

# TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL FISCAL YEARS 2019–2022



*Oahu* MPO

ALL PROJECTS AS OF  
**REVISION 21**

# TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL FISCAL YEARS 2019 - 2022

**As of Revision 21**

July 2021



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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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# 1. ABBREVIATIONS

## 1.1 OVERALL INITIALISMS AND ACRONYMS

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

## 1.2 PROJECT LISTING ABBREVIATIONS

### ***FHWA Funding Categories***

BUILD	2019 BUILD Transportation Grant
OS Bridge	Bridge On/Off-System
CMAQ	Congestion Mitigation and Air Quality Program
Earmark HP	Earmark High Priority
Enhance	Transportation Enhancement Program
NHPP	National Highway Performance Program
HSIP	Highway Safety Improvement Program
RTP	Recreational Trails Program
SRTS	Safe Routes to School
STP Flex	Surface Transportation Program (Flexible)
TAP	Transportation Alternatives Program
TAP-U	Transportation Alternatives Program for Urbanized Areas

### ***FTA Funding Categories***

§5307/5340	Urbanized Area Formula/ Growing States and High-Density States Formula
§5309	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 INTRODUCTION

The *Transportation Improvement Program – Federal Fiscal Years 2019 - 2022 (TIP)* was prepared in accordance with the requirements of 23 U.S.C. 134 and 23 CFR 450 Part 300. This legal framework describes and prioritizes the surface transportation programs and projects that the Oahu Metropolitan Planning Organization (OahuMPO) Policy Board has selected for implementation during the program period. OahuMPO's TIP is the adopted, short-term program of public transit, highway, bicycle, and pedestrian projects that will receive federal transportation funds here on Oahu. The TIP needs to be financially constrained; that is, there must be a reasonable expectation that projects that are identified will have the necessary federal and local funding.

The FFYs 2019-2022 TIP covers a period of four years (FFYs 2019-2022) and contains two additional years (FFYs 2023 and 2024) for informational purposes ("information only"). The TIP will be updated at least every four years, and revised as needed. Once approved by the Policy Board and Governor (or Governor's designee), the TIP becomes the Oahu element of the Statewide TIP (STIP).

The following types of projects are included in the TIP:

- Surface transportation projects that are proposed to be funded with federal funds;<sup>1</sup>
- Regionally significant projects that require action by the Federal Highway Administration (FHWA) or the Federal Transit Administration (FTA), regardless of if these projects are federally funded; and
- Regionally significant projects that are proposed to be funded with non-federal funds or with federal funds other than those administered by the FHWA or the FTA, such as congressional earmarks. These projects are included in the TIP for informational purposes.

The TIP identifies transportation programs and projects totaling approximately \$3.4 billion to be implemented during the four-year program period. The projects include those eligible for federal funding assistance, as well as regionally significant locally funded projects.

<sup>1</sup> Under 23 U.S.C. and 49 U.S.C. Chapter 53 (including transportation enhancements, Federal Lands Highway Program projects, safety projects included in the State's

Strategic Highway Safety Plan, trails projects, pedestrian walkways, and bicycle

# 3 DEVELOPMENT PROCESS

Many of the projects in the TIP are programmed over several years. For example, a highway improvement project consists of right-of-way acquisition, planning, design, and construction phases. Each of these phases may last one or more years. In addition to new projects, the TIP includes many projects that were programmed in previous years.

The TIP development process spans more than a year. The process is illustrated in Figure 1 and described below.

## 3.1. DEVELOPMENT OF FINANCIAL ESTIMATES

OahuMPO, HDOT, DTS and HART cooperatively formulate estimates of FHWA and FTA funds that are reasonably expected to be available for projects on the island of Oahu. These estimates are usually based on historic data.

## 3.2. CALL FOR PROJECTS

OahuMPO formally calls for projects from the implementing agencies. In response, the HDOT, DTS and HART submit projects to be considered for inclusion in the TIP.

## 3.3. PUBLIC OUTREACH

### 3.3.1. Visualization

For visualization purposes, project location maps are developed for each project in the draft TIP, as applicable. Additional interactive project location maps are posted onto the OahuMPO

website that allow the user to display layers that compare how each proposed project interacts with other plans and programs (e.g., conservation, natural resources, etc.).

### 3.3.2. Interested Parties

Opportunities are provided for interested parties to review and comment on the draft TIP project listing and financial plan. The draft TIP, as well as the interactive project location maps, are posted on the OahuMPO website during the public comment period. Information on the draft TIP is also distributed to the public via email or direct mail.

### 3.3.3. Public Open House

OahuMPO hosted three public open house dates: June 20, 21, and 28, 2018. The open houses were an opportunity for the public to provide OahuMPO feedback about projects scheduled in the TIP, and to ask questions about the TIP, its processes, and projects.

### 3.3.4. Agency Consultations

Details on the draft TIP are also circulated under OahuMPO's intergovernmental review process. A goal of the TIP process is to promote stakeholder relationships that foster cooperative efforts to achieve common transportation goals. Agencies responsible for planning activities that may be affected by the

proposed transportation project are consulted for their perspectives on planning issues, needs, and priorities. Stakeholder agencies are provided with details on each TIP project, as well as the interactive project location maps, and are consulted with to ensure compatibility with their respective plans, maps, inventories, and planning documents.

#### ***3.3.5. Responses to Comments Received***

All comments received, as well as responses to the comments, are provided to the Policy Board for their consideration when selecting projects for the final TIP. All comments made are provided in the comments disposition section (Appendix B).

### **3.4. TECHNICAL PROJECT EVALUATIONS**

Various technical project evaluations are performed on the draft TIP for the purposes of assisting the Policy Board in selecting projects. These technical evaluations include the following:

- Compliance with federal planning factors
- Detailed project evaluations, including consistency with relevant management system priorities
- Consistency with the Oahu Regional Transportation Plan (ORTP)
- Consistency with the Oahu Regional Intelligent Transportation System (ITS) Architecture
- Title VI (T6) and Environmental Justice (EJ) analysis
- Congestion Management Process (CMP) analyses.

The Technical Advisory Committee reviews the results of the technical evaluations prior to making a recommendation to the Policy Board.

### **3.5. PROJECT SELECTION**

After reviewing the results of the agency consultations and the technical analyses, the Technical Advisory Committee makes a recommendation to the Policy Board regarding endorsement of the TIP. The Policy Board decides whether to endorse the TIP after considering and discussing the early project recommendations, public comments on the draft TIP, the results of the technical analyses, and the Technical Advisory Committee's recommendation. Following endorsement by the Policy Board, the TIP is also sent to the Governor's designee for approval. On June 17, 2015, Governor David Y. Ige re-designated the HDOT Director as the official responsible for approving the TIP and its amendments.

