/A	Y	Y	Y	Proj. 33

H-High, M-Medium, L-Low, N/A-Not Applicable, Y-Yes, N-No, Proj.-Project Number, Obj.-Objective Number

APPENDIX L: OAHU REGIONAL INTELLIGENT TRANSPORTATION SYSTEM ARCHITECTURE (ORITSA) CONSISTENCY

OAHU REGIONAL ITS ARCHITECTURE CONSISTENCY		
Project Description	ITS Market Package	ORITSA Initiative
S10 Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway, Phase 1B	EM1 EM2 ATMS07 ATMS08	SMT3
S11 Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway, Phase 1C	EM1 EM2 ATMS07 ATMS08	SMT3
S12 Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway, Phase 2A	EM1 EM2 ATMS07 ATMS08	SMT3
S13 Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway, Phase 2B	EM1 EM2 ATMS07 ATMS08	SMT3
S14 Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway, System Manager	All Market Packages identified in the ORITSA.	Supporting Policies (# 4.2, 4.3, 4.6, 4.7, 4.8, 4.9 in Chapter 4, Integration Strategy)
S15 Freeway Service Patrol	EM1 EM2 ATMS08	SMT3
C01 Alapai Transportation Management Center	ATIS1 EM1 EM2 ATMS07 ATMS08	ST3 SMT5 MT1 MT2 MT5
C03 Computerized Traffic Control System	ATMS07	SMT5 MT5
C11 Traffic Signal Maintenance Facility	ATMS07	Supporting Policy (#4.8 in Chapter 4, Integration Strategy)
C12 Traffic Signal Optimization	ATMS07	SMT2

OAHU REGIONAL ITS ARCHITECTURE CONSISTENCY		
Project Description	ITS Market Package	ORITSA Initiative
C15 Alapai Transportation Management Center	ATIS1 EM1 EM2 ATMS07 ATMS08	ST3 SMT5 MT1 MT2 MT5

National Architecture Market Packages included in the ORITSA:

- AD3** ITS Virtual Data Warehouse
- ATIS1** Broadcast Traveler Information
- ATMS07** Regional Traffic Control
- EM1** Emergency Response
- EM2** Emergency Routing
- ATMS08** Incident Management System

ORITSA Initiatives

- ST1** **Emergency Agency CAD Integration:** This initiative supports the ongoing integration of appropriate HPD CAD data with the HDOT and C&C DTS and DIT.
- ST2** **Traffic Volume Archive and Data Sharing:** This initiative establishes a traffic volume data archive between HDOT and DTS. The archive will be accessible to regional agencies, storing historical data only.
- ST3** **Video Integration with Emergency Response Agencies:** This initiative provides video images, streaming video, and/or control of the Hawaii DOT CCTV cameras to emergency response operations.
- ST4** **Individual Agency Information Service Provide Integration:** This initiative enhances existing and planned agency Information Service Provider functions, including integration and/or linkage of independent traveler information sources.
- SMT1** **Transit Vehicle Signal Priority Implementation:** This initiative implements bus signal priority systems at signals and on buses to reduce delay, maintain bus schedules, and promote transit use. In the short-term, systems will be installed along a few major arterials, with eventual expansion of the system occurring in the mid-term.
- SMT2** **Emergency Vehicle Signal Pre-emption Expansion:** This initiative expands the emergency vehicle signal priority systems (pre-emption) to include additional signalized intersections to enhance regional emergency response.
- SMT3** **Freeway Management System Software integration for Partner Agencies:** This initiative installs Freeway Management System “client” software to allow partner agencies to monitor HDOT’s FMS. Control and/or monitoring capabilities will be governed by interagency agreements.

ORITSA Initiatives

- SMT4 ITS Architecture Expansion:** This initiative supports the phased expansion of the regional ITS architecture.
- SMT5 Regional Telecommunications Assessment:** In support of other regional initiatives, the regional telecommunications initiative focuses on the underlying support of ITS telecommunications infrastructure needs and targets interagency center-to-center communications, and includes assessment of relevant (common) center-to-roadside and roadside-to-vehicle communications.
- MT1 Emergency Agency CAD Integration:** This initiative integrates emergency agency CAD systems in an effort to improve operations. System integration will focus on real-time sharing of incident information and vehicle location data.
- MT2 Congestion Data Integration with Emergency Agencies:** This initiative provides traffic congestion data from Oahu's traffic management agencies for integration with emergency agency CAD systems.
- MT3 Data Fusion Dissemination:** This initiative will integrate data from HDOT and DTS (includes Oahu Transit Services, Inc.) into a single-point traveler information source for broad public and private dissemination.
- MT4 Regional Archive Data Implementation:** This initiative establishes a State, and City and County data archive. The two archives will share appropriate data from their respective agencies/divisions, so that there is a common mechanism to access and archive data. The two data archives will be linked, with Memorandums of Understanding dictating how data will be shared.
- MT5 Traffic Signal Integration:** This initiative provides partner agencies with remote interfaces to the traffic signal system and associated arterial management elements (e.g., video). Control and/or monitoring capabilities will be governed by MOUs.

APPENDIX M: TITLE VI AND ENVIRONMENTAL JUSTICE COMPLIANCE

TITLE VI AND EJ COMPLIANCE	
Performance Measure	Result
Public Participation	<p>The public involvement process utilized for the FYs 2008-2011 TIP complied with Title VI and environmental justice guidelines.</p> <p>Public outreach began early in the development of the TIP and continued throughout the process.</p> <p>Through the media and mailings, a special effort was made to reach out to all interested parties, including environmental justice populations, to encourage their comments.</p>
Population Policy	The FYs 2008-2011 TIP expenditures are generally consistent with population growth projections provided by the City & County of Honolulu for the Year 2030.
Safety	<p>Projects appear to correct for higher risk in areas that historically have had a high incidence of traffic crashes.</p> <p>Block groups that are designated as EJ have a higher percentage of safety projects either contained within them, or traversing through them than those that are designated as non-EJ.</p>
Equity	EJ-designated block groups receive about 13% more per capita of TIP expenditures than non-EJ block groups. This is comparable and indicates a relatively fair distribution between EJ and non-EJ block groups.

APPENDIX N: CONGESTION MANAGEMENT PROCESS PRIORITIZED PROJECT LISTS

RANKED LIST OF HIGHWAY PROJECTS

Rank	Project Number	Project Name
1	S34	Interstate Route H-1, Waiiau Interchange to Halawa Interchange, Widening, Eastbound
2	S90	North-South Road, Kapolei Parkway to Vicinity of H-1 Freeway, Phase II
3 (tie)	S09	Fort Barrette Road, Widening, Farrington Highway to Barber's Point Gate
	S35	Interstate Route H-1, Waiawa Interchange, Westbound, Waipahu Off-Ramp Improvements ¹
	S80	Kamehameha Highway, Widening, Lanikuhana Avenue to Ka Uka Boulevard
4 (tie)	S21	Interstate Route H-1, Kapolei Interchange, Phase 2
	S48	Kalaniana'ole Highway, Improvements, Vicinity of Hawaii Kai Drive to Keahole Street
	C06	Makakilo Drive Extension
5	S28	Interstate Route H-1, PM Contraflow, Westbound*

RANKED LIST OF TRANSIT PROJECTS

Rank	Project Number	Project Name
1	C17	Honolulu High Capacity Transit Corridor Project
2	C18	Intra-Island Ferry

¹ The Congestion Management Process uses the OahuMPO travel forecasting model to forecast the impact of projects in the *AM peak period*.

