

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL FISCAL YEARS 2015 – 2018



Oahu MPO

REVISION 22
PRE-APPROVED MODIFICATION

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FEDERAL FISCAL YEARS 2015 - 2018

Revision 22

Pre-Approved Administrative Modification

June 2018



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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.

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Appendix A: Federal Planning Factors

1 ABBREVIATIONS

1.1 OVERALL INITIALISMS AND 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 Effects	NEPA	National Environmental Policy Act
CAC	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	Oahu Regional Transportation Plan
CMP	OahuMPO Congestion Management Process	OWP	Overall Work Plan
DTS	City and County of Honolulu Department of Transportation Services	PB	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	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	Intelligent Transportation System	UZA	Urbanized Areas

1.2 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
§5329	Public Transit Safety Program
§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

2 PROJECTS MODIFIED IN REVISION 22

2.1 PROJECT LISTING

This revision is a Pre-Approved Administrative Modification and is submitted directly to the Policy Board without prior review by the Technical Advisory Committee or solicitation of public comment. Refer to Chapter 4 of the TIP 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			
OS12	Interstate Routes H-1, H-2, and H-201 Destination Sign Upgrade/Replacement	Request to defer/inflate due to a delay in procurement for the project's final design phase (PE2). This will delay the construction obligation until late 2020 (A.2).	12
OS65	Kamehameha Highway (Route 83), Shoreline Mitigation, Vicinity of Kualoa, Kaaawa, Punaluu, and Hauula	Defer project to 2018 (A.2). Cost increase for the final design phase (PE2) to reflect the changes in cost estimates (A.11). Defer construction phase (CON) until the shoreline program can identify treatments (A.2, A.6).	13
OS43	Leeward Bikeway, Philippine Sea Road to Waipahu Depot Street	Refine project's limits (A.3).	14
OS52	Sand Island Access Road (Route 64), Truck Weigh Station, Kapalama Container Terminal	Request to revise this project for illustrative purposes; the utility phase (UTL) will be included in FFY 2019 (A.6). Request to defer/inflate the construction phase (CON); there is a delay in the transfer of Federal Aviation Administration land and utility agreements (A.2).	15
Federal Highway Administration (FHWA) - Funded Projects			
Oahu City (OC) and County of Honolulu - Sponsored Projects			
OC4	Computerized Traffic Control System	Request to change the project's funding from federal to local; the request to change funding sources is specifically for Phase 15 (Nanakuli), preliminary engineering (PE1) and final design (PE2) phases (A.9).	17
OC8	Traffic Improvements at Various Locations	Request to revise the amount programmed for project phases to reflect changes in cost estimates; the request is specifically to increase the amount programmed for the project's Village Park/Kupuna Loop phase to reflect increased cost estimates for the inspection (INSP) and construction (CON) phases (A.11).	19
OC10	Traffic Signals at Various Locations	Request to defer and inflate funding to a year that is outside of the four-year TIP; the request is specifically to defer/inflate funding for Phase 19 (Waiialae Avenue at 16th Avenue and Moanalua Road at Ualo Street) final design (PE2) phase to federal fiscal year 2019 (A.7).	21

Federal Highway Administration (FHWA) - Funded Projects			
Oahu City (OC) and County of Honolulu - Sponsored Projects			
OC25	Transportation Alternatives Program (MPO)	Request to revise the source of federal funds designated to a project to reflect a different funding program; the request is specifically to flex Federal Highway Administration funds to Federal Transit Administration funds for phase 5 (East Kapolei Rail Station Multi-Modal Access Improvements) final design (PE2) phase (A.8).	23
OC28	Safe Routes to School (SRTS) Program	HDOT request that the program be added to the TIP for consistency with the STIP.	25

Federal Transit Administration (FTA) - Funded Projects			
Oahu City (OC) and County of Honolulu - Sponsored Projects			
OC13	Bus and Handi-Van Acquisition Program	Request to revise the amount programmed for a project phase to reflect changes in cost estimates; the request is specifically to both increase and decrease the amount programmed to reflect increased/decreased cost estimates (A.11). Request to defer funds; this is specifically to defer equipment (EQP) funding from federal fiscal year 2018 to 2019 (A.7). Request to change the project's funding from federal to local; the request is to specifically change the funding source for equipment (EQP) in federal fiscal year 2020 (A.9).	27
OC14	Bus Stop ADA Access and Site Improvements	Request to change the project's funding from federal to local; the request is to specifically change the funding source for the construction phase (CON) in federal fiscal year 2018 (A.9).	30
OC20	Preventative Maintenance	Request to revise the amount programmed for a project phase to reflect changes in cost estimates; the request is specifically to decrease the amount programmed to reflect decreased cost estimates for the project's operational (OPR) phase (A.11).	31
OC21	Transit Safety & Security Projects	Request to revise the amount programmed for a project phase to reflect changes in cost estimates; the request is specifically to increase the amount programmed to reflect increased cost estimates for the project's equipment (EQP) (A.11).	32
OC24	Capital Training	Request to revise the amount programmed for a project phase to reflect changes in cost estimates; the request is specifically to decrease the amount programmed to reflect decreased cost estimates for the project's operational (OPR) phase (A.11).	33
OC16	Honolulu Rail Transit Project	Request to revise the amount programmed for a project phase to reflect changes in cost estimates; the request is specifically to decrease the amount programmed in FFY2018 and to increase the amount programmed in FFY2019 and FFY2020 (A.11).	34

NUMBER OF PROJECTS BEING REVISED IN REVISION 22:	PERCENTAGE OF TOTAL TIP PROJECTS REVISED IN REVISION 22:
15	19%

2.2 Project Information Sheets

2.2.1 Oahu State (OS) Projects

2.2.1.1 FHWA-Funded Oahu State Projects

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



TIP Revision #22 Details:

Request to defer/inflate due to a delay in procurement for the project's final design phase (PE2). This will delay the construction obligation until late 2020 (A.2).

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.)