### **3.6. INCORPORATION OF THE TIP INTO THE STIP**

Upon approval by the Policy Board and the Governor's designee, the TIP is incorporated, without change, as the Oahu element of the STIP

### **3.7. FHWA AND FTA ACTION ON THE STIP**

The TIP is jointly approved by FHWA and FTA as part of the STIP. The decision-making is dependent on the thoroughness and completion of the statewide transportation planning process used in developing the STIP, as required by federal code and regulation.

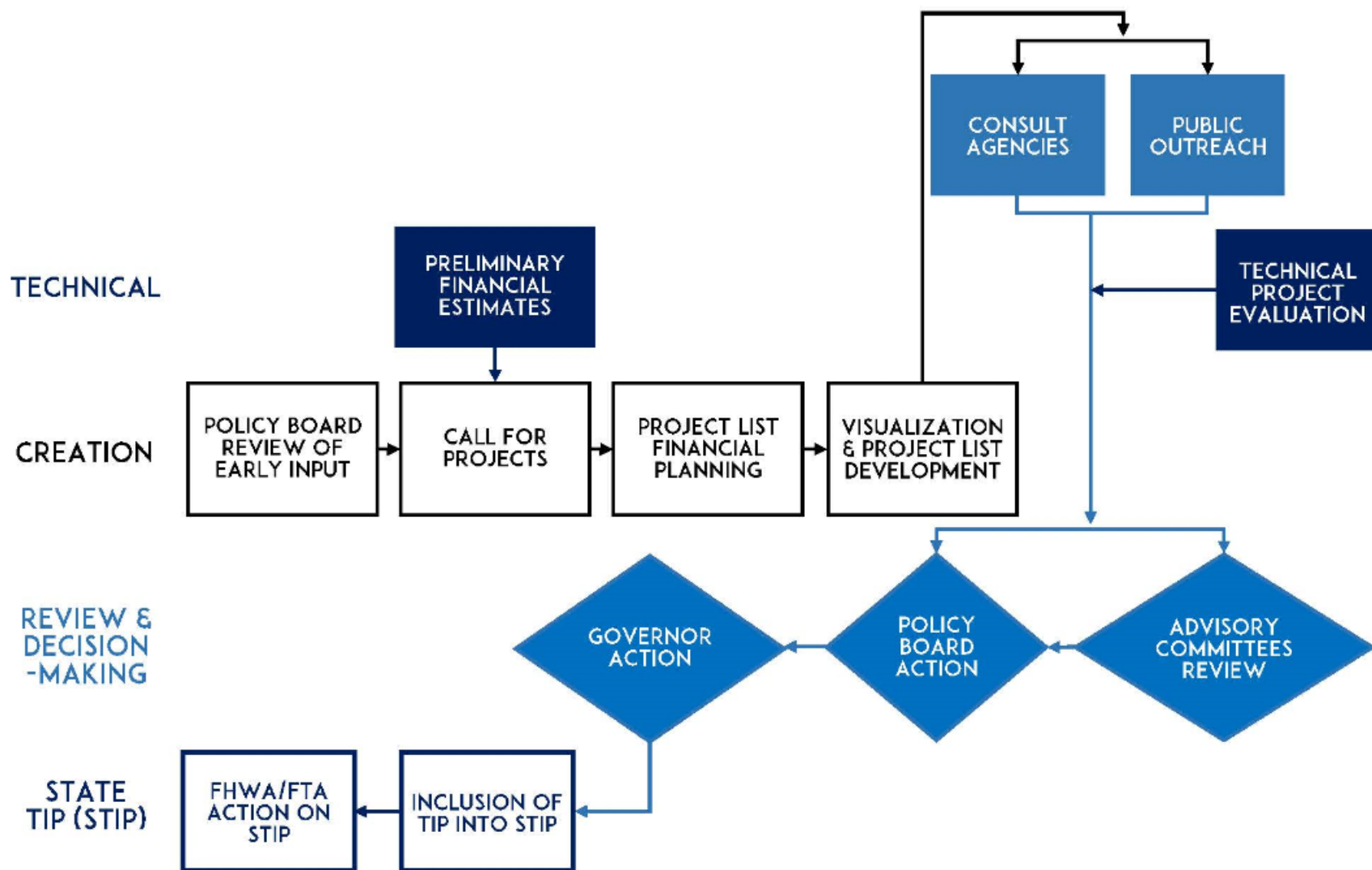


Figure 1. TIP Process

# 4 REVISIONS

The TIP covers a period of no more than four years, and a new TIP will be adopted every four years. The TIP is frequently revised to reflect changes in project delivery schedules, changes in cost estimates and/or in scope, and changes in management systems and administrative priorities. These revisions are required to assure the efficient use of the annually apportioned federal funds. The following administrative provisions have been established to promote timely implementation and oversight of the TIP. A revision refers to a change to the TIP that occurs between triennial updates. A minor revision is an “administrative modification,” while a major revision is an “amendment.”

## 4.1. ADMINISTRATIVE MODIFICATIONS

Administrative modifications are minor revisions to the TIP. The Policy Board has identified two types of administrative modifications: pre-approved and expedited. These revisions do not require solicitation of public comment or re-demonstration of financial constraint. However, the following must be true:

- The administrative modifications must not affect the financial constraint of the TIP.
- The administrative modifications must not result in the addition or deletion of another project, including the deferral of a project to a year that is outside of the four-year TIP.
- The affected project’s implementing agency must concur with the actions.

### 4.1.1. Pre-approved Administrative Modifications

To prevent TIP procedures from becoming overly burdensome, federal regulations allow procedures for administrative modifications to be commensurate with its perceived impact. Recognizing the need to streamline the process for these minor changes, the Policy Board has pre-approved certain administrative modifications under the following circumstances:

- The sum of regular formula FHWA funds programmed for Oahu is not reduced; and
- The administrative modification does not change the design concept or scope of the project, or the prescribed environmental determination under the National Environmental Policy Act (NEPA) process.

The Policy Board is provided with copies of pre-approved administrative modifications.

### 4.1.2. Expedited Administrative Modifications

Requests for expedited approval of administrative modifications are submitted directly to the Policy Board without prior review by the Technical Advisory Committee or solicitation of public comment.

## **4.2.AMENDMENTS**

Amendments are revisions to the TIP that involve a major change to a project in the TIP. TIP amendments are submitted to the Technical Advisory Committee, the Policy Board, and the Governor's designee for action. Financial constraint is re-demonstrated, and the technical project analyses are reevaluated. Public comments are also solicited based on the strategies and procedures outlined in the OahuMPO Participation Plan.

