

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL FISCAL YEARS 2015 – 2018



Oahu MPO

REVISION 18

Pre-Approved Administrative Modifications

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL FISCAL YEARS 2015 - 2018

Revision 18

December 2017



Oahu Metropolitan Planning Organization
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ACRONYMS & ABBREVIATIONS

OVERALL ACRONYMS

3-C	Continuing, Cooperative, Comprehensive	MAP-21	Moving Ahead for Progress in the 21 st Century [P.L. 112-141, 2012]
ADA	Americans with Disabilities Act	MOA	Memorandum of Agreement
APE	Area of Potential Effect	NEPA	National Environmental Policy Act
CAC	OahuMPO Citizen Advisory Committee	NHPA	National Historic Preservation Act
CATEX	Categorical Exclusion	NTD	National Transit Database
CFR	Code of Federal Regulations	OahuMPO	Oahu Metropolitan Planning Organization
CCTV	Closed-circuit television	ORTP	OahuMPO Oahu Regional Transportation Plan
CMP	OahuMPO Congestion Management Process	OWP	OahuMPO Overall Work Plan
DTS	City and County of Honolulu Department of Transportation Services	PB	OahuMPO Policy Board (formerly Committee)
EJ	Environmental Justice	SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity Act – A Legacy for Users [P.L. 109-59, 2005]
FAST	Fixing America’s Surface Transportation Act [P.L. 114-96, 2015]	SMP	Special Maintenance Program
FMCSA	USDOT Federal Motor Carrier Safety Administration	SOGR	State of Good Repair
FHWA	USDOT Federal Highway Administration	STIC	Small Transit Intensive Cities
FTA	USDOT Federal Transit Administration	STIP	Statewide Transportation Improvement Program
FFY	Federal Fiscal Year (October 1-September 30)	TAC	OahuMPO Technical Advisory Committee
HART	Honolulu Authority for Rapid Transportation	TIP	Transportation Improvement Program
HDOT	Hawaii Department of Transportation	T6	Title VI of the Civil Rights Act of 1964
HR	House Report	U.S.C.	United States Code
ITS	OahuMPO Intelligent Transportation System	UZA	Urbanized Areas

PROJECT LISTING ABBREVIATIONS

FHWA Funding Categories

Bridge Off	Bridge Off-System
Bridge On	Bridge On-System
CMAQ	Congestion Mitigation and Air Quality Program
Discret	Discretionary Funds
Enhance	Transportation Enhancement Program
FHWA X-fer	FHWA transfer from FTA
IM	Interstate Maintenance
NHPP	National Highway Performance Program
NHS	National Highway System
HSIP	Highway Safety Improvement Program
RTP	Recreational Trails Program
STP (Flex)	Surface Transportation Program (Flexible)
TAP	Transportation Alternatives Program
TAP-U	Transportation Alternatives Program for Urbanized Areas

FTA Funding Categories

§5307	Urbanized Area Formula
§5309 FGM	Fixed Guideway Modernization
§5309 NS	New Starts
§5310	Enhanced Mobility
§5337	State of Good Repair
§5339	Bus and Bus Facilities
§5340	Growing States and High-Density States Formula

Local Funding Category

Local Only	Locally-Funded
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Project Phases (Chronological Order)

PLN	Planning
PE1	Preliminary Design, including NEPA
DES	Design
PE2	Final Design
EQP	Equipment
PREROW	Pre-Right-of-Way
ROW	Right-of-Way
ADVCON	Advance Construction Reimbursement
REL	Utility Relocation
CON	Construction
OPR	Operations
INSP	Inspection

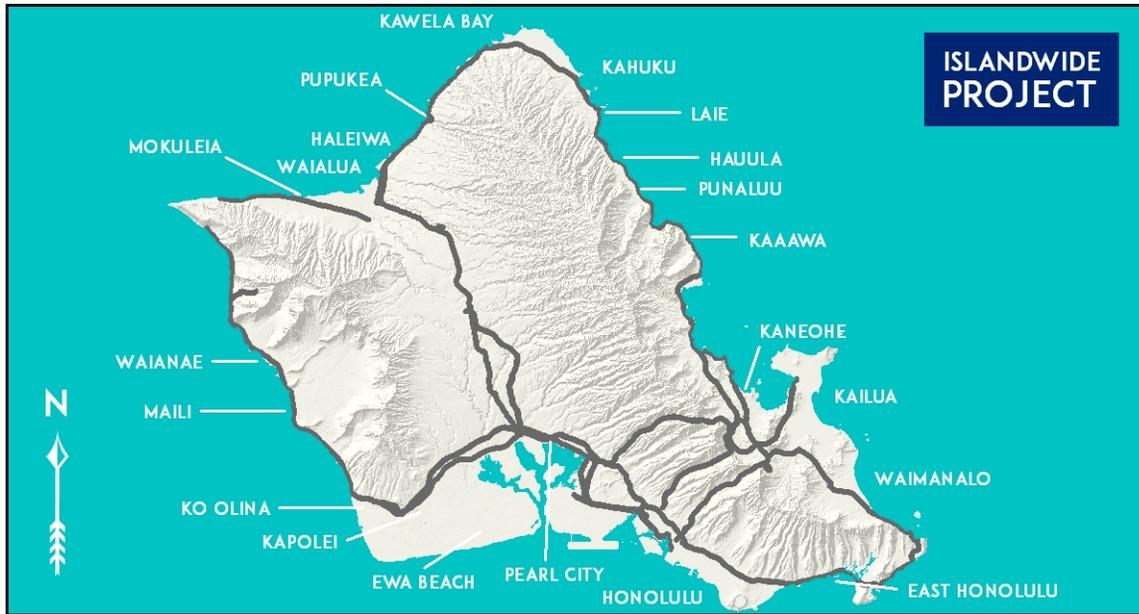
PROJECT LISTING for REVISION 18

This revision consists of administrative modifications that the OahuMPO Policy Board has pre-approved. Refer to the Appendix for additional details.

PROJECT NUMBER	PROJECT NAME <i>(Sorted by Project Name)</i>	REVISION DETAILS	PAGE
Federal Highway Administration (FHWA) - Funded Projects			
Oahu State (OS) of Hawaii - Sponsored Projects			
OS1	Bridge and Pavement Improvement Program, Oahu	Request to adjust ADVCON conversions to reflect cash flow needs (A.3).	10
OS4	Farrington Highway (Route 93), Bridge Replacement, Makaha Bridges #3 and #3A	Request to defer and inflate; Plan Specification and Estimate (PS&E) will not be completed in time; Ready To Advertise (RTA) anticipated for June 2020 (A.2).	12
OS5	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78)	Request to adjust ADVCON conversions to reflect cash flow needs (A.3). Request to defer and inflate; PE1 anticipated to start in March 2018, will not be completed in time for 2019 PE2 (A.2).	14
OS20	Interstate Route H-1 Safety Improvement, Beginning of H-1 (Palailai IC) to Waiawa Overpass	Request to defer and inflate; PE contract was just executed and CON is not yet ready to begin (A.2).	16
OS16	Interstate Route H-1, Highway Lighting Improvements, Kaimakani OP to Middle Street	Request to adjust ADVCON conversions to reflect cash flow needs (A.3).	17
OS17	Interstate Route H-1, Kapolei Interchange Complex	Request to extend Phase 2 ADVCON to 2018 (A.3). Request to delete Phase 3 ROW; DES complete, but ROW and CON need to be deferred with an anticipated reprioritization of Phase 3 programmed funding (A.7).	18
OS67	Interstate Route H-1, Reconstruction and Repair, Eastbound Waimalu Interchange to Halawa	Request to adjust PE2/CON estimates to current needs (A.3). Request to readjust ADVCON to meet current cash flow (A.3).	19
OS12	Interstate Routes H-1, H-2, and H-201 Destination Sign Upgrade and Replacement	Request to adjust ADVCON amounts, deferring some funding out of the 4-year window to reflect current cash flow needs (A.3).	20
OS61	Kamehameha Highway (Route 83), Bridge Replacement: Vicinity of Kawailoa Beach	Request to restructure ADVCON, and include FA in 2018. Change to PREROW activities, ROW acquisition to be deferred (A.3).	21
OS34	Kamehameha Highway (Route 83), Bridge Replacement: Waiahole Bridge	Request to defer and increase CON estimate, with a project NEPA completion date of May 2019; and updated RTA of August 2020 (A.6).	22
OS35	Kamehameha Highway (Route 83), Bridge Replacement: Waikane Stream Bridge	Request to increase cost estimates which are entirely in illustrative years (A.6).	23
OS36	Kamehameha Highway (Route 83), Bridge Replacement: Waipilopilo Stream Bridge	Request to defer CON out of 6-year TIP window, with an updated RTA of July 2021, to be programmed in next 4-year TIP (A.2).	24

PROJECT NUMBER	PROJECT NAME <i>(Sorted by Project Name)</i>	REVISION DETAILS	PAGE
Federal Highway Administration (FHWA) - Funded Projects			
Oahu State (OS) of Hawaii - Sponsored Projects			
OS41	Kamehameha Highway (Route 83), Wetland Enhancement: Vicinity of Ukoa Pond	Request to restructure ADVCON, include FA in 2018 (A.3).	25
OS44	Moanalua Freeway (Route 78) and Interstate Route H-2, Guardrail and Shoulder Improvements	Request to identify current programmed funding as Phase 1. A Phase 2 will later be prioritized and programmed (A.3).	26
Federal Transit Administration (FTA) - Funded Projects			
Oahu State (OS) of Hawaii - Sponsored Projects			
OS68	HDOT State Safety Oversight Program	Request to adjust estimates base on new revenue projections (A.11).	27
Federal Highway Administration (FHWA) - Funded Projects			
Oahu City (OC) and County of Honolulu - Sponsored Projects			
OC1	Alapai Transportation Management Center	Request to revise programmed OPR and EQP amounts within project phases (A.11).	29
OC4	Computerized Traffic Control System	Request to delete Phase 14, redescribe Phase 15 as "Nanakuli" and advance PE1, to redescribe Phase 16 as "Waianae" and advance PE1 (A.5).	30
OC10	Traffic Signals at Various Locations	Request to defer project Phases 20-21 outside of the TIP 4-year window (A.11).	32
OC26	Transportation Alternatives Program (State)	Request to withdraw project Phase 2 (A.7).	34
OC25	Transportation Alternatives Program (MPO)	Request to defer Phase 3 funding by one year (A.2). Request to enhance Phase 4 funding	35
Federal Transit Administration (FTA) - Funded Projects			
Oahu City (OC) and County of Honolulu - Sponsored Projects			
OC14	Bus Stop ADA Access and Site Improvements	Request to revise DES project costs; request to revise CON costs and defer funding (A.5).	37
OC16	Honolulu Rail Transit Project	Request to move FFY 17 funding to FFY 18 and to modify local share of OS64 using sliding scale and full federal reimbursement of traffic signal projects. Also updating total project costs to reflect current estimates with no change in federal share (A.2).	38
OC21	Transit Safety and Security Projects	Request to defer all FFY 2017 EQP funding to 20FFY 18 (A.5).	40
NUMBER OF PROJECTS BEING REVISED IN REVISION 18:		PERCENTAGE OF TOTAL TIP PROJECTS REVISED IN REVISION 18:	
23		28%	

OS1 Bridge and Pavement Improvement Program



TIP Revision 18 Details:

Request to adjust ADVCON conversions to reflect cash flow needs (A.3).