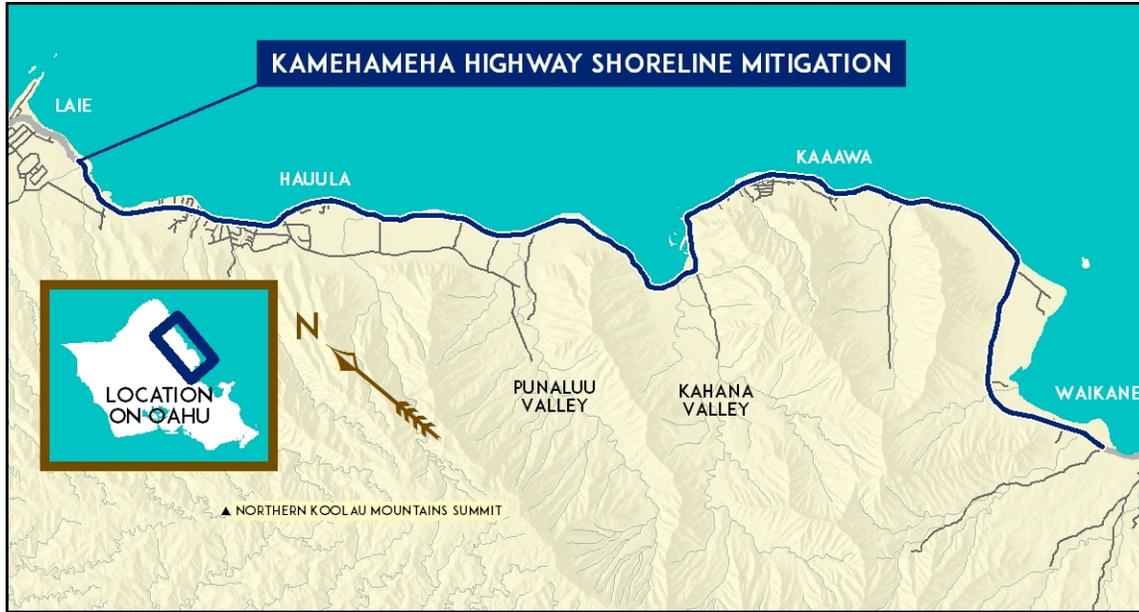
Project Sponsor: State of Hawaii (FHWA Funded)

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

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

Phase	FOR INFORMATION ONLY																		Funding Category
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020			
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	
Phase 2																			
CON	0	0	0	0	0	0	7,140	2,712	4,428	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	2,000	-2,000	0	1,000	-1,000	0	0	0	NHPP
Phase 3																			
DES	0	0	0	554	499	55	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	0	0	6,060	4,848	1,212	NHPP

OS65 Kamehameha Highway (Route 83), Shoreline Mitigation, Vicinity of Kualoa, Kaaawa, Punaluu, and Hauula



TIP Revision #22 Details:

Defer project to 2018 (A.2). Cost increase for the final design phase (PE2) to reflect the changes in cost estimates (A.11). Defer construction phase (CON) until the shoreline program can identify treatments (A.2, A.6).

Project Description:

Repair locations identified along the coastal highway that have a very high probability of further erosion in the immediate future.

Project Website: None

Neighborhood(s): Koolauloa, Kahaluu

Estimated Total Project Cost: \$11,100,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

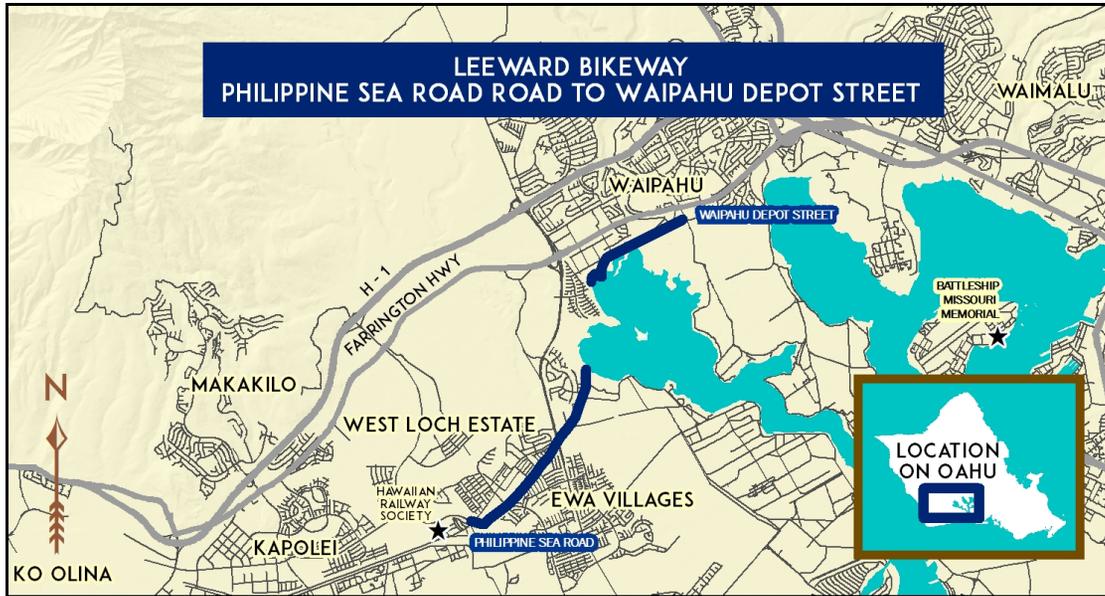
Project Sponsor: State of Hawaii (FHWA Funded)

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

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

Phase	FOR INFORMATION ONLY																		Funding Category
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020			
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	
PE2	0	0	0	0	0	0	0	0	0	1,300	1,040	260	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

OS43 Leeward Bikeway, Philippine Sea Road to Waipahu Depot Street



TIP Revision #22 Details:

Refine project's limits (A.3).

Project Description:

Improve the bikeway/bike path from Philippine Sea Road to Waipahu Depot Street.

Project Website: None

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

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

(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 U.S. dollars (x1000).

Phase	FOR INFORMATION ONLY																		Funding Category	
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020				
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)		
<i>Philippine Sea Road to Waipahu Depot Street</i>																				
CON	0	0	0	0	0	0	0	0	0	9,360	100	9,260	0	0	0	0	0	0	0	Enhance
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	7,388	-7,388	0	0	0	0	Enhance

OS52 Sand Island Access Road (Route 64), Truck Weigh Station, Kapalama Container Terminal



TIP Revision #22 Details:

Request to revise this project for illustrative purposes; the utility phase (UTL) will be included in FFY 2019 (A.6). Request to defer/inflate the construction phase (CON); there is a delay in the transfer of Federal Aviation Administration land and utility agreements (A.2).

Project Description:

The description of work would be to design, construct and operate a truck weigh station to perform truck inspections and driver credential checks at the egress of the container terminal on Sand Island Access Road. The work includes auxiliary lanes to accommodate truck vehicles, traffic controls, truck weighing infrastructure and computer hardware/ software, operator kiosk/ office.