## **4.3.REVISION EXAMPLES**

Table 1 (Pages 13-14) provides examples of administrative modifications and amendments.



Table 1. Examples of Administrative Modifications and Amendments.

Revision	A. Pre-Approved Administrative Modification	B. Expedited Administrative Modification	C. Amendment*
<b>Project</b>	<ol style="list-style-type: none"> <li>1. Advancing a project from its programmed year if it is ready-to-go.**</li> <li>2. Deferring a project to a later year within the current TIP if it is not ready-to-go as originally programmed.</li> <li>3. Revising, clarifying, or expanding a project's description as long as the project's scope is not modified.</li> <li>4. Splitting or grouping projects (e.g., guardrail replacement or bridge rehabilitation) as long as the scope remains unchanged, and the funding amounts stay within the guidelines in Table 2, C.8.</li> <li>5. Adding or deleting projects from grouped listings as long as the funding amounts stay within the guidelines in Table 2, C.8.</li> <li>6. Revising projects that are included in the TIP for illustrative purposes</li> </ol>	<ol style="list-style-type: none"> <li>1. Changing the scope of a project to accommodate prescribed actions made under NEPA processes and requirements</li> <li>2. Changing the size of revenue rolling stock (e.g., vans, 30' buses, 40' buses, 60' buses) if the change results in a change in the total carrying capacity by 20 percent or less.</li> <li>3. Changing the quantity for revenue rolling stock that exceeds 20 percent (plus or minus) of the original quantity, if the change in quantity results in a change in the total carrying capacity by 20 percent or less</li> </ol>	<ol style="list-style-type: none"> <li>1. Adding a project to the TIP.</li> <li>2. Deleting a project from the TIP, including deferring a project to a year that is outside of the four-year TIP.</li> <li>3. Modifying the design concept or design scope of a programmed project (e.g., changing the project termini or the number of through traffic lanes).</li> <li>4. For projects programmed with FTA funds, a change in a project's scope is considered "major" if the change materially alters the objective or description of the project, or the size, type, or quantity of items. Examples include: <ol style="list-style-type: none"> <li>a. Changing from replacement buses to expansion buses (and vice versa);</li> <li>b. Changing the size of revenue rolling stock (e.g., vans, 30' buses, 40' buses, 60' buses) if the change results in a change in the total carrying capacity by more than 20 percent.</li> <li>c. Changing the quantity for revenue rolling stock that exceeds 20 percent (plus or minus) of the original quantity, if the change in quantity results in a change in the total carrying (plus or minus) of the original quantity, if the change in quantity results in a change in the total carrying capacity by more than 20 percent.</li> </ol> </li> </ol>

<b>Revision</b>	<b>A. Pre-Approved Administrative Modification</b>	<b>B. Expedited Administrative Modification</b>	<b>C. Amendment*</b>
<b>Project Phase***</b>	7. Deleting or deferring a project phase to a year that is outside of the four-year TIP, as long as another phase of the project remains in the TIP and the project's scope is not modified.	4. Adding a project phase to an existing project, as long as the phase is estimated to be \$3 million or less and the project's scope is not modified.	5. Adding a project phase to an existing project, if the phase is estimated to be more than \$3 million.  6. Deferring a project phase to a year that is outside of the four-year TIP, when there are no other project phases in the TIP and the project's scope is modified
<b>Funding Source</b>	8. Revising the source of federal funds designated for a project to reflect a different funding program administered by the same U.S. DOT operating agency (e.g., NHS to STP).  9. Changing a project's funding from federal to local or state funding.  10. Adding additional federal funding, such as congressional earmarks or discretionary funds, to a project currently included in the TIP.	5. Changing a project's funding from local or state funds to federal funds	7. Switching from FTA to FHWA funds (and vice versa).
<b>Cost Estimates</b>	11. Revising the amount programmed for a project phase to reflect changes in cost estimates, as long as it does not meet the thresholds identified in Table 2, C.8.	6. Reducing the sum of regular formula FHWA funds programmed for Oahu.	8. Revising the amount programmed for a project phase, if all of these thresholds are met: a. The total estimated project cost after the revision, exceeds \$10 million; and b. The amount programmed for the federal portion of the project cost is increased by more than 50%; and c. The total estimated project cost is increased by more than \$3 million.

**FOOTNOTES**

\* Amendments include revisions that are not listed as administrative modifications.

\*\* Projects must be "ready-to-go" in the year that they are programmed to be funded, as defined in 23 CFR 450.220(e). Projects must have cleared previous federal requirements, which include:

a. Construction projects must have FHWA-approved Plans, Specifications, and Estimates (PS&E).

b. For projects heading into construction, land for the project must also have already been acquired. c. Design projects must have cleared all NEPA requirements.

d. Rights-of-Way acquisition cannot occur without clearing NEPA requirements.

e. All projects must also have the appropriate matching local funds in place.

\*\*\* For example, design or right-of-way, as defined in 23 CFR 450.324(e). Refer to Section 1.2.4 for a list of project phases.

# 5 TIP HISTORY

**5.1 REVISION HISTORY.** The TIP was endorsed by the Policy Board in July 2018 and revised 21 times (Table 2.). The revision documents are on the OahuMPO webpage: <http://www.oahumpo.org/plans-and- programs/transportation- improvement-program-tip/>.

Table 2. Revisions as of July 2021

## PRE-APPROVED ADMINISTRATIVE MODIFICATIONS

REVISION NUMBER	DETAILS
1	January 2019: Deferred projects, refined project phasing, revised cost estimates.
4	June 2019: Deferred and inflated projects, refined phasing and cost estimates.
7	September 2019: Deferred and inflated projects, refined phasing.
8	February 2020: Deferred projects, refined project phasing, revised cost estimates
11	June 2020: Deferred and inflated projects, defederalized and refined phasing, revised cost estimates
14	August 2020: Deferred projects and updated costs
15	January 2021: Deferred projects, refined project phasing, revised cost estimates
18	May 2021: Deferred and advanced projects, refined phasing, and revised cost estimates
21	July 2021: Added illustrative projects to allow for application for congressionally-directed spending funds

## EXPEDITED ADMINISTRATIVE MODIFICATIONS

REVISION NUMBER	DETAILS
2	February 2019: Deferred projects, revised funding categories, and revised cost estimates.
5	July 2019: Advanced and deferred project phases, changes to funding categories and cost estimates.
9	February 2020: Added phases to existing projects
12	June 2020: Added and deleted project phases
16	February 2021: Added phases to projects and increased the size of revenue rolling stock

19 July 2021: Revised phases, increased size of revenue rolling stock, federalized project

## AMENDMENTS

REVISION NUMBER	DETAILS
3	February 2019: Re-added project, removed projects, deferred projects, added phasing.
6	August 2019: Added additional phases, deflate phase costs, defer and inflate phase costs, add projects, and change project limits.
10	February 2020: New projects added, new phases to existing projects, revised total estimated project costs, change in project limits
13	June 2020: Added and re-added projects, new project phases added to existing projects
17	February 2021: Added new projects and deferred project phases to outside the 4-year TIP
20	July 2021: Added new project and program, flexed FHWA funds to FTA , added new project phase

# 6 PROJECT LISTING

## 6.1 LIST OF PROJECTS

The TIP project listing below is in alphabetical order and is grouped by project sponsor and federal funding. A TIP project identification number is also identified for each project. A project number preceded by an “O” which represents that the project is located on Oahu, followed by an “S” for State-sponsored project or a “C” for City-sponsored project. All dollar amounts are in thousands (x1000).

