



VI. New Business

a. Transportation Improvement Program (TIP) FFYs 2015-2018 Revision #21

–Kiana Otsuka, Transportation
Planner



What is an Amendment?

- **Revision 21 is an Amendment:**
 - Involves a major change to a project in the TIP
 - Submitted to the Technical Advisory Committee, Policy Board, and the Governor's designee for action
 - Financial constraint is re-demonstrated
 - Public Comments are solicited (can be viewed in Appendix B)



Revision 21 Amendments

- 1 new project (C.1)
- 7 deleted projects (including projects deferred to outside of the four-year TIP) (C.2)
- 2 project design concepts or design scopes modified (C.3)

***The C letter corresponds to the type of amendment a project requests; See the [TIP Policies and Procedures](#) for more information.

6.1 PROJECT LISTING

This revision is an amendment. Amendments require OahuMPO Policy Committee approval, a review by the Technical Advisory Committee, and the solicitation of public comments. 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			
OS2	Farrington Highway (Route 93), Bridge Rehabilitation, Ulehawa Stream Bridge	Request to defer and inlate; a consultant has been selected but no contract is in place (C.2).	21
OS26	Kalaniana'ole Highway (Route 72) Improvements, Olomana Golf Course to Vic. of Makai Pier	Request to reduce scope to include only resurfacing. Other improvements to be considered at a later time (C.3).	22
OS58	Interstate Route H-1, Corridor Study, Short Term Improvements	Request to delete project; the intended scope for this project is already being addressed in OS67(C.2).	23
OS60	Kahekili Highway (Route 83) Improvements, Likelike Hwy (Route 63) to Kamehameha Hwy (Route 6510)	Request to delete project; contraflow to address congestion. A new traffic study is needed. The project will be reprioritized (C.2).	24
OS24	Kalaniana'ole Highway (Route 72), Bridge Replacement, Inoaole Stream Bridge, Waimanalo	Request to delete project; bridge not structurally deficient. The project will be reprioritized (C.2).	25
OS42	Kualakai Parkway (Route 8930) Extension	Request to delete project; projected current and near-term traffic demand will not justify. The project will be reprioritized (C.2).	26
OS43	Leeward Bikeway, Waipio Point Access Road to Hawaiian Railway Society	Request to defer Phase 2 and develop separately; Phase 1 is a stand-alone, independent project (C.3).	27
OS63	Traffic Counting Stations at Various Locations, Oahu	Request to defer and inflate due to contracting delays (C.2).	28
Federal Highway Administration (FHWA) - Funded Projects			
Oahu City (OC) and County of Honolulu - Sponsored Projects			
OC23	Salt Lake Boulevard Widening, Phase 3	Request to add locally funded phases (Right of Way, Project Engineering Phase 1, Project Engineering Phase 2, and Inspection) and defer construction from FFY 2018 to FY 2020. (C.2).	29
OC27	Farrington Highway (Routes 7100 and 9107) Improvements, Phase 1	Request to add a new project to the TIP (C.1).	30
NUMBER OF PROJECTS BEING REVISED IN REVISION 21:		PERCENTAGE OF TOTAL TIP PROJECTS REVISED IN REVISION 21:	
10		11%	

6.2 PROJECT INFORMATIONAL SHEETS

OS2 Farrington Highway (Route 93), Bridge Rehabilitation, Ulehawa Stream Bridge



TIP Revision #21 Details:

Request to defer and inlate; a consultant has been selected but no contract is in place (C.2).

Project Description:

Rehabilitate the existing bridge to meet current design standards. The bridge will be widened, lengthened, have bridge railings installed that will redirect errant vehicles, have wider shoulders for pedestrians and bicycles, and be strengthened to accommodate present day vehicular loads. The rehabilitated bridge will provide a safer and more efficient facility to residents and visitors who utilize Farrington Highway in the vicinity of Nanakuli. The rehabilitated bridge will decrease the annual operation and maintenance costs for HDOT.

Project Website: None

Neighborhood(s): Waianae Coast

Estimated Total Project Cost: \$10,500,000
(May include project costs outside of the 4-year TIP and 2 informational years.)