Project Description:

This is an ongoing islandwide program for the system maintenance of highway bridges and pavements. The Special Maintenance Program (SMP) is a program that funds individual repair or maintenance projects that do not normally occur annually. SMP funds have funded resurfacing, pavement, and bridge preservation projects (System Preservation). Work may include bridge and/or pavement reconstruction, resurfacing, restoration, rehabilitation, and/or preservation. Yearly lump sum amounts represent total SMP State funding levels anticipated for the Oahu program. The current list of prioritized proposed SMP projects, for Oahu, has been posted on the OahuMPO website at: <http://www.oahumpo.org/plans-and-programs/transportation-improvement-program-tip/>. Qualified and priority SMP projects could receive federal funds should they become available.

Project Website: <http://hidot.hawaii.gov/highways/other/other-related-links/stip/> and <http://www.oahumpo.org/plans-and-programs/transportation-improvement-program-tip/>

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$237,800,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

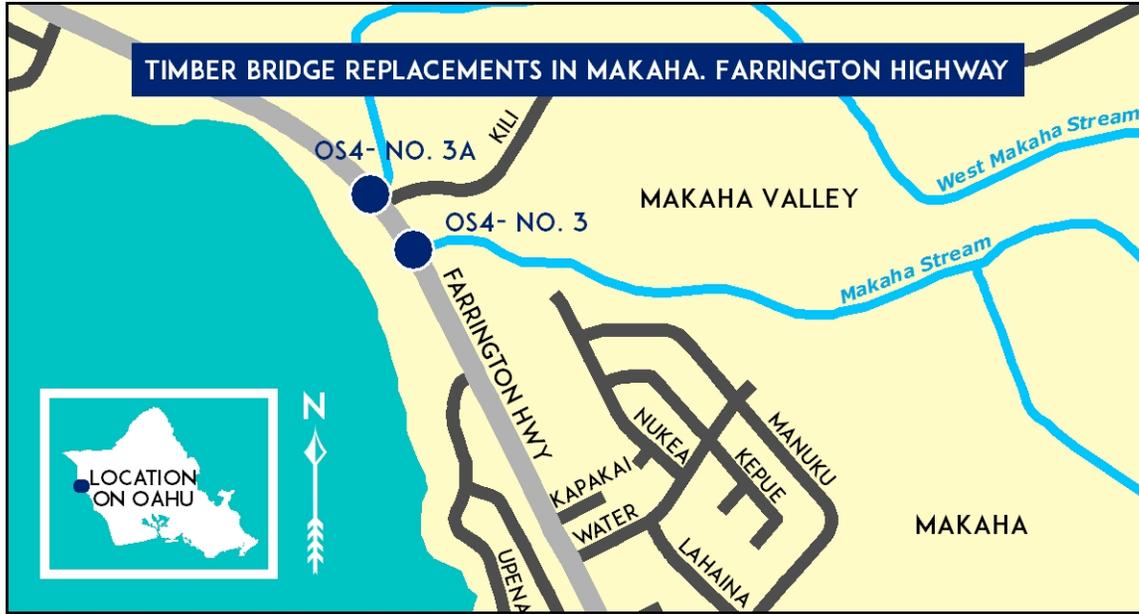
Agency Responsible for Carrying Out Project/Phase:
Hawaii Department of Transportation

OS1 Bridge and Pavement Improvement Program

All values are in thousands of dollars USD (x1000).

Phase	TRANSPORTATION IMPROVEMENT PROGRAM (TIP)												FOR INFORMATION ONLY						Funding Category	
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020				
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local		
<i>Bridge and Pavement Improvement Program, Oahu</i>																				
CON	20,584	0	20,584	33,200	0	33,200	25,400	0	25,400	36,400	0	36,400	36,400	0	36,400	36,400	0	36,400	Local Only	
<i>Farrington Highway (Route 93) Resurfacing Kili Street to Satellite Tracking Station</i>																				
CON	0	0	0	16,000	12,800	3,200	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
<i>Kalihi Street (Route 63) Resurfacing: Nimitz Highway to School Street (MP 0 - 1.15)</i>																				
CON	0	0	0	0	0	0	9,000	1,300	7,700	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	3,900	-3,900	0	2,000	-2,000	0	0	0	0	NHPP
<i>Kamehameha Highway (Route 83) Resurfacing. Dairy Road to Laiwai Bridge, MP 9.72 to MP 17.66</i>																				
CON	14,551	1,835	12,716	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	10,000	-10,000	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
<i>Likelike Highway (Route 63) Resurfacing School Street to Emmeline Place</i>																				
CON	17,700	14,600	3,100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
<i>Mokapu Saddle Road Resurfacing, Nanamoana Street to Oneawa Street</i>																				
CON	0	0	0	0	0	0	10,000	8,000	2,000	0	0	0	0	0	0	0	0	0	0	NHPP

OS4 Farrington Highway (Route 93), Bridge Replacement, Makaha Bridges #3 & #3A



TIP Revision 18 Details:

Request to defer and inflate; Plan Specification and Estimate (PS&E) will not be completed in time; Ready To Advertise (RTA) anticipated for June 2020 (A.2).

Project Description:

Replace two timber bridges in the vicinity of Makaha Beach Park. For both bridges, the scope includes widening the paved shoulders on the makai side from 3 feet to 10 feet; and, widening the mauka side from 1 foot to 10 feet. This is to accommodate bicyclists and pedestrians.

Project Website: None

Neighborhood(s): Waianae Coast

Estimated Total Project Cost: \$25,200,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

All values are in thousands of dollars USD (x1000).

Phase	TRANSPORTATION IMPROVEMENT PROGRAM (TIP)												FOR INFORMATION ONLY						Funding Category
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020			
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	
ROW	0	0	0	0	0	0	0	0	0	1,170	936	234	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22,200	7,760	14,440	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP

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OS5 Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Route H-201 & 78)



TIP Revision 18 Details:

Request to adjust ADVCON conversions to reflect cash flow needs (A.3). Request to defer and inflate; PE1 anticipated to start in March 2018, will not be completed in time for 2019 PE2 (A.2).

Project Description:

The project consists of the installation of closed-circuit television (CCTV) cameras, vehicle detectors, cabinets, and communication equipment on the Interstate H-1, H-2, and Moanalua Freeway. Minor interior modifications of the Interstate Route H-3 Control Center will also be done to accommodate system improvements. This project will be implemented in phases.

The Freeway Management System's System Manager will assist the State with managing and guiding the Intelligent Transportation System (ITS) program. This includes software development, equipment procurement assistance, acceptance testing, performance monitoring, and strategic planning.

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$200,000,000

(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:

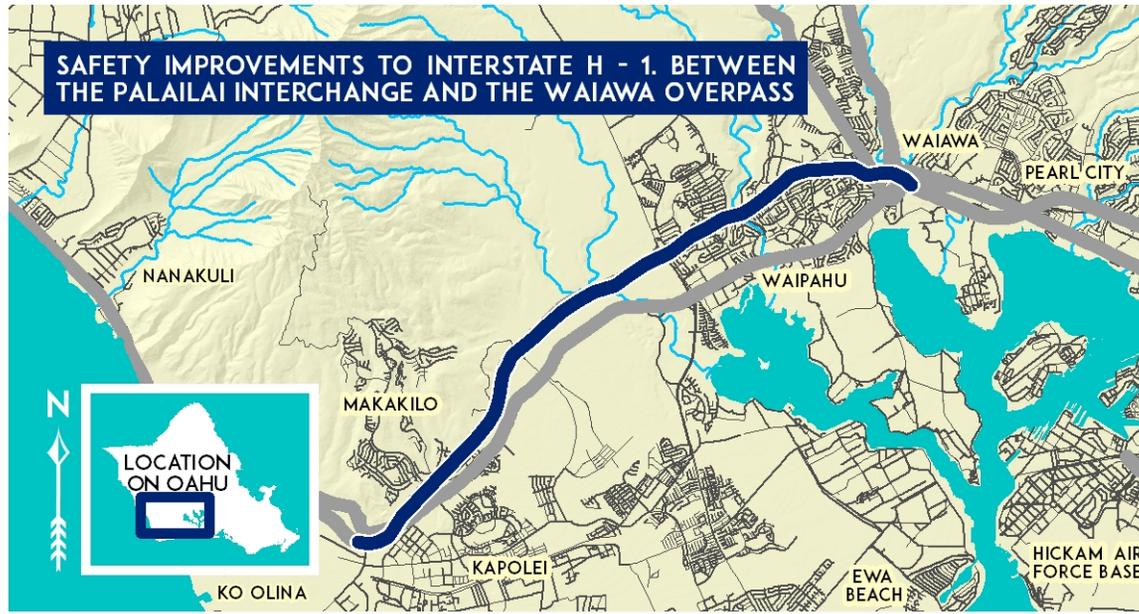
Hawaii Department of Transportation

OS5 Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Route H-201 & 78)

All values are in thousands of dollars USD (x1000).

Phase	TRANSPORTATION IMPROVEMENT PROGRAM (TIP)												FOR INFORMATION ONLY						Funding Category	
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020				
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local		
<i>Phase 1C - Part 2</i>																				
ADVCON	0	5,000	-5,000	0	1,200	-1,200	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
<i>Phase 1C - Part 3</i>																				
CON	0	0	0	5,100	4,080	1,020	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
<i>Phase 2A</i>																				
CON	0	0	0	0	0	0	0	0	0	10,200	200	10,000	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	4,960	-4,960	0	3,000	-3,000	0	NHPP
<i>Phase 3</i>																				
PE1	0	0	0	0	0	0	0	0	0	1,380	1,104	276	0	0	0	0	0	0	0	NHPP
PE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	740	592	148	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
<i>System Manager</i>																				
OPR	0	0	0	2,020	1,616	404	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP

OS20 Interstate Route H-1 Safety Improvement, Beginning of H-1 (Palailai Interchange) to Waiawa Overpass



TIP Revision 18 Details:

Request to defer and inflate; PE contract was just executed and CON is not yet ready to begin (A.2).

Project Description:

Scope includes, but is not limited to: Installation of milled rumble strips on shoulders; reconstruction of paved shoulders; pavement markings; and signing.