### FHWA FUNDED PROJECTS:

#### STATE OF HAWAII

#### TOTAL AMOUNT PROGRAMMED (x1000)

PROJECT NUMBER AND PROJECT NAME (ALPHABETICAL ORDER)		for information only						Total	page
		2019	2020	2021	2022	2023	2024		
OS87	Ala Moana Boulevard Elevated Pedestrian Walkway	0	0	25,000	0	0	0	25,000	22
OS1	Bridge and Pavement Improvement Program, Oahu	35,400	66,625	35,400	35,400	35,400	35,400	243,625	23
OS76	Bridge Rehabilitation Program, Various Locations	0	0	0	0	500	2,000	2,500	25
OS77	Bridge Replacement Program, Various Locations	0	0	0	0	400	1,500	1,900	26
OS78	Bridge Seismic Retrofit Program, Various Locations	0	0	0	0	400	1,000	1,400	27
OS12	Destination Sign, Upgrade and Replacement	0	700	750	13,261	1,122	10,660	26,493	28
OS4	Farrington Highway (Route 93), Bridge Replacement, Makaha Bridges #3 & #3A	1,200	22,200	0	0	0	0	23,400	30
OS69	Farrington Highway (Route 93), Safety Improvements, H-1 Freeway to Pohakunui Avenue	0	0	7,000	0	0	0	7,000	31
OS5	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78)	0	740	12,300	3,300	1,200	20,000	37,540	32
OS57	Freeway Management System, Joint Traffic Managment Center Operations (State)	0	350	350	350	350	350	1,750	34
OS9	Freeway Service Patrol	3,500	4,500	4,000	4,000	4,000	4,000	24,000	35
OS10	Guardrail and Shoulder Improvements, Various Locations	177	100	2,170	100	2,000	0	4,547	36
OS82	Interstate Route H-1 Improvements, Eastbound, Ola Lane Overpass to Vineyard Boulevard	0	0	55,000	0	0	0	55,000	37
OS20	Interstate Route H-1 Safety Improvements, Beginning of H-1 (Palailai Interchange) to Waiawa Overpass	0	9,690	0	0	0	0	9,690	38

PROJECT NUMBER AND PROJECT NAME (ALPHABETICAL ORDER)		2019	2020	2021	2022	2023	2024	Total	Page
OS59	Interstate Route H-1, Eastbound Improvements, Waikele to Halawa Interchange	0	2,000	0	0	0	106,000	108,000	39
OS14	Interstate Route H-1, Guardrail and Shoulder Improvements, Kapiolani Interchange to Ainakoa Avenue	11,500	0	0	0	0	0	11,500	40
OS17	Interstate Route H-1, Kapolei Interchange Complex	0	0	0	0	0	37,000	37,000	41
OS67	Interstate Route H-1, Reconstruction and Repair, Eastbound, Waimalu Interchange to Halawa	0	0	0	0	0	0	0	42
OS74	Interstate Route H-1, Seismic Retrofit, McCully Street Separation	0	0	0	286	429	2,440	3,155	43
OS70	Interstate Route H-1, Seismic Retrofit, Waialae Viaduct	0	0	900	1,000	6,100	0	8,000	44
OS11	ITS Operation and Maintenance	285	285	500	500	500	500	2,570	45
OS26	Kalanianaʻole Highway (Route 72) Resurfacing, Poalima Street to Vicinity of Makai Pier	0	0	19,125	0	0	0	19,125	46
OS61	Kamehameha Highway (Route 83), Realignment, Vicinity of Kawailoa Beach	0	0	2,055	0	1,020	0	3,075	47
OS28	Kamehameha Highway (Route 83), Bridge Replacement, Kaipapau Stream Bridge	0	0	20,500	0	0	0	20,500	48
OS29	Kamehameha Highway (Route 83), Bridge Replacement, Kaluanui Stream Bridge	0	677	9,400	0	0	0	10,077	49
OS31	Kamehameha Highway (Route 83), Bridge Replacement, Laieloa Stream Bridge	0	0	14,645	0	0	0	14,645	50
OS71	Kamehameha Highway (Route 83), Bridge Replacement, Paumalu Bridge	0	0	0	0	0	1,060	1,060	51
OS34	Kamehameha Highway (Route 83), Bridge Replacement, Waiahole Stream Bridge	0	0	0	16,130	0	0	16,130	52
OS72	Kamehameha Highway (Route 83), Bridge Replacement, Waimanana Bridge	0	0	0	665	950	755	2,370	53
OS36	Kamehameha Highway (Route 83), Bridge Replacement, Waipilopilo Stream Bridge	0	0	0	10,862	0	0	10,862	54
OS84	Kamehameha Highway (Route 83), Intersection Improvements at Kahekili Highway	0	0	5,000	0	0	0	5,000	55
OS75	Kamehameha Highway (Route 83), Rockfall Protection, Waimea Bay	0	0	1,225	2,402	20,000	1,000	24,627	56
OS41	Kamehameha Highway (Route 83), Wetland Enhancement, Vicinity of Ukoa Pond	0	0	0	2,040	0	0	2,040	57
OS43	Leeward Bikeway, Philippine Sea Road to Waipahu Depot Street	9,454	0	0	0	0	0	9,454	58