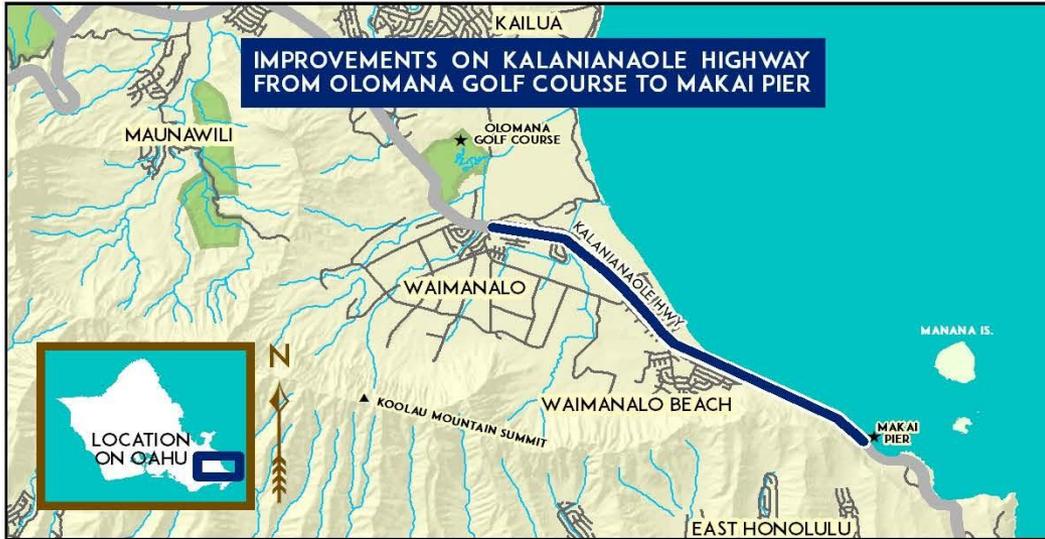
Project Sponsor: State of Hawaii (FHWA Funded)

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

All values are in thousands of 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)	
ROW	0	0	0	0	0	0	0	0	0	0	0	0	603	482	121	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8,490	6,792	1,698	NHPP

OS26 Kalanianaʻole Highway (Route 72) Improvements, Olomana Golf Course to Vicinity of Makai Pier



TIP Revision #21 Details:

Request to reduce scope to include only resurfacing. Other improvements to be considered at a later time (C.3).

Project Description:

Construct traffic operational and safety improvements on Kalanianaʻole Highway, from Poalima Street to vicinity of Makai Pier. Project includes turning lanes, bus pullouts, bicycle facility improvements, lighting improvements and road way resurfacing.

Project Website: None

Neighborhood(s): Waimanalo

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	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			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)														
<i>Phase 2 Resurfacing - Poalima Street to Huli Street</i>																				
DES	0	0	0	3,876	3,101	775	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	2,750	2,200	550	0	0	0	0	Eamark HP
CON	0	0	0	0	0	0	0	0	0	0	0	0	4,250	1,400	2,850	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,000	-2,000	0	NHPP

OS58 Interstate Route H-1, Corridor Study, Short Term Improvements



TIP Revision #21 Details:

Request to delete project; the intended scope for this project is already being addressed in OS67(C.2).

Project Description:

Develop top Short Term Capacity/Congestion improvements in the Final H-1 Corridor Improvement Study

Project Website: None

Neighborhood(s): H-1 Travel Corridor

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)