Project Website: None

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

Estimated Total Project Cost: \$4,500,000

(May include project costs outside of the 4-year TIP and 2 informational years.)

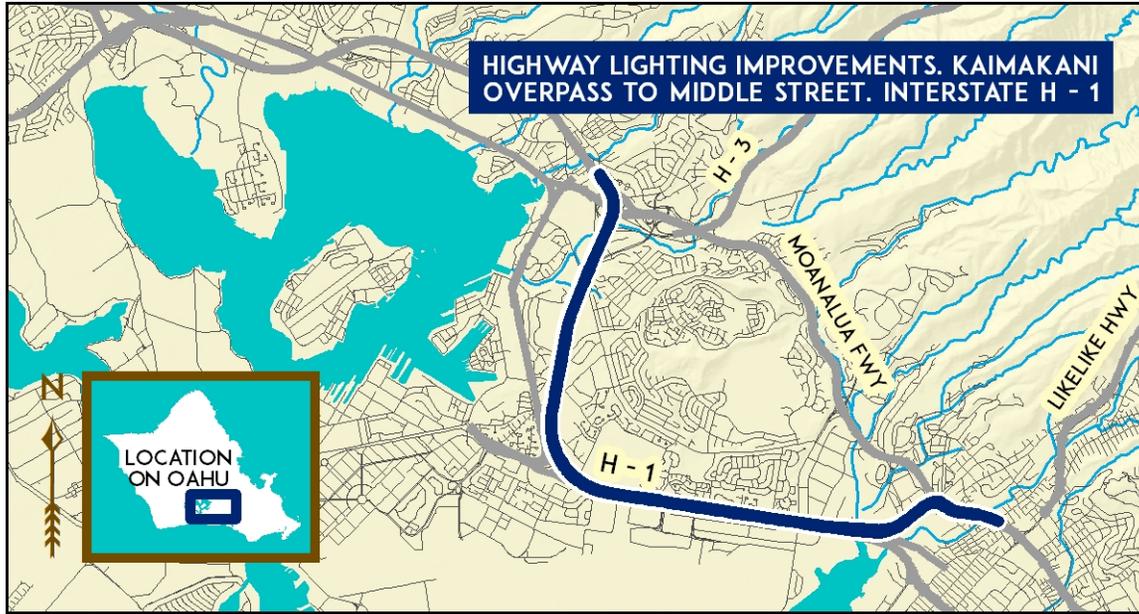
Project Sponsor: State of Hawaii (FHWA Funded)

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

All values are in thousands of dollars USD (x1000).

Phase	TRANSPORTATION IMPROVEMENT PROGRAM (TIP)												FOR INFORMATION ONLY						Funding Category
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020			
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	
CON	0	0	0	0	0	0	0	0	0	4,120	296	3,824	0	0	0	0	0	0	HSIP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	3,000	-3,000	0	0	0	HSIP

OS16 Interstate Route H-1, Highway Lighting Improvements, Kaimakani Overpass to Middle Street, Phase I



TIP Revision 18 Details:

Request to adjust ADVCON conversions to reflect cash flow needs (A.3).

Project Description:

Upgrade/replace existing freeway lighting. Phase 1 will cover improvements from Kaimakani Overpass (milepost 12.83) to the Airport Interchange (milepost 16.00), approximately. A future Phase 2 will cover improvements for the remainder of the limits from approximately the Airport Interchange (milepost 16.00) to Middle Street.

Project Website: None

Neighborhood(s): Aiea, Airport, Kalihi-Palama, Aliamanu-Salt Lake-Foster Village

Estimated Total Project Cost: \$15,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

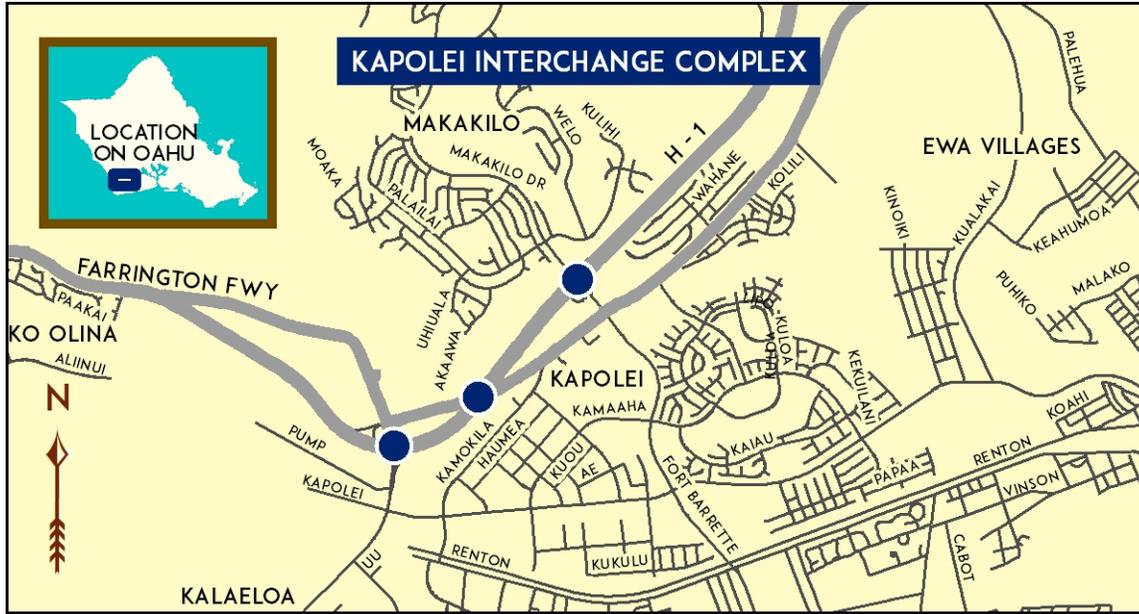
Project Sponsor: State of Hawaii (FHWA Funded)

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

All values are in thousands of dollars USD (x1000).

Phase	TRANSPORTATION IMPROVEMENT PROGRAM (TIP)												FOR INFORMATION ONLY						Funding Category
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020			
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	
<i>Phase 1</i>																			
CON	0	0	0	0	0	0	0	0	0	7,446	100	7,346	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	3,857	-3,857	0	2,000	-2,000	NHPP

OS17 Interstate Route H-1, Kapolei Interchange Complex



TIP Revision 18 Details:

Request to extend Phase 2 ADVCON to 2018 (A.3). Request to delete Phase 3 ROW; DES complete, but ROW and CON need to be deferred with an anticipated reprioritization of Phase 3 programmed funding (A.7).

Project Description:

Phase 2 will complete the construction of the Wakea Street Separation and its associated ramps. Phases 3 and 4 involve completing the Kapolei Interchange Complex, including completing construction of the Palailai and Makakilo Interchanges.

Project Website: None

Neighborhood(s): Makakilo-Kapolei-Honokai Hale

Estimated Total Project Cost: \$139,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

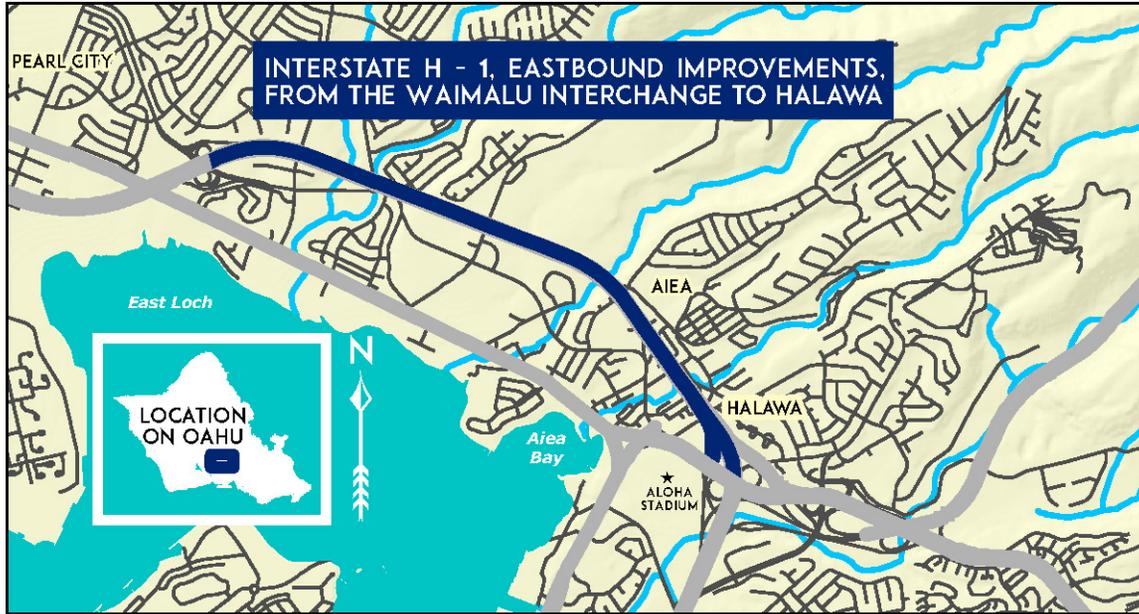
Project Sponsor: State of Hawaii (FHWA Funded)

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

All values are in thousands of dollars USD (x1000).

Phase	TRANSPORTATION IMPROVEMENT PROGRAM (TIP)												FOR INFORMATION ONLY						Funding Category	
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020				
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local		
Phase 2																				
CON	4,800	4,300	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	IM Discret
CON	65,500	41,200	24,300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	3,000	-3,000	0	4,400	-4,400	0	10,600	-10,600	0	0	0	0	0	0	0	NHPP
Phase 3																				
DES	0	0	0	571	0	571	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ROW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP

OS67 Interstate Route H-1, Eastbound, Reconstruction and Repair, Waimalu Interchange to Halawa



TIP Revision 18 Details:

Request to adjust PE2/CON estimates to current needs (A.3).
Request to readjust ADVCON to meet current cash flow (A.3).

Project Description:

Rehabilitate or reconstruct Portland concrete pavement. Widen to improve shoulders and travelway.

Project Website: None

Neighborhood(s): Pearl City, Aiea

Estimated Total Project Cost: \$93,000,000

(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

All values are in thousands of dollars USD (x1000).

Phase	TRANSPORTATION IMPROVEMENT PROGRAM (TIP)												FOR INFORMATION ONLY						Funding Category	
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020				
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local		
PE2/CON	0	0	0	0	0	0	90,500	13,000	77,500	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	14,400	-14,400	0	24,000	-24,000	0	20,000	-20,000	NHPP	

OS12 Interstate Routes H-1, H-2, and H-201 Destination Sign Upgrade and Replacement



TIP Revision 18 Details:

Request to adjust ADVCON amounts, deferring some funding out of the 4-year window to reflect current cash flow needs (A.3).