PROJECT NUMBER AND PROJECT NAME (ALPHABETICAL ORDER)						for information only		Total	Page
		2019	2020	2021	2022	2023	2024		
OS46	Moanalua Freeway (Route H-201), Highway Lighting Improvements, Halawa to H-3 Freeway Overpass	0	0	9,200	0	0	0	9,200	62
OS62	Pali Highway (Route 61) Resurfacing & Lighting Improvements, Vineyard Blvd (Route 98) Kamehameha Highway (Route 83)	0	42,000	0	0	0	0	42,000	63
OS49	Recreational Trails Program-Oahu	359	359	359	359	359	359	2,154	64
OS52	Sand Island Access Road (Route 64), Truck Weigh Station, Kapalama Container Terminal	0	0	7,200	0	0	0	7,200	65
OS79	Shoreline Protection/Mitigation Program	0	1,000	1,500	4,000	2,000	24,500	33,000	66
OS63	Traffic Counting Stations at Various Locations, Oahu	0	0	0	2,700	0	0	2,700	68
OS80	Traffic signal Modernization at Various Locations, Ph1	0	6,250	0	0	0	0	6,250	69

## CITY AND COUNTY OF HONOLULU

## TOTAL AMOUNT PROGRAMMED (x1000)

PROJECT NUMBER AND PROJECT NAME (ALPHABETICAL ORDER)						for information only		Total	Page
		2019	2020	2021	2022	2023	2024		
OC1	Alapai Transportation Management Center	2,750	500	463	475	488	875	5,551	71
OC2	Bikeway Improvements Program	0	201	0	307	414	1,530	2,452	72
OC3	Bridge Inspection, Inventory, and Appraisal	1,270	1,270	1,270	1,270	1,270	1,270	7,620	73
OC4	Computerized Traffic Control System	0	500	315	571	7,825	3,925	13,136	74
OC-21-60	Electrification of Transportation	0	0	0	0	2,451	0	2,451	75
OC27	Farrington Highway (Routes 7100 and 9107) Improvements	4,000	0	520	15,000	72,000	0	91,520	76
OC29	Federal Lands Access Program (FLAP)	733	137	0	0	1,375	0	2,245	77
OC32	Oahu Traffic Signal Controller Modernization, Phase 1	0	0	8,650	0	0	0	8,650	78
OC23	Salt Lake Boulevard Widening, Phase 3	110	26,020	16,410	2,020	8,955	8,955	62,470	79
OC8	Traffic Improvements at Various Locations	200	8,126	0	5,254	1,275	160	15,015	80
OC10	Traffic Signals at Various Locations	3,914	250	1,800	4,357	7,037	13,417	30,775	82
OC26	Transportation Alternative Program (State)	425	0	0	0	218	0	643	84
OC25	Transportation Alternatives Program (MPO) at Various Locations	300	0	500	3,600	16,828	0	21,228	85

## FTA FUNDED PROJECTS:

### STATE OF HAWAII

		TOTAL AMOUNT PROGRAMMED (x1000)							
						for information only			
PROJECT NAME (ALPHABETICAL ORDER)		2019	2020	2021	2022	2023	2024	Total	Page
OS68	State Safety Oversight Program	290	299	307	316	326	336	1,874	87
OS50	Transportation Assistance for Elderly and Disabled	544	560	576	594	613	632	3,519	88

### CITY AND COUNTY OF HONOLULU

		TOTAL AMOUNT PROGRAMMED (x1000)							
						for information only			
PROJECT NAME (ALPHABETICAL ORDER)		2019	2020	2021	2022	2023	2024	Total	Page
OC13	Bus and Handi-Van Acquisition Program	28,712	45,889	31,111	22,528	45,620	23,436	197,296	90
OC14	Bus Stop ADA Access and Site Improvements	741	1,148	615	380	380	380	3,644	93
OC24	Capital Training	26	28	0	29	30	30	143	94
OC16	Honolulu Rail Transit Project	0	0	1,250,500	469,500	312,500	156,250	2,188,750	95
OC-21-59	Intermodal Connectivity - TA Set-Aside (OahuMPO)	0	0	5,250	0	0	38,000	43,250	96
OC31	Middle Street Transit Center	0	0	6,288	0	0	0	6,288	97
OC20	Preventive Maintenance	26,250	26,250	26,250	26,250	26,250	26,250	157,500	98
OC21	Transit Safety and Security Projects	380	367	806	380	381	385	2,699	99



## **6.2 Project Information Sheets**

### **6.2.1 FHWA-Funded Projects**

#### **6.2.1.1 Oahu State (OS) Projects**

**Project Description:**

The project will create an elevated walkway for pedestrians and bicyclists to cross busy Ala Moana Boulevard to remove interaction of pedestrians and vehicles at grade. Scope of work is anticipated to include constructing a new pedestrian bridge across Ala Moana Boulevard including excavation, dewatering, foundations, walkway, handrails, lighting, landscaping, sidewalks, utility relocation, signing, striping, traffic signal improvements and temporary traffic control.

**Mile Post/s:****Complete Streets (CS):**

**Project will implement:** No information available. However, CS principles will be considered in all Highway Projects.

**Existing Feature/s:** No information available.

**Project Website:**

**Neighborhood(s):** Ala Moana-Kakaako

**Estimated Total Project Cost:** \$25,000,000

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

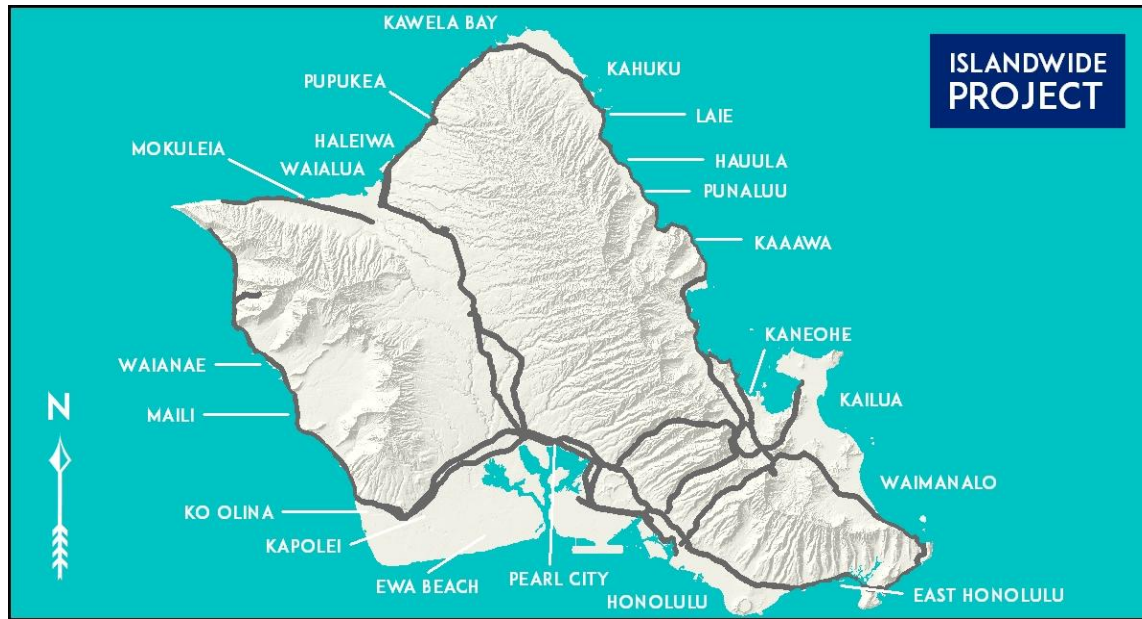
**Project Sponsor:** State of Hawaii (FHWA Funded)