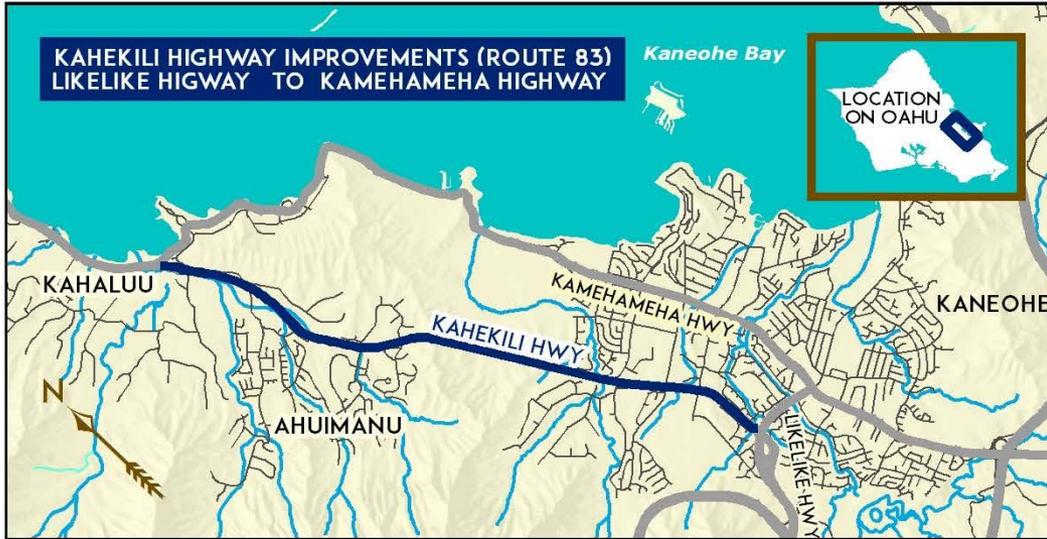
Agency Responsible for Carrying Out Project/Phase:

Hawaii Department of Transportation

All values are in thousands of 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)		
PE1	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	0	NHPP

OS60 Kahekili Highway (Route 83) Improvements, Likelike Hwy (Route 63) to Kamehameha Hwy (Route 6510)



TIP Revision #21 Details:

Request to delete project; contraflow to address congestion. A new traffic study is needed. The project will be reprioritized (C.2).

Project Description:

Capacity improvements through the defined limits, which could include widening and/or improving intersections. Estimated Total Project cost is based on a potential full build alternative

Project Website: None

Neighborhood(s): Kaneohe, Kahaluu

Estimated Total Project Cost: \$68,000,000
(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)	
PE2	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

OS24 Kalaniana'ole Highway (Route 72), Bridge Replacement, Inoa'ole Stream Bridge, Waimanalo



TIP Revision #21 Details:

Request to delete project; bridge not structurally deficient. The project will be reprioritized (C.2).

Project Description:

Replace the existing bridge.

Project Website: None

Neighborhood(s): Waimanalo

Estimated Total Project Cost: \$11,500,000
(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

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)	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)		
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

OS42 Kualakai Parkway (Route 8930) Extension



TIP Revision #21 Details:

Request to delete project; projected current and near-term traffic demand will not justify. The project will be reprioritized (C.2).

Project Description:

Extend Kualakai Parkway approximately 0.3 miles from Kapolei Parkway to Roosevelt Avenue.

Project Website: None

Neighborhood(s): Ewa

Estimated Total Project Cost: \$20,000,000

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

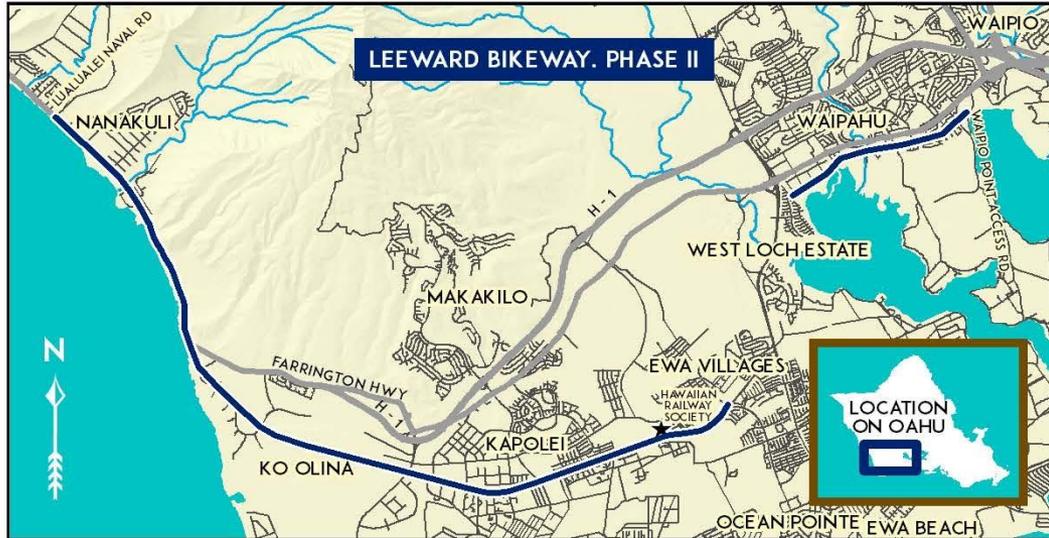
Project Sponsor: State of Hawaii (FHWA Funded)

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			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)														
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex

OS43 Leeward Bikeway, Waipio Point Access Road to Hawaiian Railway Society



TIP Revision #21 Details:

Request to defer Phase 2 and develop separately; Phase 1 is a stand-alone, independent project (C.3).