Project Description:

Replace and/or upgrade the existing destination signs and sign support structures on Interstate Routes H-1, H-2, and H-201.

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$17,000,000

(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:

Hawaii Department of Transportation

All values are in thousands of dollars USD (x1000).

Phase	TRANSPORTATION IMPROVEMENT PROGRAM (TIP)												FOR INFORMATION ONLY						Funding Category	
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020				
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local		
<i>Phase 2</i>																				
CON	0	0	0	0	0	0	7,140	2,712	4,428	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	2,000	-2,000	0	1,000	-1,000	0	0	0	NHPP
<i>Phase 3</i>																				
DES	0	0	0	554	499	55	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	6,000	5,400	600	0	0	0	NHPP

OS61 Kamehameha Highway (Route 83), Realignment, Vicinity of Kawaihoa Beach



TIP Revision 18 Details:

Request to restructure ADVCON, and include FA in 2018. Change to PREROW activities, ROW acquisition to be deferred (A.3).

Project Description:

Realign a portion of Kamehameha Highway, on the North Shore. The project proposes to construct a realignment of Kamehameha Highway, from Haleiwa to the vicinity of Waimea Bay to address safety issues that revolve around use of the beach.

Project Website: None

Neighborhood(s): North Shore

Estimated Total Project Cost: \$39,000,000

(May include project costs outside of the 4-year TIP and 2 informational years.)

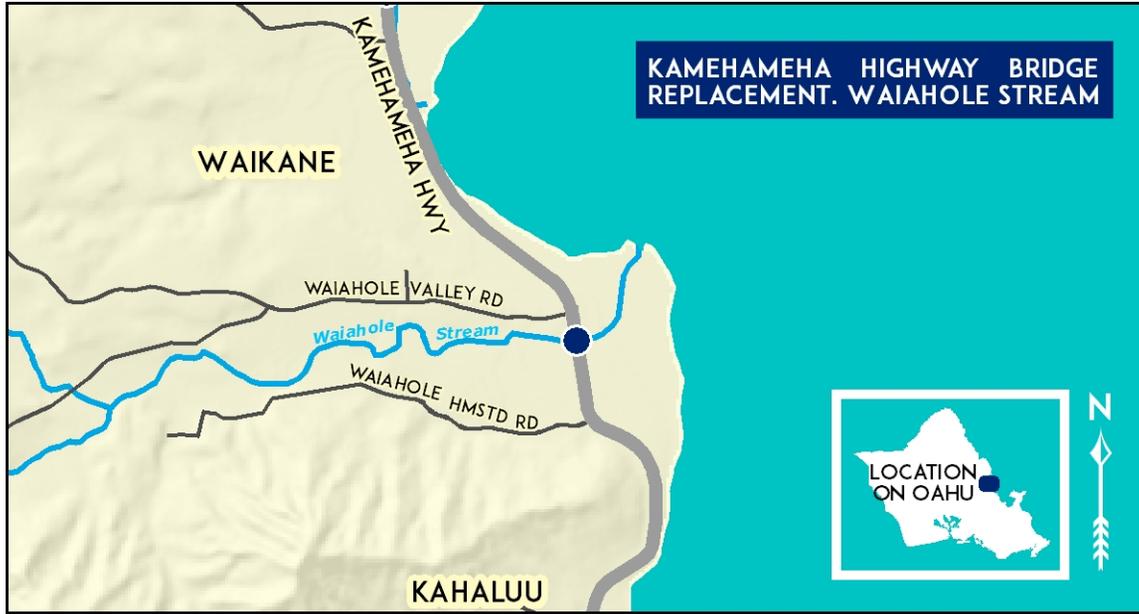
Project Sponsor: State of Hawaii (FHWA Funded)

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

All values are in thousands of dollars USD (x1000).

Phase	TRANSPORTATION IMPROVEMENT PROGRAM (TIP)												FOR INFORMATION ONLY						Funding Category
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020			
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	
PE2	0	0	0	0	0	0	0	0	0	2,900	100	2,800	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	2,220	-2,220	0	0	0	NHPP
PREROW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	40	10	NHPP

OS34 Kamehameha Highway (Route 83), Bridge Replacement, Waiahole Bridge



TIP Revision 18 Details:

Request to defer and increase CON estimate, with a project NEPA completion date of May 2019; and updated RTA of August 2020 (A.6).

Project Description:

Replace the existing concrete structure on Kamehameha Highway. Bicycle and pedestrian facilities will be included when feasible.

Project Website: None

Neighborhood(s): Kahaluu

Estimated Total Project Cost: \$16,000,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

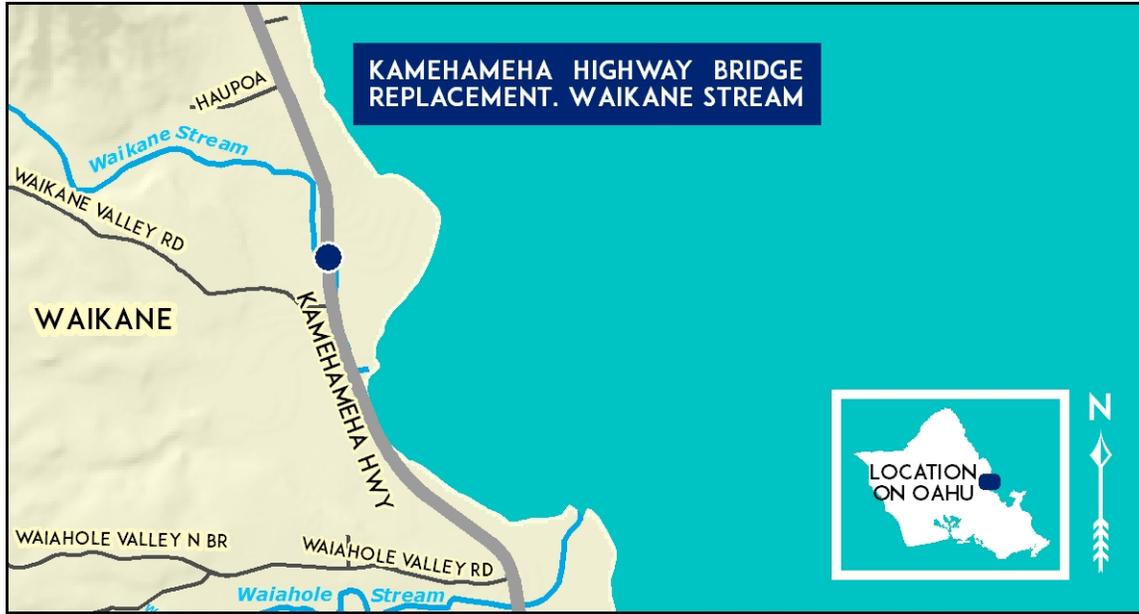
Project Sponsor: State of Hawaii (FHWA Funded)

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

All values are in thousands of dollars USD (x1000).

Phase	TRANSPORTATION IMPROVEMENT PROGRAM (TIP)												FOR INFORMATION ONLY						Funding Category
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020			
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	
ROW	0	0	0	0	0	0	0	0	0	0	0	0	585	468	117	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15,000	4,000	11,000	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP

OS35 Kamehameha Highway (Route 83), Bridge Replacement, Waikane Stream Bridge



TIP Revision 18 Details:

Request to increase cost estimates which are entirely in illustrative years (A.6).

Project Description:

Replace the existing 44-foot long bridge on Kamehameha Highway with a wider and stronger bridge to meet current State standards.

Project Website: None

Neighborhood(s): Kahaluu

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

(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:

Hawaii Department of Transportation

All values are in thousands of dollars USD (x1000).

Phase	TRANSPORTATION IMPROVEMENT PROGRAM (TIP)												FOR INFORMATION ONLY						Funding Category
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020			
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	
ROW	0	0	0	0	0	0	0	0	0	0	0	0	281	225	56	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11,000	2,800	8,200	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP

OS36 Kamehameha Highway (Route 83), Bridge Replacement, Waipilopilo Stream Bridge



TIP Revision 18 Details:

Request to defer CON out of 6-year TIP window, with an updated RTA of July 2021, to be programmed in next 4-year TIP (A.2).

Project Description:

Replace the existing concrete T-bridge on Kamehameha Highway in the vicinity of Hauula.

Project Website: None

Neighborhood(s): Koolauloa

Estimated Total Project Cost: \$11,300,000

(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

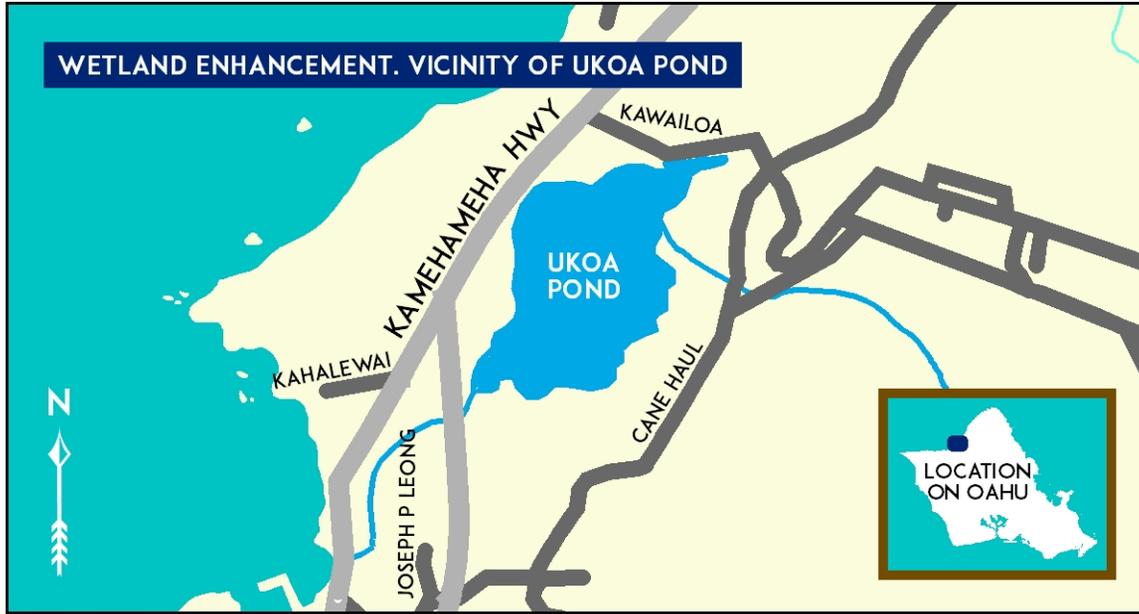
Agency Responsible for Carrying Out Project/Phase:

Hawaii Department of Transportation

All values are in thousands of dollars USD (x1000).