**Agency Responsible for Carrying Out Project/Phase:**

Hawaii Department of Transportation

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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	25,000	20,000	5,000	0	0	0	0	0	0	0	0	0	BUILD
Total	0	0	0	0	0	0	25,000	20,000	5,000	0	0	0	0	0	0	0	0	0	

**Project Description:**

This is an ongoing islandwide program for the system maintenance of highway bridges and pavement. 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.

**Mile Post/s:** Not applicable

**Complete Streets (CS):**

**Project will implement:** No information available. However, CS principles will be considered in all Highway projects.

**Existing Feature/s:** No information available.

**Project Website:** <http://hidot.hawaii.gov/highways/other/otherrelated-links/stip>

**Neighborhood(s):** Various Locations

**Estimated Total Project Cost:** \$212,400,000

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

**Project Sponsor:** State of Hawaii (FHWA Funded)

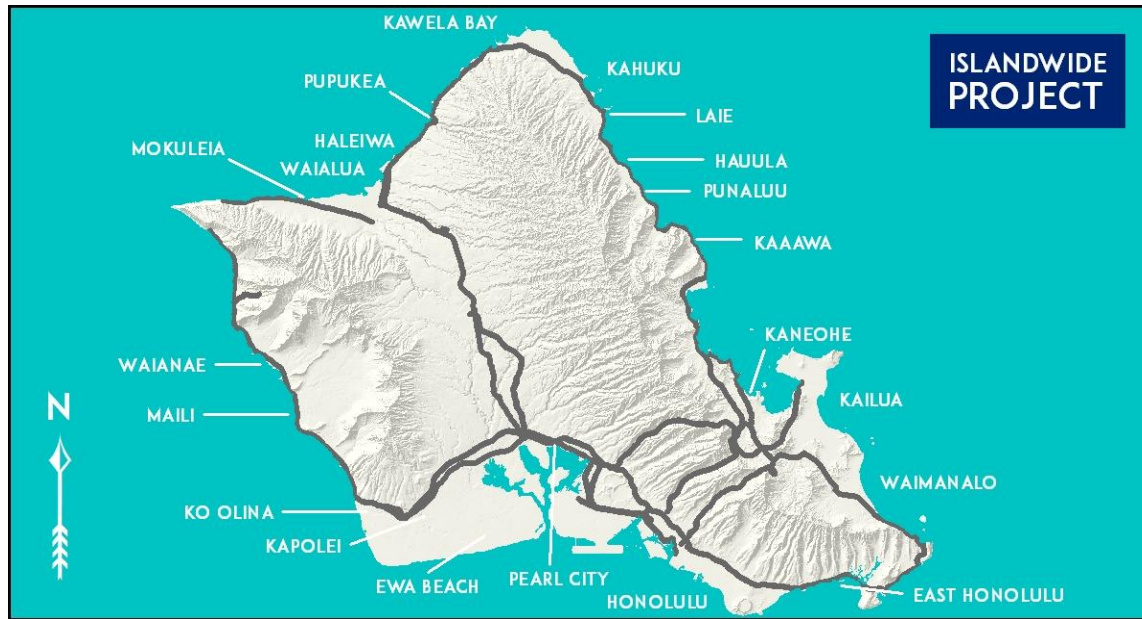
**Agency Responsible for Carrying Out Project/Phase:**  
Hawaii Department of Transportation

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)		
Interstate H-1 Airport Viaduct Rehab																				
CON	0	0	0	24,125	17,800	6,325	0	0	0	0	0	0	0	0	0	0	0	0	NHPP	
ADVCON	0	0	0	0	0	0	0	1,500	-1,500	0	0	0	0	0	0	0	0	0	NHPP	
Bridge and Pavement Improvement Program, Oahu																				
CON	35,400	0	35,400	4,900	0	4,900	35,400	0	35,400	35,400	0	35,400	35,400	0	35,400	35,400	0	35,400	Local Only	
Kalihi Street (Route 63) Resurfacing: MP 0-1.15																				
ADVCON	0	2,000	-2,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP	
Kamehameha Hwy, Kamananui Rd and Wilikina Dr Rehab																				

**OS1 Bridge and Pavement Improvement Program, Oahu**

													FOR INFORMATION ONLY						
	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	
Phase	(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)	Funding Category
Kamehameha Hwy, Kamananui Rd and Wilikina Dr Rehab																			
CON	0	0	0	28,000	400	27,600	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	11,000	-11,000	0	3,000	-3,000	0	8,000	-8,000	0	0	0	NHPP
SEP-14 Bridge/Pavement SMP Work Orders																			
CON	0	0	0	9,600	5,800	3,800	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	1,900	-1,900	0	0	0	0	0	0	0	0	0	NHPP
Total	35,400	2,000	33,400	66,625	24,000	42,625	35,400	14,400	21,000	35,400	3,000	32,400	35,400	8,000	27,400	35,400	0	35,400	

**Project Description:**

This program will fund projects generated from the priorities identified in the Bridge Management System (BRM).