Project Description:

Improve the bikeway/bike path from the Hawaii Railway Society to Waipio Point Access Road.

Project Website: None

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

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

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

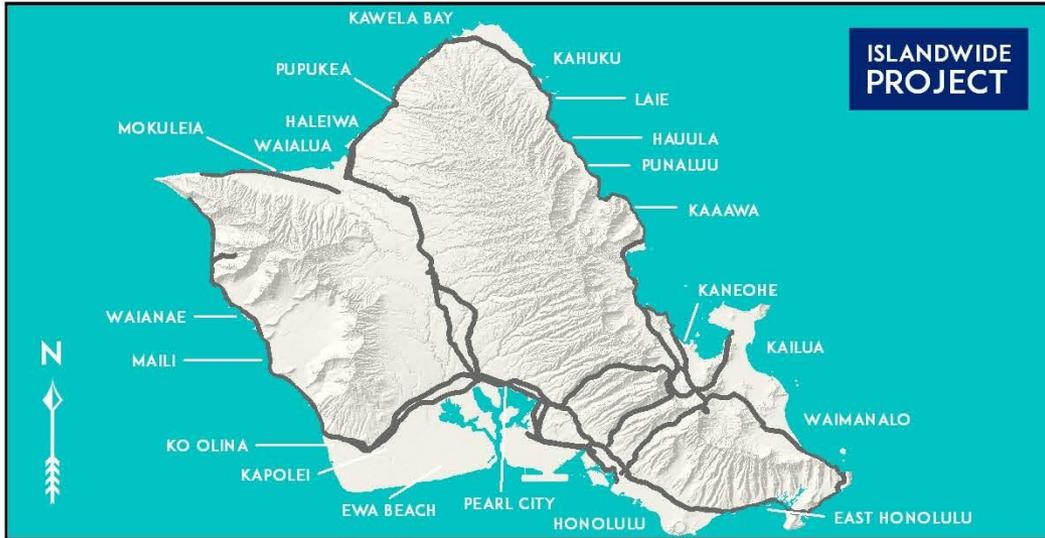
Project Sponsor: State of Hawaii (FHWA Funded)

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>Waipio Point Access Road to Hawaiian Railway Society</i>																				
CON	0	0	0	0	0	0	0	0	0	9,360	100	9,260	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	Enhance	

OS63 Traffic Counting Stations at Various Locations, Oahu



TIP Revision #21 Details:

Request to defer and inflate due to contracting delays (C.2).

Project Description:

Construction of traffic counting stations for traffic data gathering and planning purposes. There is a separate phase shown for the rest of the islands in Statewide section of the STIP. This is a part of phase 2 of the Statewide project. The project will collect required Highway Performance Monitoring System (HPMS) data.

Project Website: None

Neighborhood(s): Various Locations

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)