Project Website: None

Neighborhood(s): Airport

Estimated Total Project Cost: \$9,000,000

(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

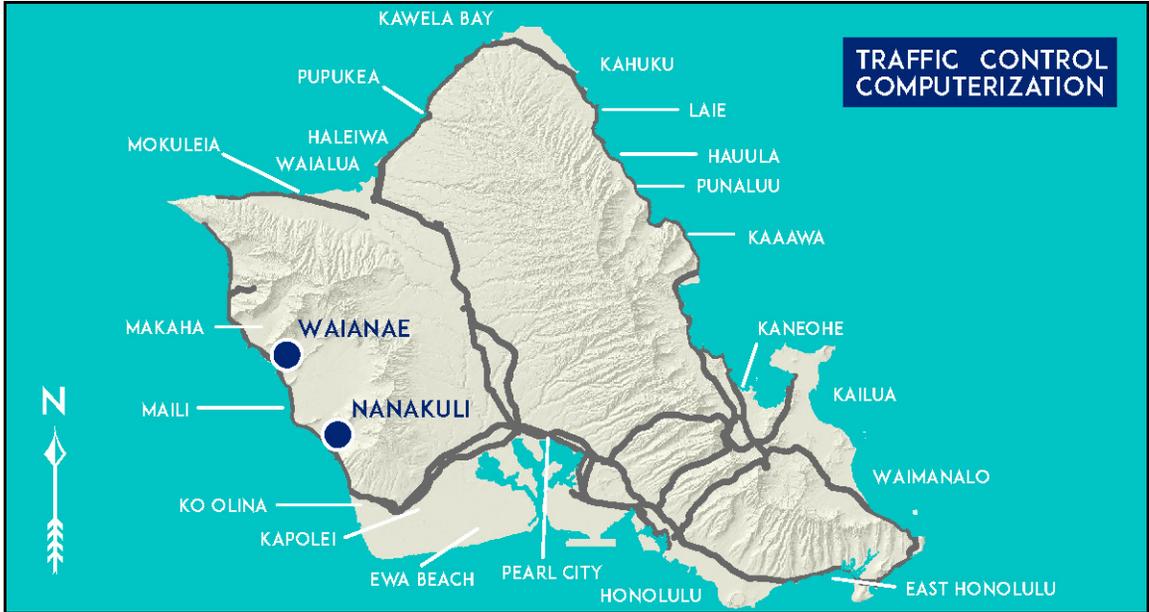
All values are in thousands of U.S. dollars (x1000).

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			FOR INFORMATION ONLY FFY 2020			Funding Category	
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local											
	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)	(x\$1000)														
DES	0	0	0	135	0	135	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
PREROW	0	0	0	130	0	130	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ROW	0	0	0	0	0	0	0	0	0	3060	2,448	612	0	0	0	0	0	0	0	NHPP
UTL	0	0	0	0	0	0	0	0	0	0	0	0	500	210	290	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	5,200	4,160	1,040	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

2.2.2 Oahu City (OC) Projects

2.2.2.1 FHWA-Funded Oahu City Projects

OC4 Computerized Traffic Control System



TIP Revision #22 Details:

Request to change the project’s funding from federal to local; the request to change funding sources is specifically for Phase 15 (Nanakuli), preliminary engineering (PE1) and final design (PE2) phases (A.9).

Project Description:

Upgrade and expand fiber optics lines, CCTV cameras, data collection, and signal control in urban and rural areas for connection to the 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)

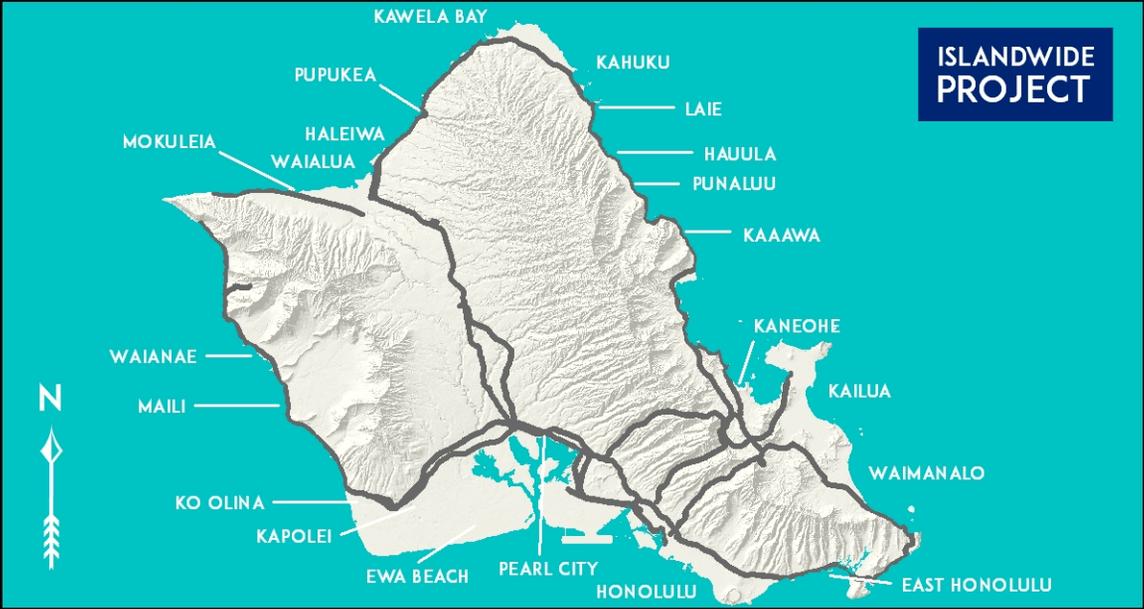
Agency Responsible for Carrying Out Project/Phase:
 City Department of Transportation Services

OC4 Computerized Traffic Control System

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

Phase	FOR INFORMATION ONLY																		Funding Category	
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020				
	Total (X\$1000)	Federal (X\$1000)	Local (X\$1000)	Total (X\$1000)	Federal (X\$1000)	Local (X\$1000)	Total (X\$1000)	Federal (X\$1000)	Local (X\$1000)	Total (X\$1000)	Federal (X\$1000)	Local (X\$1000)	Total (X\$1000)	Federal (X\$1000)	Local (X\$1000)	Total (X\$1000)	Federal (X\$1000)	Local (X\$1000)		
<i>Phase 15 - Nanakuli</i>																				
PE1	0	0	0	0	0	0	0	0	0	313	0	313	0	0	0	0	0	0	LOCAL	
PE2	0	0	0	0	0	0	0	0	0	0	0	0	250	0	250	0	0	0	LOCAL	
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	
<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	
CON	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	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	

OC8 Traffic Improvements at Various Locations



TIP Revision #22 Details:

Request to revise the amount programmed for project phases to reflect changes in cost estimates; the request is specifically to increase the amount programmed for the project's Village Park/Kupuna Loop phase to reflect increased cost estimates for the inspection (INSP) and construction (CON) phases (A.11).