Phase	TRANSPORTATION IMPROVEMENT PROGRAM (TIP)												FOR INFORMATION ONLY						Funding Category
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020			
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	
ROW	0	0	0	0	0	0	0	0	0	1,020	816	204	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP

OS41 Kamehameha Highway (Route 83) Wetland Enhancement, Vicinity of Ukoa Pond



TIP Revision 18 Details:

Request to restructure ADVCON, include FA in 2018 (A.3).

Project Description:

Enhance wetlands along Kamehameha Highway (Route 83) near Ukoa Pond as a mitigation for previous impacts and wetland banking for future use. This is a wetland mitigation project on the North Shore that is related to the construction of the Haleiwa Bypass Road.

Project Website: None

Neighborhood(s): North Shore

Estimated Total Project Cost: \$7,700,000

(May include project costs outside of the 4-year TIP and 2 informational years.)

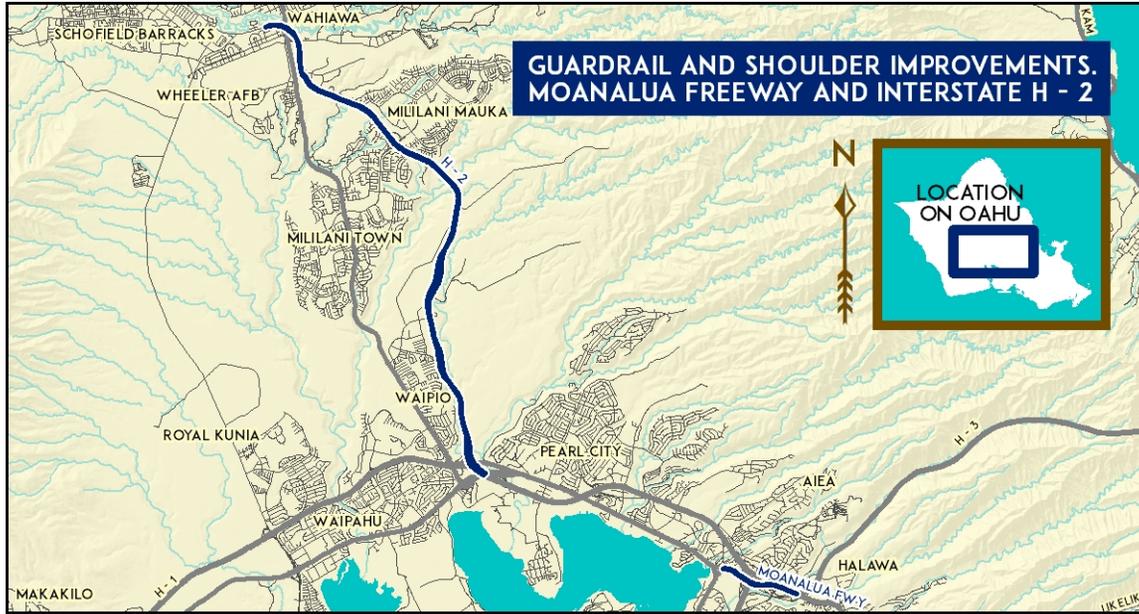
Project Sponsor: State of Hawaii (FHWA Funded)

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

All values are in thousands of dollars USD (x1000).

Phase	TRANSPORTATION IMPROVEMENT PROGRAM (TIP)												FOR INFORMATION ONLY						Funding Category
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020			
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	
CON	0	0	0	0	0	0	0	0	0	6,500	100	6,400	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	5,100	-5,100	0	0	0	NHPP

OS44 Moanalua Freeway (Route 78) and Interstate Route H-2, Guardrail and Shoulder Improvements



TIP Revision 18 Details:

Request to identify current programmed funding as Phase 1. A Phase 2 will later be prioritized and programmed (A.3).

Project Description:

Install and/or upgrade the existing guardrails. Reconstruct and pave road shoulders.

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$5,000,000

(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

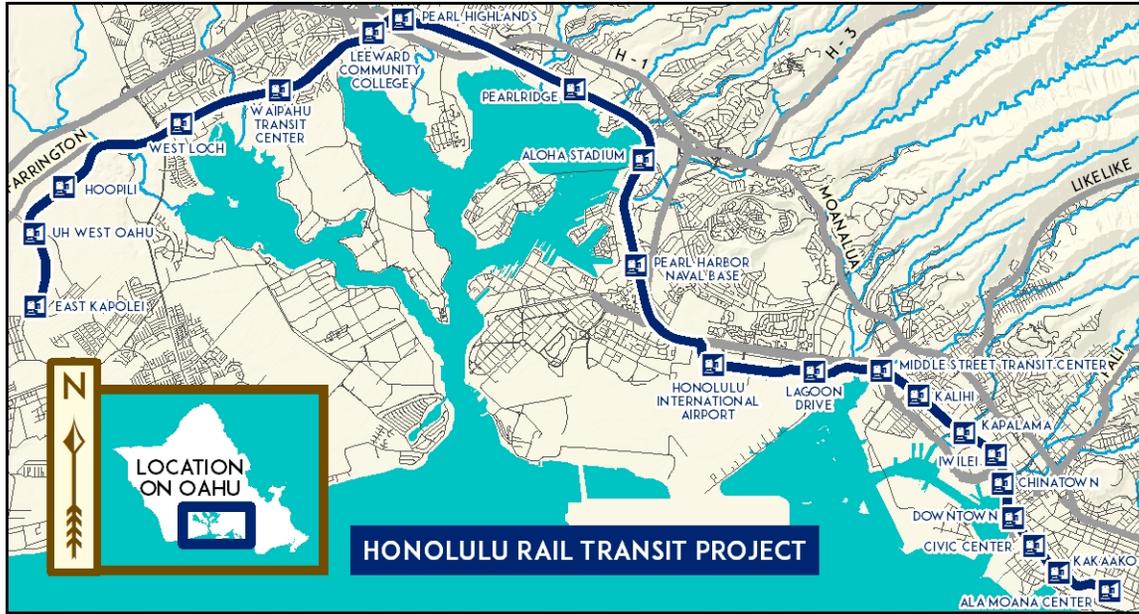
Agency Responsible for Carrying Out Project/Phase:

Hawaii Department of Transportation

All values are in thousands of dollars USD (x1000).

Phase	TRANSPORTATION IMPROVEMENT PROGRAM (TIP)												FOR INFORMATION ONLY						Funding Category	
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020				
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local		
CON	0	0	0	0	0	0	4,400	0	4,400	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	3,520	-3,520	0	0	0	0	0	0	0	NHPP

OS68 State Safety Oversight Program



TIP Revision 18 Details:

Request to adjust estimates base on new revenue projections (A.11).

Project Description:

Provide operational resources for the State Safety Oversight Program administered by the (HDOT) Rail Transit Safety Office and will implement 49 CFR Part 674 State Safety Oversight Final Rule.

Project Website: None

Neighborhood(s): Islandwide

Estimated Total Project Cost: \$1,745,000

(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FTA Funded)

Agency Responsible for Carrying Out Project/Phase:

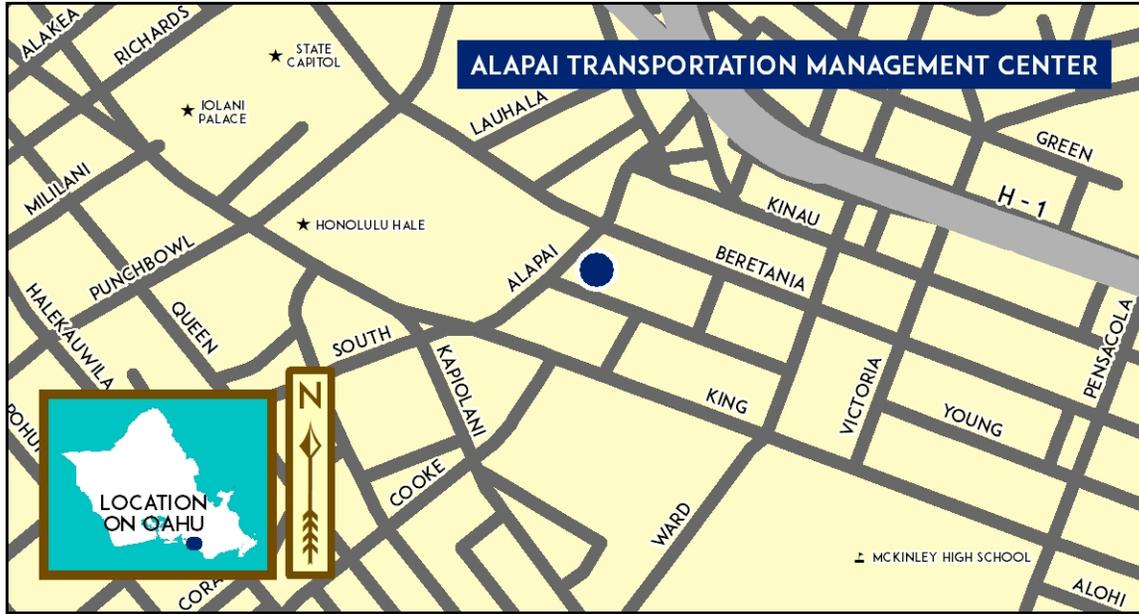
Hawaii Department of Transportation

All values are in thousands of dollars USD (x1000).

Phase	TRANSPORTATION IMPROVEMENT PROGRAM (TIP)												FOR INFORMATION ONLY						Funding Category
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020			
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	
OPR	0	0	0	0	0	0	875	700	175	281	225	56	290	232	58	299	239	60	\$5329

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OC1 Alapai Transportation Management Center



TIP Revision 18 Details:

Request to revise programmed OPR and EQP amounts within project phases (A.11).

Project Description:

The transportation management center will be a joint communication center to be built next to the Alapai Transit Center. The center will facilitate active traffic management through co-location and information sharing by City and State traffic management operations and the City's emergency response agencies.