**Mile Post/s:** Not applicable

**Complete Streets (CS):**

**Project will implement:** No information available. However, CS principles will be considered in all Highway Projects.

**Existing Feature/s:** No information available.

**Project Website:** None

**Neighborhood(s):** Various Locations

**Estimated Total Project Cost:** \$41,920,000

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

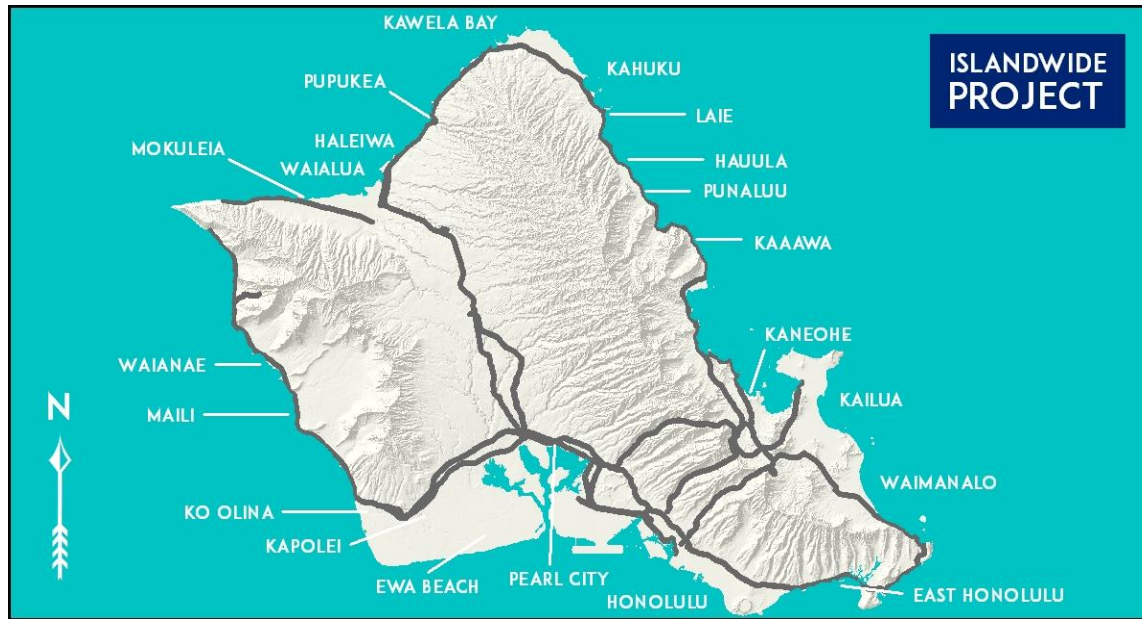
**Project Sponsor:** State of Hawaii (FHWA Funded)

**Agency Responsible for Carrying Out Project/Phase:**

Hawaii Department of Transportation

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
Various Locations TBD by BRM																			
PE1	0	0	0	0	0	0	0	0	0	0	0	0	500	0	500	500	0	500	NHPP
PE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	800	200	NHPP
ROW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	500	0	500	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
Total	0	0	0	0	0	0	0	0	0	0	0	0	500	0	500	2,000	800	1,200	

**Project Description:**

This program will fund projects based on priorities generated from the Bridge Management System (BRM).

**Mile Post/s:** Not applicable

**Complete Streets (CS):**

**Project will implement:** No information available. However, CS principles will be considered in all Highway Projects.

**Existing Feature/s:** No information available.

**Project Website:** None

**Neighborhood(s):** Various Locations

**Estimated Total Project Cost:** \$67,055,000

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

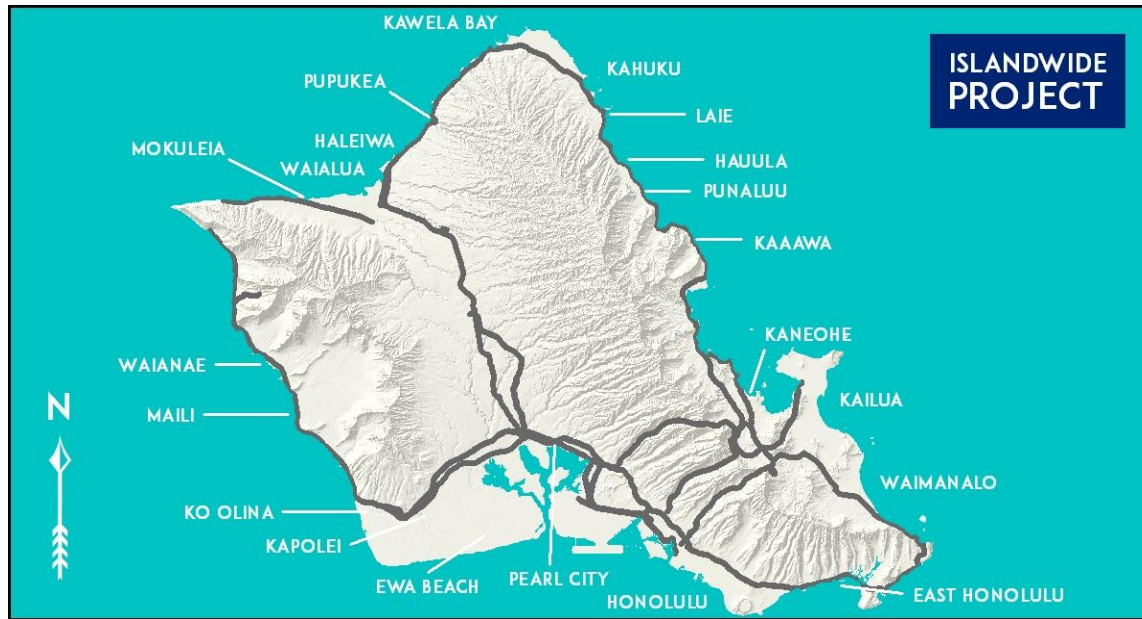
**Project Sponsor:** State of Hawaii (FHWA Funded)

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

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
Various Locations TBD by BRM																			
PE1	0	0	0	0	0	0	0	0	0	0	0	0	400	0	400	400	0	400	NHPP
PE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	600	480	120	NHPP
ROW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	500	0	500	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
Total	0	0	0	0	0	0	0	0	0	0	0	0	400	0	400	1,500	480	1,020	



**Project Description:**

This program will fund projects based on priorities generated from the Seismic Retrofit program.

**Mile Post/s:** Not applicable

**Complete Streets (CS):**

**Project will implement:** No information available. However, CS principles will be considered in all Highway Projects.

**Existing Feature/s:** No information available.

**Project Website:** None

**Neighborhood(s):** Various Locations

**Estimated Total Project Cost:** \$4,861,000

(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 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
Various Locations TBD by Seismic Retrofit Managememe																			
PE1	0	0	0	0	0	0	0	0	0	0	0	0	400	0	400	400	0	400	NHPP
PE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	600	480	120	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Total	0	0	0	0	0	0	0	0	0	0	0	0	400	0	400	1,000	480	520	