Project Description:

Provide traffic congestion relief and improve traffic safety at various locations, including but not limited to Palolo, Village Park, and Kupuna Loop areas; Kalaheo Avenue/Kailua Road; Dillingham Boulevard; and Waiakamilo Road. Other locations are to be determined.

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$5,875,000

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

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

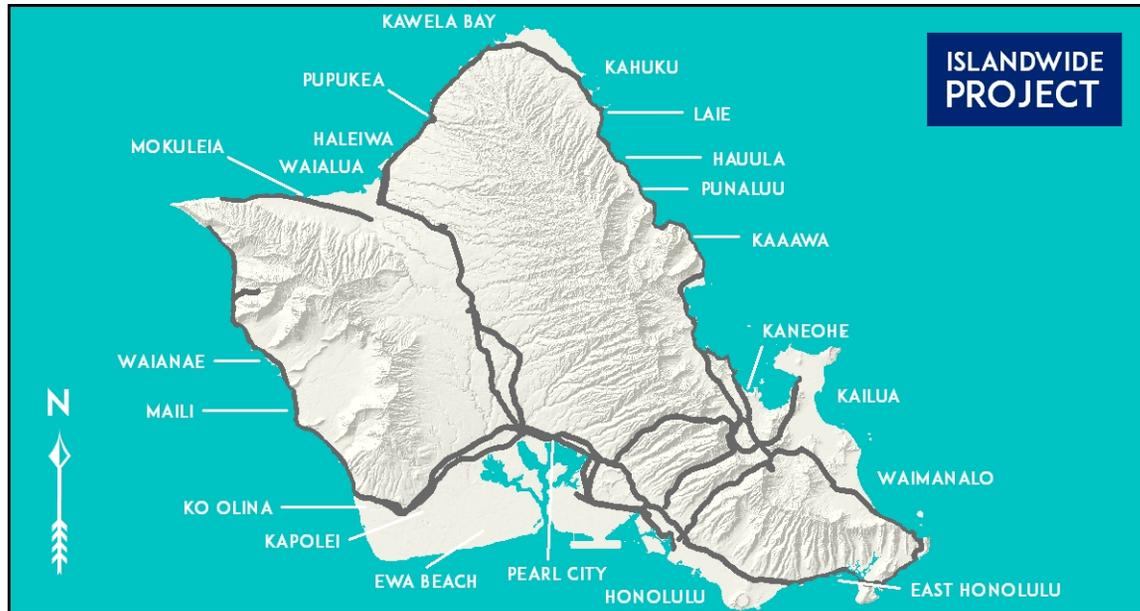
Agency Responsible for Carrying Out Project/Phase:
City Department of Transportation Services

OC8 Traffic Improvements at Various Locations

Phase	FOR INFORMATION ONLY																		Funding Category	
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020				
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)		
<i>Phase 1 - Village Park/Kupuna Loop</i>																				
DES	450	360	90	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	3,000	2,400	600	0	0	0	0	0	0	0	STP Flex
INSP	0	0	0	0	0	0	0	0	0	450	360	90	0	0	0	0	0	0	0	STP Flex
<i>Phase 2 - Kalaheo Avenue/Kailua Road</i>																				
ROW	0	0	0	0	0	0	0	0	0	0	0	0	106	85	21	0	0	0	0	STP Flex
CON	0	0	0	0	0	0	0	0	0	0	0	0	1,590	1,272	318	0	0	0	0	STP Flex
INSP	0	0	0	0	0	0	0	0	0	0	0	0	265	212	53	0	0	0	0	STP Flex
<i>Phase 3 - Liliha Street Design - Complete Streets</i>																				
PE1	0	0	0	0	0	0	350	0	350	0	0	0	0	0	0	0	0	0	0	Local Only
PE2	0	0	0	0	0	0	0	0	0	250	0	250	0	0	0	0	0	0	0	Local Only
CON	0	0	0	0	0	0	0	0	0	0	0	0	1,625	0	1,625	0	0	0	0	Local Only
INSP	0	0	0	0	0	0	0	0	0	0	0	0	130	0	130	0	0	0	0	Local Only
<i>Phase 4 - University Avenue Design - Complete Streets</i>																				
PE1	0	0	0	0	0	0	0	0	0	425	0	425	0	0	0	0	0	0	0	Local Only
PE2	0	0	0	0	0	0	0	0	0	0	0	0	125	0	125	0	0	0	0	Local Only
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,178	0	1,178	0	Local Only
INSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
<i>Phase 5 - Mahoe and Waipahu Streets</i>																				
PE1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
PE2	0	0	0	0	0	0	0	0	0	300	0	300	0	0	0	0	0	0	0	Local Only
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
INSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
<i>Phase 6 - TBD - DES 2020</i>																				
PE1	0	0	0	0	0	0	0	0	0	0	0	0	125	100	25	0	0	0	0	STP Flex
PE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	425	300	125	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
INSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex

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

OC10 Traffic Signals at Various Locations



TIP Revision #22 Details:

Request to defer and inflate funding to a year that is outside of the four-year TIP; the request is specifically to defer/inflate funding for Phase 19 (Waialae Avenue at 16th Avenue and Moanalua Road at Ualo Street) final design (PE2) phase to federal fiscal year 2019 (A.7).