Project Website: None

Neighborhood(s): Ala Moana-Kakaako

Estimated Total Project Cost: \$97,813,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

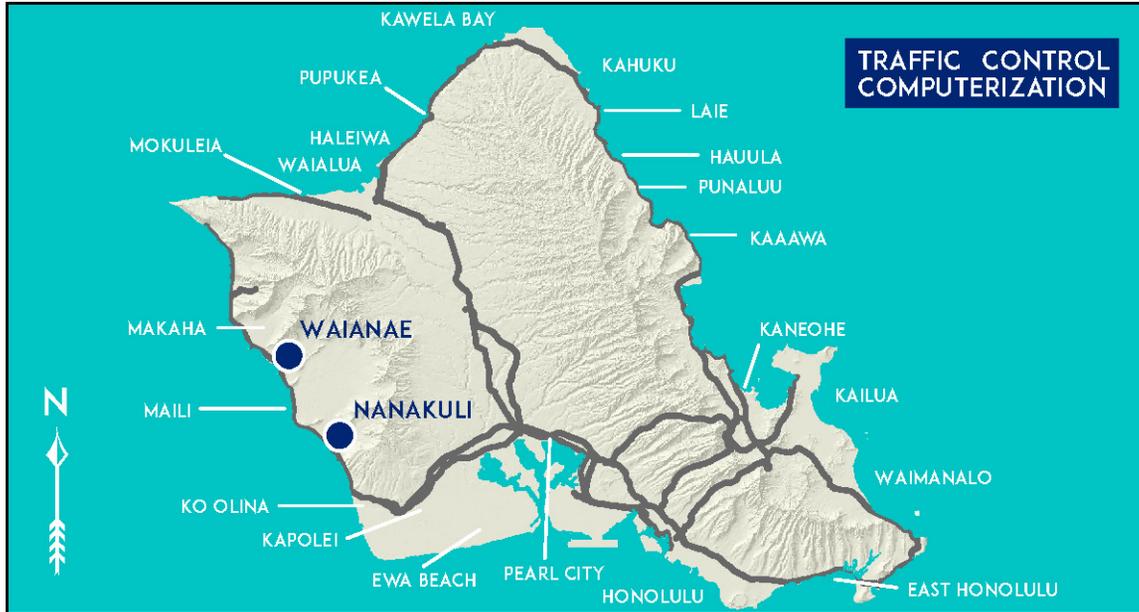
Project Sponsor: City and County of Honolulu (FHWA Funded)

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

All values are in thousands of dollars USD (x1000).

Phase	TRANSPORTATION IMPROVEMENT PROGRAM (TIP)												FOR INFORMATION ONLY						Funding Category	
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020				
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local		
DES	1	0	1	6	1	5	10	0	10	0	0	0	0	0	0	0	0	0	0	Local Only
CON	23,770	0	23,770	23,373	0	23,373	25	0	25	0	0	0	0	0	0	0	0	0	0	STP Flex
ADVCON	0	12,674	-12,674	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
ADVCON	0	0	0	0	0	-16,000	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
EQP	1	0	1	1,700	0	1,700	200	0	200	250	200	50	0	0	0	0	0	0	0	Local Only
OPR	0	0	0	0	0	0	0	0	0	500	400	100	0	0	0	0	0	0	0	STP Flex

OC4 Computerized Traffic Control System



TIP Revision 18 Details:

Request to delete Phase 14, redescribe Phase 15 as "Nanakuli" and advance PE1, to redescribe Phase 16 as "Waianae" and advance PE1 (A.5).

Project Description:

Upgrade and expand fiber optic lines, closed-circuit television (CCTV) cameras, data collection, and signal control in the urban center and outlying areas for connectivity to the Honolulu Traffic Control Center.

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$12,508,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

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

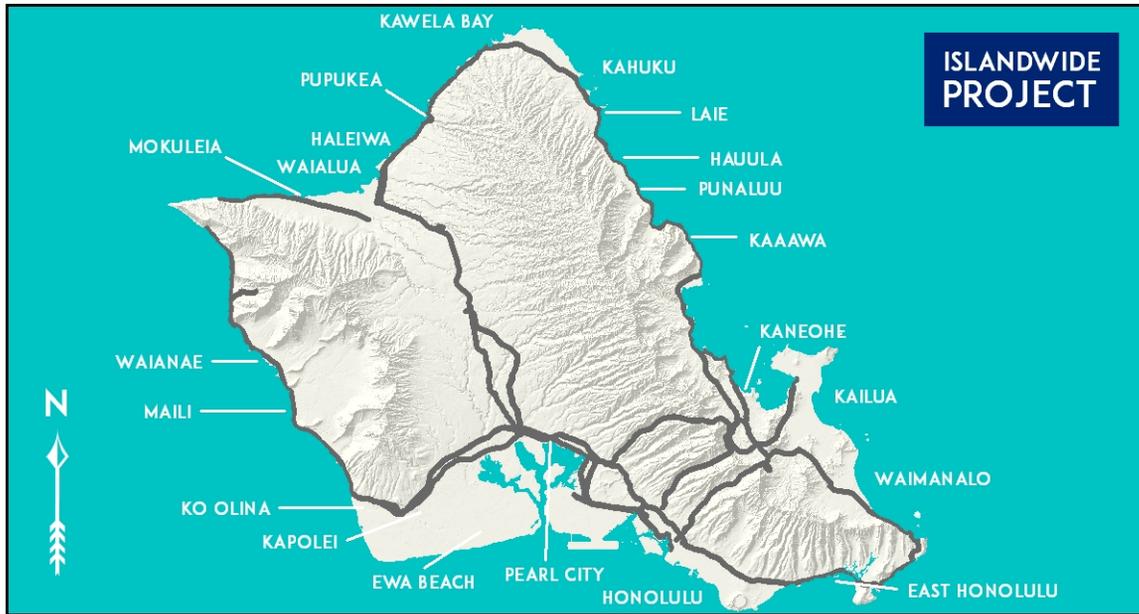
Agency Responsible for Carrying Out Project/Phase:
 City Department of Transportation Services

OC4 Computerized Traffic Control System

All values are in thousands of dollars USD (x1000).

Phase	TRANSPORTATION IMPROVEMENT PROGRAM (TIP)												FOR INFORMATION ONLY						Funding Category
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020			
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	
<i>Phase 15: Nanakuli</i>																			
PE1	0	0	0	0	0	0	0	0	0	313	250	63	0	0	0	0	0	0	STP Flex
PE2	0	0	0	0	0	0	0	0	0	0	0	0	250	200	50	0	0	0	STP Flex
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,080	3,264	816	STP Flex
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	Local Only
<i>Phase 16: Waianae</i>																			
PE1	0	0	0	0	0	0	0	0	0	0	0	0	250	200	50	0	0	0	STP Flex
PE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	103	82	21	STP Flex
<i>Phase 17: TBD</i>																			
PE1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	245	195	50	STP Flex
PE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	80	20	STP Flex

OC10 Traffic Signals at Various Locations



TIP Revision 18 Details:

Request to defer project Phases 20-21 outside of the TIP 4-year window (A.11).

Project Description:

Install, modify, and upgrade traffic signals islandwide, including Americans with Disabilities Act (ADA) improvements, signs and markings, and interties. The project provides for the safe and orderly movements of pedestrians and vehicles at high-risk intersections. The project upgrades existing intersections, adds left-turn phases, increases signal visibility, improves signal coordination, and provides for ADA improvements. Project work is warranted by the Manual on Uniform Traffic Control Devices (MUTCD) and selected annually by a priority listing. Phase 20 includes upgrades to the existing time-of-day coordinated traffic signal systems to the new generation of Adaptive Traffic Control Technology (ATCT) operations along an estimated 20 routes.

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$23,515,000

(May include project costs outside of the 4-year TIP and 2 informational years.)

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

Agency Responsible for Carrying Out Project/Phase:

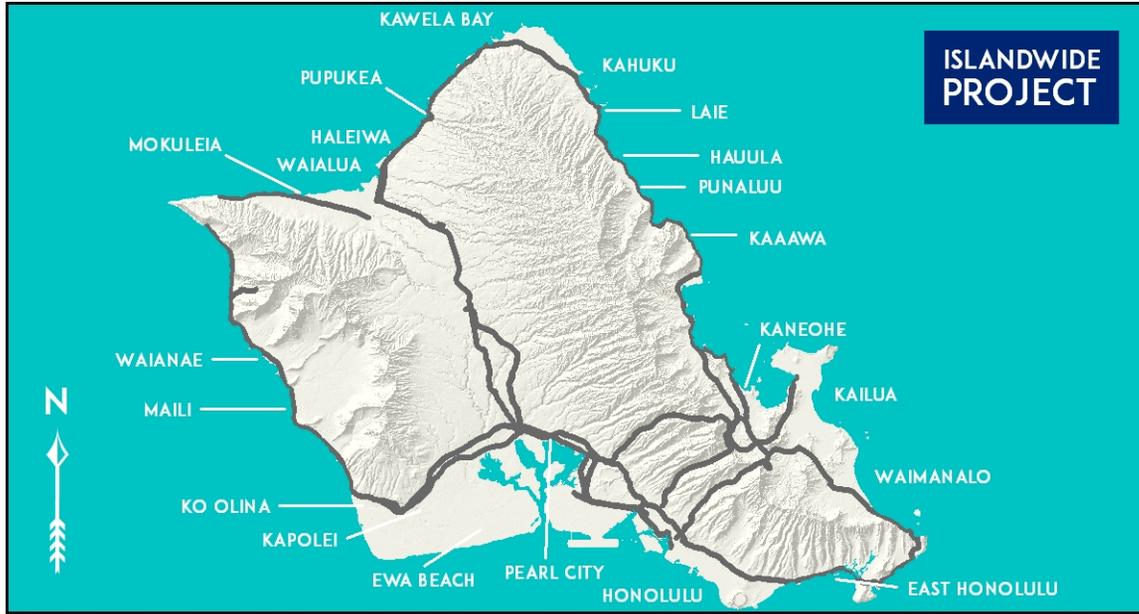
City Department of Transportation Services

OC10 Traffic Signals at Various Locations

All values are in thousands of dollars USD (x1000).

Phase	TRANSPORTATION IMPROVEMENT PROGRAM (TIP)												FOR INFORMATION ONLY						Funding Category	
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020				
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local		
<i>Phase 15 - South King Street/Kealamakai Street, Prospect Street/Prospect Place (Flashing beacon with signs), Makaloa Street/Sheridan Street, Prospect Street, California Avenue/Wahiawa District Park</i>																				
CON	3,496	2,800	696	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
EQP	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
<i>Phase 16 - Kapiolani Boulevard/Kaimuki Avenue, King Street/Ward Avenue, Salt Lake Boulevard/Radford Drive, Ulune Street/Service Road, Farrington Highway/Nanaikeola Street, Nehoa Street/Mott-Smith Drive, Ala Ilima Street/Ala Liliko'i Street, Kamehameha High</i>																				
CON	0	0	0	0	0	0	3,515	2,812	703	0	0	0	0	0	0	0	0	0	0	STP Flex
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
<i>Phase 17 - Kuulei Road/Aulike Street, Kamehameha Highway/Haiku Road, King Street/Church Lane, Ahua Street/Kilihau Street, Kuala Street/Acacia Road, King Street/Pensacola Street, Kamehameha Highway/Pahia Road</i>																				
CON	0	0	0	0	0	0	0	0	0	3,872	3,092	780	0	0	0	0	0	0	0	STP Flex
EQP	0	0	0	0	0	0	5	0	5	4	0	4	0	0	0	0	0	0	0	Local Only
<i>Phase 18 - Renton Road/Pahika Street, Kapiolani at Pumehana Street (Rapid Flashing Beacons), School Street/Houghtailing Street, Kapiolani Boulevard/Atkinson Drive, Kapiolani Boulevard/Kalakaua Avenue, Moanalua Road/Hoomalu Street</i>																				
DES	438	350	88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
CON	0	0	0	0	0	0	0	0	0	0	0	0	2,882	2,305	577	0	0	0	0	STP Flex
EQP	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	0	0	0	0	Local Only
<i>Phase 19 - Waialae Avenue at 16th Avenue, Moanalua Road at Ualo Street</i>																				
PE1	0	0	0	274	219	55	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
PE2	0	0	0	0	0	0	0	0	0	188	150	38	0	0	0	0	0	0	0	STP Flex
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,205	3,364	841	0	STP Flex
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	0	Local Only
<i>Phase 20 - King St/Punahou St, Makuahine/Hala Dr., Hawaii Kai/Kalalea, Kamehameha Hwy/Waikalua Rd, Ward Ave/Lunalilo, Kapahulu Interconnect</i>																				
PE1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
PE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
<i>Phase 21 - Mehaula Pkwy/Ainamakua Dr (audio Ped), Kapiolani/Ward, Kapiolani/McCully</i>																				
PE1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
PE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex

OC26 Transportation Alternative Program (State)



TIP Revision 18 Details:

Request to withdraw project Phase 2 (A.7).