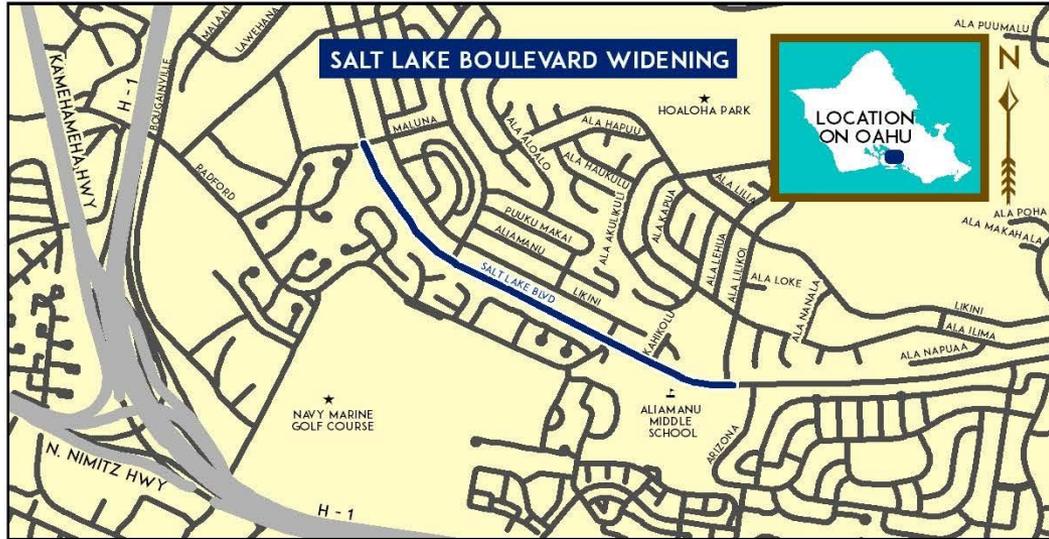
Agency Responsible for Carrying Out Project/Phase:

Hawaii Department of Transportation

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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			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)													
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,575	2,060	515	STP Flex

OC23 Salt Lake Boulevard Widening, Phase 3



TIP Revision #21 Details:

Request to add locally funded phases (Right of Way, Project Engineering Phase 1, Project Engineering Phase 2, and Inspection) and defer construction from FFY 2018 to FY 2020. (C.2).

Project Description:

To widen the Salt Lake Boulevard to a multi-lane roadway within the existing 100' right-of-way between Maluna and Ala Lilikoi Streets.

Project Website: None

Neighborhood(s): Aliamanu-Salt Lake-Foster Village

Estimated Total Project Cost: \$87,280,000
(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 Design and Construction

FOR INFORMATION ONLY

								FFY 2018			FFY 2019			FFY 2020					
	(x\$1000)	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal		Local							
PE1	0	0	0	0	0	0	0	0	10	0	10	0	0	0	0	0	0	0	Local Only
PE2	0	0	0	0	0	0	0	0	500	0	500	10	0	10	0	0	0	0	Local Only
ROW	0	0	0	0	0	0	0	0	0	0	0	100	0	100	0	0	0	0	Local Only
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34,365	2,865	31,500	0	Local Only
INSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,000	0	9,000	0	STP Flex

OC27 Farrington Highway (Routes 7100 and 9107) Improvements



TIP Revision #21 Details:

Request to add a new project to the TIP (C.1).

Project Description:

Construct improvements to enhance sub-regional roadway connectivity and mobility, increase capacity and accommodate multi-modal transportation options, from Kapolei Golf Course Road to west of Fort Weaver Road. The project might be constructed in phases.

Project Website: None

Neighborhood(s): Ewa, Waipahu

Estimated Total Project Cost: \$142,050,000

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

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

Agency Responsible for Carrying Out Project/Phase:

City Department of Design and Construction

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

Phase	FFY 2015			FFY 2016			FFY 2017			FFY 2018			FOR INFORMATION ONLY FFY 2019			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)													
PE1	0	0	0	0	0	0	10	0	10	90	0	90	50	0	50	0	0	0	Local Only
PE2	0	0	0	0	0	0	990	0	990	10	0	10	4,000	0	4,000	1,000	0	1,000	Local Only
ROW	0	0	0	0	0	0	0	0	0	900	0	900	0	0	0	15,000	0	15,000	Local Only
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only