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: \$11,608,000

(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:

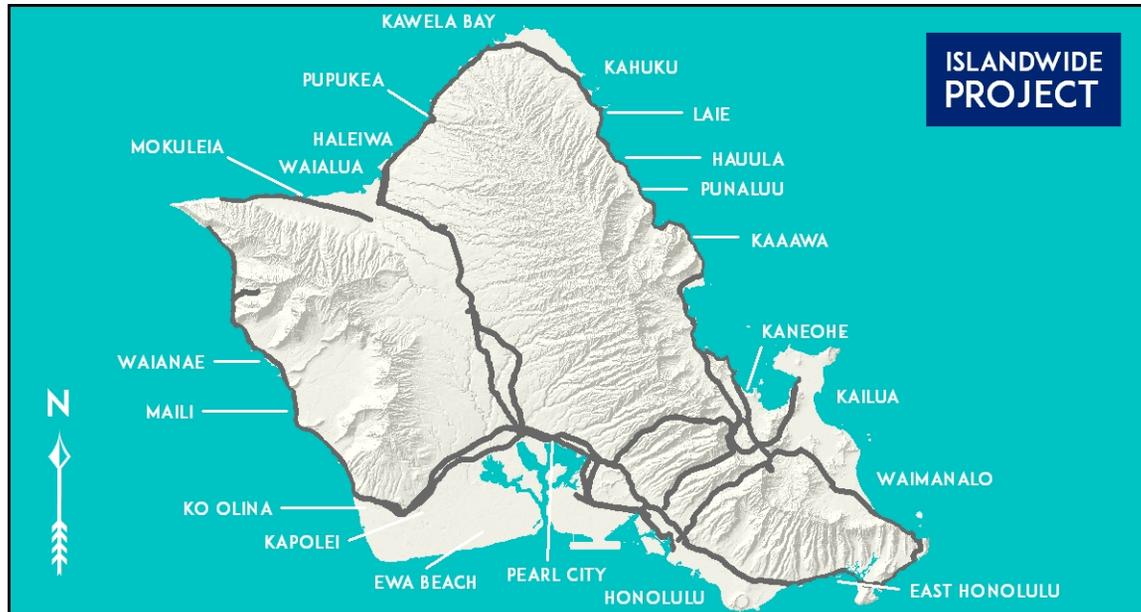
City Department of Transportation Services

OC10 Traffic Signals at Various Locations

Phase	FOR INFORMATION ONLY																		Funding Category	
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020				
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)		
<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, Salt Lake Boulevard/Radford Drive, Ulune Street/Service Road, Farrington Highway/Nanaikeola Street, Nehoa Street/Mott-Smith Drive, Ala Ilima Street/Ala Liliko Street, Kamehameha Highway/Lipoa Street</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, King Street/Ward Avenue, Atkinson Drive/Mahukona Street</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	0	0	0	250	200	50	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

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

OC25 Transportation Alternatives Program (MPO)



TIP Revision #22 Details:

Request to revise the source of federal funds designated to a project to reflect a different funding program; the request is specifically to flex Federal Highway Administration funds to Federal Transit Administration funds for phase 5 (East Kapolei Rail Station Multi-Modal Access Improvements) final design (PE2) phase (A.8).

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:

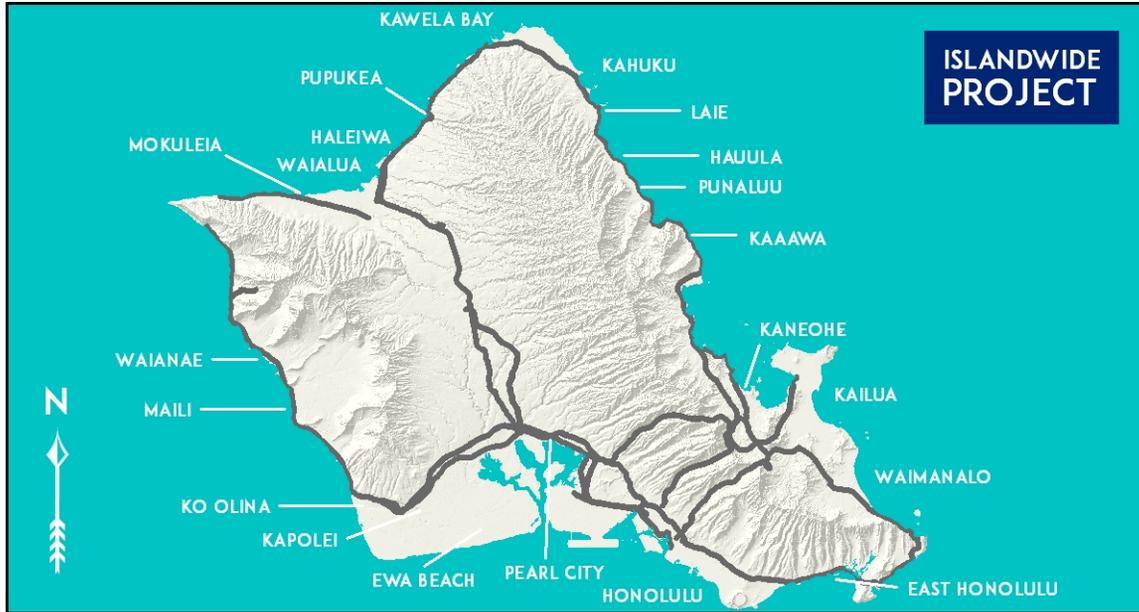
City Department of Transportation Services/HART

OC25 Transportation Alternatives Program (MPO)

Phase	FOR INFORMATION ONLY																		Funding Category	
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020				
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)		
<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	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	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	0	TAP-U
PE2	0	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	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	0	TAP-U
PE2	0	0	0	0	0	0	0	0	0	1,000	800	200	0	0	0	0	0	0	0	TAP-U
<i>6 - TBD (Estimated Total Project Cost - \$4,389,000)</i>																				
CON	0	0	0	0	0	0	0	0	0	0	0	0	3,389	2,711	678	1,000	800	200	0	TAP-U

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

OC28 Safe Routes to School (SRTS) Program



TIP Revision #22 Details:

HDOT request that the program be added to the TIP for consistency with the STIP.

Project Description:

The Safe Routes to School (SRTS) Program has the following goals: enable and encourage children, including those with disabilities, to walk and bicycle to school; make bicycling and walking to school a safer and more appealing transportation alternative, thereby encouraging a healthy and active lifestyle from an early age; and facilitate the planning, development, and implementation of projects and activities that will improve safety and reduce traffic, fuel consumption, and air pollution in the vicinity of schools.