Project Description:

The Transportation Alternatives Program (TAP) is a competitive grant program that provides funding for programs and projects defined as transportation alternatives, including on- and off-road pedestrian and bicycle facilities, infrastructure projects for improving non-driver access to public transportation and enhanced mobility, and community improvement activities. Locations to be determined by the State TAP Project Evaluation and Ranking process. HART projects may be flexed from FHWA to FTA.

Project Website: None

Neighborhood(s): Islandwide

Estimated Total Project Cost: \$2,300,000

(May include project costs outside of the 4-year TIP and 2 informational years.)

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

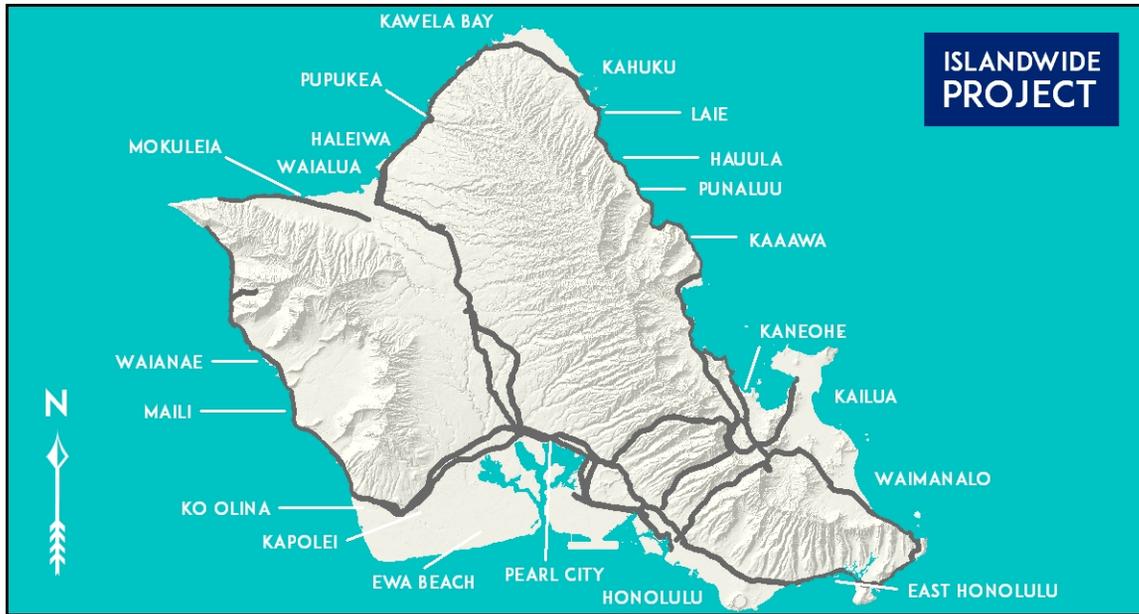
Agency Responsible for Carrying Out Project/Phase:

City Department of Transportation Services/HART

All values are in thousands of dollars USD (x1000).

Phase	TRANSPORTATION IMPROVEMENT PROGRAM (TIP)												FOR INFORMATION ONLY						Funding Category	
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020				
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local		
<i>Phase 1 - HART Chinatown Bike Facility (FHWA to FTA Flex Funds)</i>																				
PE2/CON	0	0	0	250	200	50	0	0	0	0	0	0	0	0	0	0	0	0	0	TAP
<i>Phase 3 - Haleiwa Road Multi-Use Path</i>																				
PE1	0	0	0	225	172	53	0	0	0	0	0	0	0	0	0	0	0	0	0	TAP
<i>Phase 4 - Purchase of Bike Share Stations and Bikes</i>																				
EQP	0	0	0	1,254	999	255	0	0	0	0	0	0	0	0	0	0	0	0	0	TAP
<i>Phase 5 - Transit Oriented Development Wayfinding Master Plan</i>																				
PE1	0	0	0	170	128	42	0	0	0	0	0	0	0	0	0	0	0	0	0	TAP

OC25 Transportation Alternatives Program at Various Locations (MPO)



TIP Revision 18 Details:

Request to defer Phase 3 funding by one year (A.2). Request to enhance Phase 4 funding programmed (A.11).

Project Description:

The Transportation Alternatives Program (TAP) is a competitive grant program that provides funding for programs and projects defined as transportation alternatives, including on- and off-road pedestrian and bicycle facilities, infrastructure projects for improving non-driver access to public transportation and enhanced mobility, and community improvement activities. Locations to be determined by the OahuMPO TAP Project Evaluation and Ranking process. HART projects may be flexed from FHWA to FTA.

Project Website: <http://www.oahumpo.org/resources/publications-and-reports/transportation-alternatives-program-oahu/>

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$7,889,000

(May include project costs outside of the 4-year TIP and 2 informational years.)

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

Agency Responsible for Carrying Out Project/Phase:

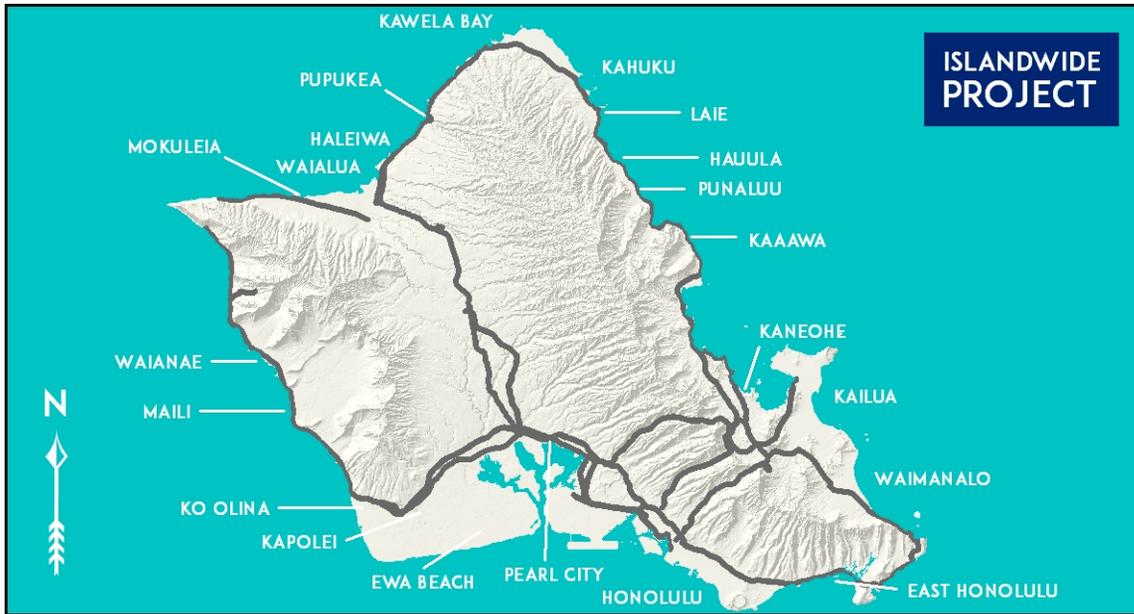
City Department of Transportation Services/HART

OC25 Transportation Alternatives Program at Various Locations (MPO)

All values are in thousands of dollars USD (x1000).

Phase	TRANSPORTATION IMPROVEMENT PROGRAM (TIP)												FOR INFORMATION ONLY						Funding Category	
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020				
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local		
<i>1 - HART Secure Bike Storage Units (FHWA to FTA Flex Funds: Estimated Total Project Cost - \$500,000)</i>																				
CON	0	0	0	500	400	100	0	0	0	0	0	0	0	0	0	0	0	0	TAP-U	
<i>2 - HART Middle Loch Connector (FHWA to FTA Flex Funds: Estimated Total Project Cost - \$500,000)</i>																				
CON	0	0	0	500	400	100	0	0	0	0	0	0	0	0	0	0	0	0	TAP-U	
<i>3 - Ala Wai Bridge Project (Estimated Total Project Cost - \$6,000,000)</i>																				
PE1	0	0	0	0	0	0	0	0	0	500	400	100	0	0	0	0	0	0	TAP-U	
PE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TAP-U	
<i>4 - Bikeshare Equipment for Honolulu System Expansion (Estimated Total Project Cost - \$5,723,000)</i>																				
EQP	0	0	0	0	0	0	3,811	3,049	762	0	0	0	0	0	0	0	0	0	TAP-U	
<i>5 - East Kapolei Rail Station Multi-modal Access Improvements (Estimated Total Project Cost - \$8,400,000)</i>																				
PE1	0	0	0	0	0	0	600	0	600	0	0	0	0	0	0	0	0	0	TAP-U	
PE2	0	0	0	0	0	0	0	0	0	1,000	800	200	0	0	0	0	0	0	TAP-U	
<i>6 - TBD (Estimated Total Project Cost - \$4,389,000)</i>																				
PE2	0	0	0	0	0	0	0	0	0	0	0	0	3,389	2,711	678	1,000	800	200	TAP-U	

OC14 Bus Stop ADA Access and Site Improvements



TIP Revision 18 Details:

Request to revise DES project costs; request to revise CON costs and defer funding (A.5).

Project Description:

Modify bus stops to comply with the Americans with Disabilities Act (ADA). Improve the mobility independence for transit users of all ages and abilities, pedestrian access, and the number of ADA accessible bus stops.

This project incorporates the scope of three previously individual projects: OC14, Bus Stop ADA Access Improvements; OC15, Bus Stop Site Improvements; and OC22, Pedestrian Transit Connections.