Title VI/Environmental Justice Analysis

- Equity

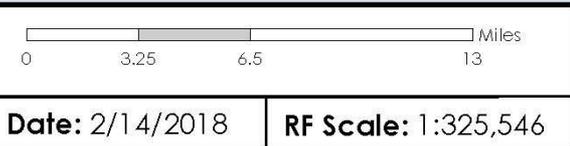
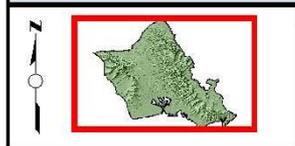
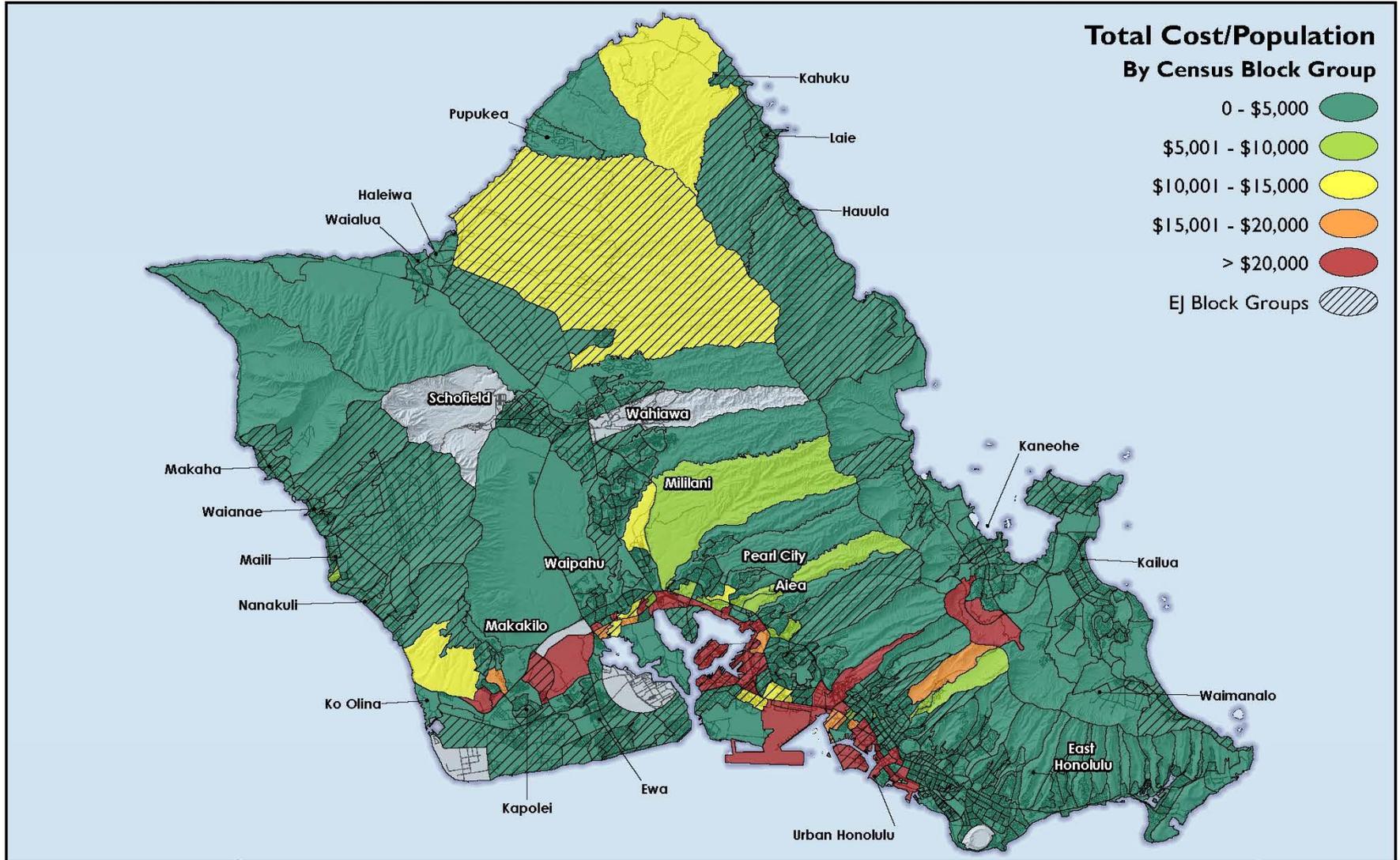
- Percent investment by Census block group

- Investment in T6/EJ Census block groups: 29%
- Census block groups designated as T6/EJ: 23%
- Indicates more than an equal share of investment

- Average per capita investment

- T6/EJ: \$3,333
- Non T6/EJ: \$3,698
- T6/EJ block groups receive about \$365 less per capita in TIP expenditures than non T6/EJ block groups.
- ***Indirect benefits to T6/EJ areas are not measured in this analysis

Total Per Capita Spending - TIP 2015 - 2018 - Revision 21



Imagery: WV-2 Satellite Orthoimagery, USDA NRCS.
Streets: City & County of Honolulu centerlines.