Project Website: <http://hidot.hawaii.gov/highways/srts/>

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$500,000

(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 U.S. dollars (x1000)

Phase	FOR INFORMATION ONLY																		Funding Category	
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020				
	Total (X\$1000)	Federal (X\$1000)	Local (X\$1000)	Total (X\$1000)	Federal (X\$1000)	Local (X\$1000)	Total (X\$1000)	Federal (X\$1000)	Local (X\$1000)	Total (X\$1000)	Federal (X\$1000)	Local (X\$1000)	Total (X\$1000)	Federal (X\$1000)	Local (X\$1000)	Total (X\$1000)	Federal (X\$1000)	Local (X\$1000)		
<i>Kailua Bike Boulevard</i>																				
PE1	0	0	0	0	0	0	83	83	0	0	0	0	0	0	0	0	0	0	0	SRTS
PE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	0	0	SRTS
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SRTS

2.2.2 Oahu City (OC) Projects

2.2.2.2 FTA-Funded Oahu City Projects

OC13 Bus and Handi-Van Acquisition Program



TIP Revision #22 Details:

Request to revise the amount programmed for a project phase to reflect changes in cost estimates; the request is specifically to both increase and decrease the amount programmed to reflect increased/decreased cost estimates (A.11). Request to defer funds; this is specifically to defer equipment (EQP) funding from federal fiscal year 2018 to 2019 (A.7). Request to change the project's funding from federal to local; the request is to specifically change the funding source for equipment (EQP) in federal fiscal year 2020 (A.9).

Project Description:

Purchase replacement transit buses and Handi-Van vehicles.

By FFY:

2015: 17-40' buses + 19-60' buses + 19 small vans + 6 <30' buses
2016: 30 <30' vehicles + 0-35' buses + 15-40' buses + 10-60' buses.
2018: 60< 30' buses + 10-40' buses + 10-60' buses.

Project Website: <http://www.thebus.org> and
<http://www.honolulu.gov/dts>

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$153,918,000

(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

OC13 Bus and Handi-Van Acquisition Program

FOR INFORMATION ONLY

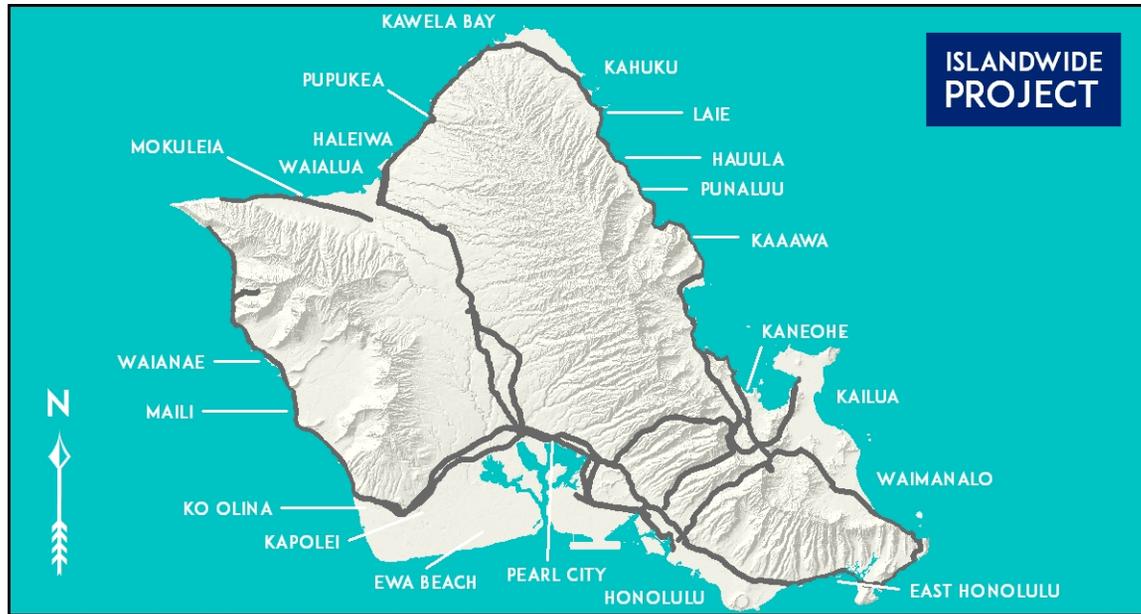
Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020			Funding Category	
	Total (X\$1000)	Federal (X\$1000)	Local (X\$1000)																	
<i>2015: 17 - 40' buses + 19 - 60' buses + 19 small vans + 6 <30' buses</i>																				
EQP	15,086	11,461	3,625	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340
EQP	2,673	2,158	515	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5337
EQP	2,403	1,923	480	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5309
EQP	8,636	6,909	1,727	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5339
INSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340
<i>2016: 30 <30' buses + 0 35' buses + 15 - 40' buses + 10 - 60' buses</i>																				
EQP	0	0	0	16,706	12,933	3,773	0	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340
EQP	0	0	0	5,863	4,695	1,168	0	0	0	0	0	0	0	0	0	0	0	0	0	§5339
EQP	0	0	0	3,688	2,519	1,169	0	0	0	0	0	0	0	0	0	0	0	0	0	§5337
INSP	0	0	0	48	38	10	0	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340
<i>2017</i>																				
EQP	0	0	0	0	0	0	1,927	0	1,927	0	0	0	0	0	0	0	0	0	0	§5307/§5340
EQP	0	0	0	0	0	0	975	0	975	0	0	0	0	0	0	0	0	0	0	§5337
EQP	0	0	0	0	0	0	1,501	0	1,501	0	0	0	0	0	0	0	0	0	0	§5339
EQP	0	0	0	0	0	0	853	618	235	0	0	0	0	0	0	0	0	0	0	§5310
INSP	0	0	0	0	0	0	10	0	10	0	0	0	0	0	0	0	0	0	0	§5307/§5340
<i>2018: 60 <30' buses + 10 - 40' buses + 10 - 60' buses</i>																				
EQP	0	0	0	0	0	0	0	0	0	16,491	13,192	3,299	0	0	0	0	0	0	0	§5307/§5340
EQP	0	0	0	0	0	0	0	0	0	4,110	3,288	822	0	0	0	0	0	0	0	§5337
EQP	0	0	0	0	0	0	0	0	0	4,369	3,495	874	0	0	0	0	0	0	0	§5339
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5310
INSP	0	0	0	0	0	0	0	0	0	49	39	10	0	0	0	0	0	0	0	§5307/§5340

OC13 Bus and Handi-Van Acquisition Program

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

Phase	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		
(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)
<i>2019: TBD</i>																				
EQP	0	0	0	0	0	0	0	0	0	0	0	0	37,880	32,238	5,642	0	0	0	\$5307/\$5340	
EQP	0	0	0	0	0	0	0	0	0	0	0	0	2,626	2,100	526	0	0	0	\$5337	
EQP	0	0	0	0	0	0	0	0	0	0	0	0	10,541	8,432	2,109	0	0	0	\$5339	
EQP	0	0	0	0	0	0	0	0	0	0	0	0	775	620	155	0	0	0	\$5310	
<i>2020: TBD</i>																				
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20,825	18,594	2,231	\$5307/\$5340	
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,564	1,251	313	\$5337	
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,480	2,496	984	\$5339	
INSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5307/\$5340	

OC14 Bus Stop ADA Access and Site Improvements



TIP Revision #22 Details:

Request to change the project's funding from federal to local; the request is to specifically change the funding source for the construction phase (CON) in federal fiscal year 2018 (A.9).