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$4,187,000

(May include project costs outside of the 4-year TIP and 2 informational years.)

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

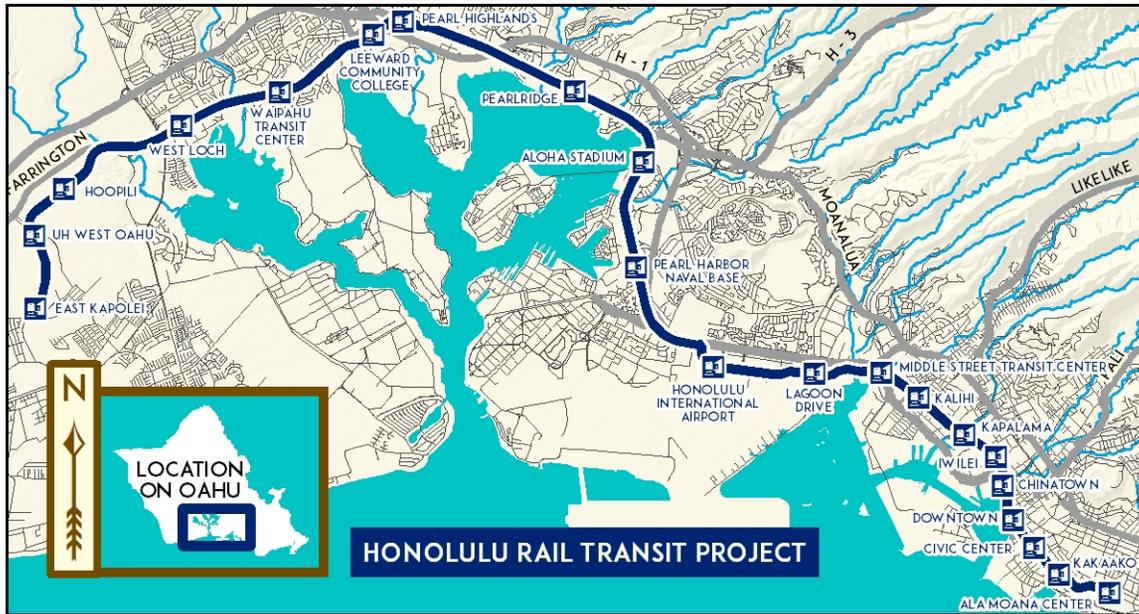
Agency Responsible for Carrying Out Project/Phase:

City Department of Transportation Services

All values are in thousands of dollars USD (x1000).

Phase	TRANSPORTATION IMPROVEMENT PROGRAM (TIP)												FOR INFORMATION ONLY						Funding Category
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020			
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	
PLN	1	0	1	5	0	5	5	0	5	5	0	5	1	0	1	1	0	1	Local Only
DES	270	0	270	365	0	365	365	0	365	365	0	365	270	0	270	270	0	270	Local Only
ROW	5	0	5	20	0	20	0	0	0	0	0	0	5	0	5	5	0	5	Local Only
CON	621	300	321	495	145	350	100	0	100	640	290	350	321	0	321	321	0	321	\$5307/\$5340
EQP	0	0	0	5	0	5	5	0	5	5	0	5	0	0	0	0	0	0	Local Only
REL	1	0	1	5	0	5	20	0	20	5	0	5	1	0	1	1	0	1	Local Only
INSP	0	0	0	0	0	0	0	0	0	20	0	20	0	0	0	0	0	0	Local Only

OC16 Honolulu Rail Transit Project



TIP Revision 18 Details:

Request to move FFY 17 funding to FFY 18 and to modify local share of OS64 using sliding scale and full federal reimbursement of traffic signal projects. Also updating total project costs to reflect current estimates with no change in federal share (A.2).

Project Description:

Plan, design, and construct a fixed guideway system between East Kapolei and Ala Moana Center. The system includes stations and related appurtenances, park-and-ride facilities, a maintenance and storage facility, light metro vehicles, and associated core systems.

Total Estimated Costs by Phase:

- Planning: \$142,876,000
- Land Acquisition: \$257,153,000
- Design: \$475,832,000
- Construction: \$7,699,205,000
- Equipment: \$191,987,000.

The estimated total project cost reflects escalation reviewed by FTA's Project Management Oversight Consultant and also includes Unallocated Contingency and Full Funding Grant Agreement finance charges (\$602,000,000).

The estimated local share of total estimated costs (excluding unallocated contingency) is approximately \$7,217,053,000 in year of expenditure dollars.

Project Website: <http://www.honolulustransit.org>

Neighborhood(s): Makakilo-Kapolei-Honokai Hale, Ewa, Waipahu, Pearl City, Airport, Kalihi-Palama, Downtown, Ala Moana-Kakaako

Estimated Total Project Cost: \$8,767,053,000

(May include project costs outside of the 4-year TIP and 2 informational years.)

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

Agency Responsible for Carrying Out Project/Phase:

Honolulu Authority for Rapid Transportation

OC16 Honolulu Rail Transit Project

All values are in thousands of dollars USD (x1000).

Phase	TRANSPORTATION IMPROVEMENT PROGRAM (TIP)												FOR INFORMATION ONLY						Funding Category	
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020				
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local		
<i>§5309 New Starts</i>																				
H RTP	0	0	0	0	0	0	0	0	0	2,480,034	744,010	1,736,024	0	0	0	0	0	0	§5309 NS	
<i>FHWA to FTA Flex Funds: HDOT Highway Improvements (OS 64)</i>																				
H RTP	0	0	0	0	0	0	18,827	18,000	827	18,450	15,000	3,450	0	0	0	0	0	0	§5307/§5340	
<i>FHWA to FTA Flex Funds: Transportation Alternatives Program (OC25 and OC26)</i>																				
H RTP	0	0	0	0	0	0	0	0	0	1,250	1,000	250	0	0	0	0	0	0	§5307/§5340	

OC21 Transit Safety and Security Projects

SITES TO BE DETERMINED

TIP Revision 18 Details:

Request to defer all FFY 2017 EQP funding to FFY 2018 (A.5).

Project Description:

Capital improvement projects at various locations will provide safety and security in transit vehicles: at future and existing bus stops and transit centers, park-and-ride lots, and bus maintenance facilities.

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$2,023,000

(May include project costs outside of the 4-year TIP and 2 informational years.)

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

Agency Responsible for Carrying Out Project/Phase:

City Department of Transportation Services

All values are in thousands of dollars USD (x1000).

Phase	TRANSPORTATION IMPROVEMENT PROGRAM (TIP)												FOR INFORMATION ONLY						Funding Category
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020			
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	
PLN	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	0	0	0	Local Only
DES	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	0	0	0	Local Only
CON	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	0	0	0	Local Only
EQP	413	330	83	356	296	60	75	0	75	680	604	76	389	311	78	396	317	79	\$5307/\$5340

TECHNICAL ANALYSIS

FUNDING SUMMARY

		FFYS 2015-2018 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)									ILLUSTRATIVE YEARS FOR INFORMATION ONLY								
		FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020		
		TOTAL	FEDERAL	LOCAL	TOTAL	FEDERAL	LOCAL	TOTAL	FEDERAL	LOCAL	TOTAL	FEDERAL	LOCAL	TOTAL	FEDERAL	LOCAL	TOTAL	FEDERAL	LOCAL
FHWA - FUNDED PROJECTS	Oahu State (OS)																		
	As of Revision 17	158,769	89,719	69,050	100,095	68,760	31,335	277,376	95,684	181,692	141,009	77,970	63,039	220,006	185,242	34,764	120,158	123,468	(3,310)
	Revision 18 Changes	0	0	0	0	0	0	6,420	(4,800)	11,220	3,882	4,542	(660)	(44,117)	(22,794)	(21,323)	28,627	11,062	17,565
	Total as of Revision 18	158,769	89,719	69,050	100,095	68,760	31,335	283,796	90,884	192,912	144,891	82,512	62,379	175,889	162,448	13,441	148,785	134,530	14,255
	Oahu City (OC)																		
	As of Revision 17	29,508	17,000	12,508	29,553	19,551	10,002	9,168	4,744	4,424	50,936	17,698	33,238	56,436	20,725	35,711	13,768	9,984	3,784
	Revision 18 Changes	0	0	0	(400)	(312)	(88)	2,311	1,849	462	694	556	138	(3,478)	(2,597)	(881)	(491)	(391)	(100)
	Total as of Revision 18	29,508	17,000	12,508	29,153	19,239	9,914	11,479	6,593	4,886	51,630	18,254	33,376	52,958	18,128	34,830	13,277	9,593	3,684
	TOTAL FHWA	188,277	106,719	81,558	129,248	87,999	41,249	295,275	97,477	197,798	196,521	100,766	95,755	228,847	180,576	48,271	162,062	144,123	17,939
			FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020	
		TOTAL	FEDERAL	LOCAL	TOTAL	FEDERAL	LOCAL	TOTAL	FEDERAL	LOCAL	TOTAL	FEDERAL	LOCAL	TOTAL	FEDERAL	LOCAL	TOTAL	FEDERAL	LOCAL
FTA - FUNDED PROJECTS	Oahu State (OS)																		
	As of Revision 17	482	385	97	497	397	100	1,387	1,109	278	754	602	152	771	615	156	789	629	160
	Revision 18 Changes	0	0	0	0	0	0	0	0	0	56	45	11	65	52	13	74	59	15
	Total as of Revision 18	482	385	97	497	397	100	1,387	1,109	278	810	647	163	836	667	169	863	688	175
	Oahu City (OC)																		
	As of Revision 17	77,125	48,155	28,970	68,163	40,798	27,365	2,563,681	808,414	1,755,267	80,252	46,158	34,094	67,861	31,236	36,625	68,127	31,317	36,810
	Revision 18 Changes	0	0	0	0	0	0	(2,485,401)	(745,454)	(1,739,947)	2,481,725	745,599	1,736,126	0	0	0	0	0	0
	Total as of Revision 18	77,125	48,155	28,970	68,163	40,798	27,365	78,280	62,960	15,320	2,561,977	791,757	1,770,220	67,861	31,236	36,625	68,127	31,317	36,810
	TOTAL FTA	77,607	48,540	29,067	68,660	41,195	27,465	79,667	64,069	15,598	2,562,787	792,404	1,770,383	68,697	31,903	36,794	68,990	32,005	36,985

All values are in thousands of U.S. dollars (x1000).

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

The City and County of Honolulu is using the OahuMPO TIP public involvement process, as outlined in the Federal Highway Administration/Federal Transit Administration metropolitan transportation planning regulations (23 CFR 450/49 CFR 613), to satisfy the public hearing requirements for the Federal Transit Administration's Urbanized Area Formula Program (49 U.S.C. Section 5307) program-of-projects.