APPENDIX B

INTERGOVERNMENTAL REVIEW & PUBLIC COMMENT

FOR THE DRAFT FFYS 2015-2018 TRANSPORTATION IMPROVEMENT PROGRAM (TIP) - REVISION 21

The intergovernmental review and public comment period for the Draft FFY 2015-2018 Transportation Improvement Program Revision 21 began on January 25, 2018 and concluded on February 7, 2018. The Draft Revision 21 document was mailed and emailed to one hundred agencies and organizations for their review.

SUBJECT	SUMMARY OF COMMENT	RESPONSE
OC27	University of Hawai'i West O'ahu: The project appears to be incorrectly represented in Revision 21. It erroneously describes a project from the OR&L Right of Way to the Waipi'o Soccer Park. The project map is also missing the Oahu inset.	OahuMPO has worked with the Department of Transportation Services to remedy the errors in the latest draft of Revision 21.
OC27	University of Hawai'i West O'ahu: UH West O'ahu supports the proposed Farrington Highway improvements at 4 lanes with protected pedestrian and bicycle improvements that allow for the safe and comfortable circulation and network connectivity along Farrington Highway. 6 lanes should not be warranted with the availability and access to rail transit in this segment. Furthermore, the added lanes may likely compromise the street section design and the needed width for appropriate pedestrian and bicycle path widths and shade trees.	Department of Design and Construction (DDC): The Farrington Highway Improvements project is in its planning stage. The final accepted proposed roadway section and required right-of-way will be based on the approved Traffic Impact Assessment Report and Environmental Assessment.
OC27	Department of Design and Construction (DDC): The project and title and description should be, "Farrington Highway (Routes 7100 and Routes 9107) Improvements".	OahuMPO has remedied the errors in the latest draft of Revision 21.
OC27	Department of Design and Construction (DDC): The project description should read, "Construct improvements to enhance sub-regional roadway connectivity and mobility, increase capacity and accommodate multi-modal transportation options, from Kapolei Golf Course Road to west of Fort Weaver Road. The project might be constructed in phases."	OahuMPO has remedied the errors in the latest draft of Revision 21.

APPENDIX B

INTERGOVERNMENTAL REVIEW & PUBLIC COMMENT

FOR THE DRAFT FFYS 2015-2018 TRANSPORTATION IMPROVEMENT PROGRAM (TIP) - REVISION 21

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SUBJECT	SUMMARY OF COMMENT	RESPONSE
OS63	<p>Andrea Anixt: I think it is bad timing to request to defer and delete traffic counting stations construction. Oahu needs traffic data gathering for planning purposes, probably the most of all the islands. Is there a list of the various locations affected by this? With a projected 9.5 million visitors in 2018 to the state, and Hawaii's low ranking on national lists of highway performance levels, good new data could merit our state more federal infrastructure dollars to help remedy this problem.</p>	<p>Hawaii Department of Transportation (HDOT): According to the approved (November 2, 2017) Flash Report that HWY-PH processed, construction funds for OS63 were deferred in the STIP (Oahu TIP) from 2017 (with AC in 2018) to FFY 2020 due to delays in negotiating with the selected consultant, and changes in scope (to prevent installing stations that would be removed or destroyed due to other upcoming roadway projects). These issues have delayed the NTP for PE1/PE2 (NTP for PE1 was only given in January 2017. PE1 is anticipated to be completed in August 2018) and have extended the time required to complete PE1/PE2. The new construction RTA is February 2020, therefore the need for the deferral.</p>

THE FOLLOWING AGENCIES RESPONDED WITH NO COMMENT

- | | |
|---|--|
| ◇ Oceanic Time Warner Cable | ◇ Honolulu Board of Water Supply |
| ◇ Department of Education - Transportation Branch | ◇ Department of Budget and Fiscal Services |
| ◇ US Fish and Wildlife | ◇ Hawaii Community Development Authority |
| ◇ Department of Planning and Permitting | ◇ Department of Hawaiian Home Lands |
| ◇ Department of Parks and Recreation | |



Questions?

MAHALO!