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: \$4,185,000

(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 U.S. dollars (x1000)

Phase	FOR INFORMATION ONLY																		Funding Category
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020			
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	
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	350	0	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

OC20 Preventative Maintenance



TIP Revision #22 Details:

Request to revise the amount programmed for a project phase to reflect changes in cost estimates; the request is specifically to decrease the amount programmed to reflect decreased cost estimates for the project's operational (OPR) phase (A.11).

Project Description:

Preventive maintenance of FTA-funded rolling stock (buses and Handi-Vans) includes parts, labor, and other related expenses.

Project Website: <http://www.vanpoolhawaii.com>

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$125,388,000

(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 U.S. dollars (x1000).

Phase	FFY 2015						FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY			Funding Category
	Total		Local	Total		Local													
	(x\$1000)	(x\$1000)	(x\$1000)																
OPR	32,927	17,265	15,662	41,638	21,833	19,805	0	0	0	52,500	42,000	10,500	26,250	21,000	5,250	26,250	21,000	5,250	\$5307/\$5340
OPR	4,304	2,257	2,047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5307/\$5340(20)
OPR	4,407	2,311	2,096	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5307/\$5340(20)

OC21 Transit Safety and Security Projects

SITES TO BE DETERMINED

TIP Revision #22 Details:

Request to revise the amount programmed for a project phase to reflect changes in cost estimates; the request is specifically to increase the amount programmed to reflect increased cost estimates for the project's equipment (EQP) (A.11).

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.)

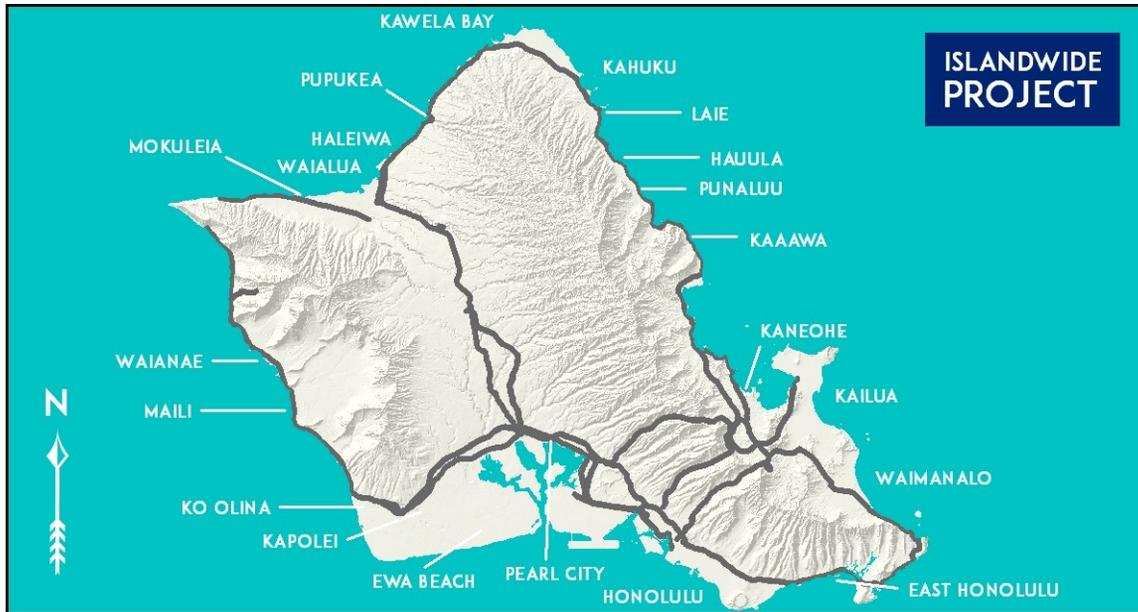
Project Sponsor: City and County of Honolulu (FTA Funded)

Agency Responsible for Carrying Out Project/Phase:

City Department of Transportation Services

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

Phase	FOR INFORMATION ONLY																		Funding Category
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020			
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	
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	714	571	143	389	311	78	396	317	79	§5307/§5340



TIP Revision #22 Details:

Request to revise the amount programmed for a project phase to reflect changes in cost estimates; the request is specifically to decrease the amount programmed to reflect decreased cost estimates for the project’s operational (OPR) phase (A.11).

Project Description:

Public Transit Division staff attendance at training workshops offered by the National Transit Institute.

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$150,000

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

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

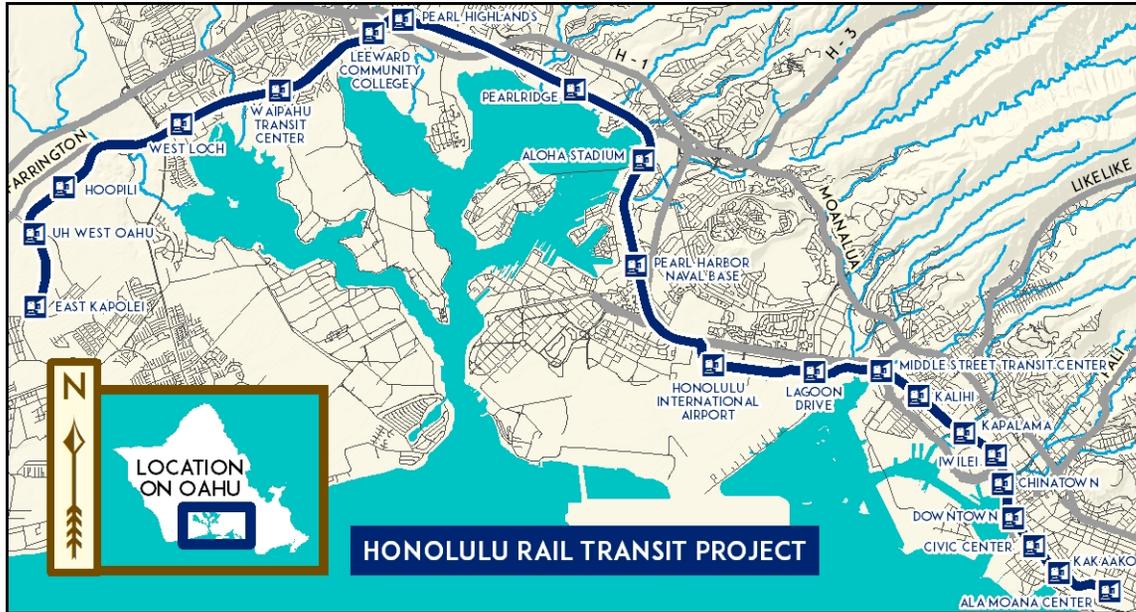
Agency Responsible for Carrying Out Project/Phase:

City Department of Transportation Services

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

Phase	FOR INFORMATION ONLY																		Funding Category
	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FFY 2019			FFY 2020			
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	
OPR	25	20	5	25	20	5	25	20	5	0	0	0	26	21	5	28	22	6	\$5307/\$5340

OC16 Honolulu Rail Transit Project



TIP Revision #22 Details:

Request to revise the amount programmed for a project phase to reflect changes in cost estimates; the request is specifically to decrease the amount programmed in FFY 2018 and to increase the amount programmed in FFY2019 and FFY 2020 (A.11).

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 estimate project cost (in year of expenditure dollars) is \$5,163,693,000 (including finance charges): Planning = \$25,027,000; Land Acquisition = \$222,188,000; DES = \$564,660,000; CON = \$4,143,317,000; EQP = \$208,501,000. The estimated total project cost reflects escalation calculated by FTA's Project Management Oversight Consultant. The estimated local share of total estimated costs (excluding unallocated contingency) is approximately \$3,357,789,262 in year of expenditure dollars.

Mile Post/s: Not applicable

Complete Streets (CS):

Project will implement: Not applicable

Existing Feature/s: Not applicable

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

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

Estimated Total Project Cost: \$8,165,000,000

(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 U.S. dollars (x1000)

Phase	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		
(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)	(X\$1000)
<i>§5309 New Starts</i>																				
H RTP	0	0	0	0	0	0	0	0	0	333,333	100,000	233,333	833,333	250,000	583,333	833,333	250,000	583,333	§5309	
<i>FHWA to FTA Flex Funds: HDOT Highway Improvements (OS64)</i>																				
H RTP	0	0	0	0	0	0	18,827	18,000	827	12,300	10,000	2,300	6,150	5,000	1,150	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	
TOTAL	0	0	0	0	0	0	18,827	18,000	827	346,883	111,000	235,883	839,483	255,000	584,483	833,333	250,000	583,333		

2.3 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 21	158,769	89,719	69,050	100,095	68,760	31,335	281,296	90,884	190,412	118,044	80,046	37,998	164,887	143,114	21,773	140,430	117,366	23,064
	Revision 22 Changes	0	0	0	(100)	(80)	(20)	0	0	0	(3,800)	960	(4,760)	(10,700)	(5,030)	(5,670)	6,060	(152)	6,212
	Total as of Revision 22	158,769	89,719	69,050	99,995	68,680	31,315	281,296	90,884	190,412	114,244	81,006	33,238	154,187	138,084	16,103	146,490	117,214	29,276
	Oahu City (OC)																		
	As of Revision 21	29,508	17,000	12,508	29,153	19,239	9,914	12,479	6,593	5,886	14,268	8,082	6,186	16,818	8,497	8,321	72,517	12,358	60,159
	Revision 22 Changes	0	0	0	0	0	0	83	83	0	827	410	417	250	0	250	25	25	0
	Total as of Revision 22	29,508	17,000	12,508	29,153	19,239	9,914	12,562	6,676	5,886	15,095	8,492	6,603	17,068	8,497	8,571	72,542	12,383	60,159
	TOTAL FHWA	188,277	106,719	81,558	129,148	87,919	41,229	293,858	97,560	196,298	129,339	89,498	39,841	171,255	146,581	24,674	219,032	129,597	89,435
FTA - FUNDED PROJECTS	Oahu State (OS)																		
	As of Revision 21	482	385	97	497	397	100	1,387	1,109	278	810	647	163	836	667	169	863	688	175
	Revision 22 Changes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total as of Revision 22	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 21	77,125	48,155	28,970	68,163	40,798	27,365	27,210	18,638	8,572	2,615,098	838,321	1,776,777	69,313	53,452	15,861	62,259	31,317	30,942
	Revision 22 Changes	0	0	0	0	0	0	0	0	0	(2,186,156)	(664,736)	(1,521,420)	853,219	266,270	586,949	828,333	262,363	565,970
	Total as of Revision 22	77,125	48,155	28,970	68,163	40,798	27,365	27,210	18,638	8,572	428,942	173,585	255,357	922,532	319,722	602,810	890,592	293,680	596,912
	TOTAL FTA	77,607	48,540	29,067	68,660	41,195	27,465	28,597	19,747	8,850	429,752	174,232	255,520	923,368	320,389	602,979	891,455	294,368	597,087

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

APPENDIX A

CURRENT PLANNING FACTORS AS STATED IN THE CODE OF FEDERAL REGULATIONS (CFR)

From 23 CFR §450.306(b)

The metropolitan transportation planning process shall be continuous, cooperative, and comprehensive, and provide for consideration and implementation of projects, strategies, and services that will address the following factors:



(1) Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency;



(2) Increase the safety of the transportation system for motorized and non-motorized users;



(3) Increase the security of the transportation system for motorized and non-motorized users;



(4) Increase accessibility and mobility of people and freight;



(5) Protect and enhance the environment, promote energy conservation, improve the quality of life, and promote consistency between transportation improvements and State and local planned growth and economic development patterns;



(6) Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight;



(7) Promote efficient system management and operation;



(8) Emphasize the preservation of the existing transportation system;



(9) Improve the resiliency and reliability of the transportation system and reduce or mitigate stormwater impacts of surface transportation; and



(10) Enhance travel and tourism.

ACCESSED DECEMBER 16, 2016

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.