# OS12 Destination Sign, Upgrade and Replacement



## Project Description:

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

**Mile Post/s:** Not applicable

## Complete Streets (CS):

**Project will implement:** No information available. However, CS principles will be considered in all Highway Projects.

**Existing Feature/s:** No information available.

**Project Website:** None

**Neighborhood(s):** Various Locations

**Estimated Total Project Cost:** \$29,000,000

(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

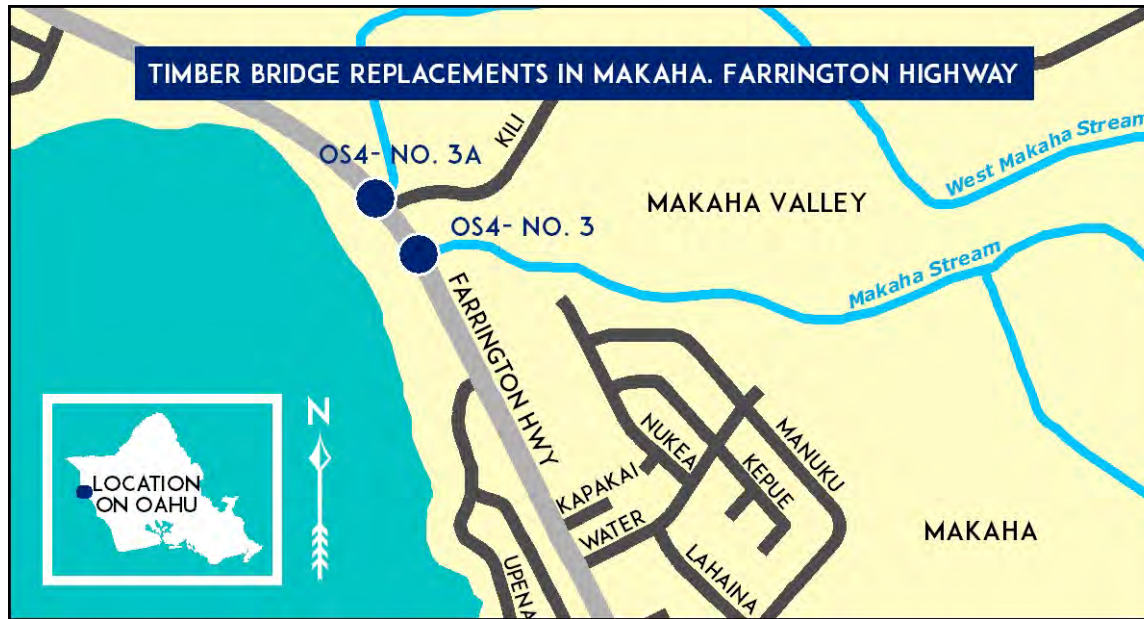
## FOR INFORMATION ONLY

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
INSP	0	0	0	0	0	0	750	600	150	3,000	2,400	600	0	0	0	0	0	0	NHPP
Phase 2																			
ADVCON	0	400	-400	0	600	-600	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Phase 3																			
PE2	0	0	0	700	560	140	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	9,700	2,000	7,700	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	5,760	-5,760	0	0	0	NHPP
Phase 4																			
PE1	0	0	0	0	0	0	0	0	0	561	449	112	0	0	0	0	0	0	NHPP
PE2	0	0	0	0	0	0	0	0	0	0	0	0	816	653	163	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,200	4,160	6,040	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Phase 5																			



**OS12 Destination Sign, Upgrade and Replacement**

													FOR INFORMATION ONLY							Funding Category
FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024					
Phase	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)		
Phase 5																				
PE1	0	0	0	0	0	0	0	0	0	0	0	0	306	245	61	0	0	0	NHPP	
PE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	460	368	92	NHPP	
Total	0	400	-400	700	1,160	-460	750	600	150	13,261	4,849	8,412	1,122	6,658	-5,536	10,660	4,528	6,132		



**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.

**Mile Post/s:** MP 14.20 to MP 14.10

**Complete Streets (CS):**

**Project will implement:** Shared-use paths of 10 feet or greater width

**Existing Feature/s:** No information available.

**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

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
ROW	1,200	960	240	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	22,200	760	21,440	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	5,000	-5,000	0	12,000	-12,000	0	0	0	0	0	0	NHPP
Total	1,200	960	240	22,200	760	21,440	0	5,000	-5,000	0	12,000	-12,000	0	0	0	0	0	0	



**Project Description:**

Scope includes, but is not limited to, the installation of milled rumble strips or rumble edge stripes on shoulders/median; installation of milled rumble strips on centerline; widening shoulders where possible; installation of speed feedback sign; installation of concrete median barrier at U-turn; and installation of pavement markings and signage.

**Mile Post/s:** MP 0 to MP 4.4

**Complete Streets (CS):**

**Project will implement:** No information available. However, CS principles will be considered in all Highway Projects.

**Existing Feature/s:** No information available.

**Project Website:** None

**Neighborhood(s):** Waianae Coast

**Estimated Total Project Cost:** \$7,200,000

(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

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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	7,000	3,600	3,400	0	0	0	0	0	0	0	0	0	HSIP
ADVCON	0	0	0	0	0	0	0	0	0	0	2,000	-2,000	0	0	0	0	0	0	HSIP
Total	0	0	0	0	0	0	7,000	3,600	3,400	0	2,000	-2,000	0	0	0	0	0	0	

**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.

**Mile Post/s:** Queen Liliuokalani Freeway: MP 0.00 to MP 27.16, Veterans Memorial Freeway: MP 0.00 to MP 8.33, John A. Burns Freeway: MP 0.00 to MP 15.32

**Complete Streets (CS):**

**Project will implement:** No information available. However, CS principles will be considered in all Highway Projects.

**Existing Feature/s:** No information available.

**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

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
Phase 2A																			
ADVCON	0	4,960	-4,960	0	3,000	-3,000	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Phase 3, Unit 1																			
PE2	0	0	0	740	592	148	0	0	0	0	0	0	0	0	0	0	0	0	NHPP

													FOR INFORMATION ONLY						
	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	
Phase	(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)	Funding Category
Phase 3, Unit 1																			
CON	0	0	0	0	0	0	11,500	4,958	6,542	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	1,242	-1,242	0	3,000	-3,000	0	0	0	NHPP
Phase 3A																			
CON	0	0	0	0	0	0	0	0	0	2,500	2,000	500	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
Phase 4																			
PE1	0	0	0	0	0	0	800	640	160	0	0	0	0	0	0	0	0	0	NHPP
PE2	0	0	0	0	0	0	0	0	0	0	0	0	600	540	60	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,000	4,000	6,000	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Phase 5																			
PE1	0	0	0	0	0	0	0	0	0	800	720	80	0	0	0	0	0	0	NHPP
PE2	0	0	0	0	0	0	0	0	0	0	0	0	600	540	60	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,000	4,000	6,000	NHPP
Total	0	4,960	-4,960	740	3,592	-2,852	12,300	5,598	6,702	3,300	3,962	-662	1,200	4,080	-2,880	20,000	8,000	12,000	





**Project Description:**

These funds will be required for the State share of the annual operating expenses for the JTMC which includes normal building operations and a JTMC Manager. The State share has been calculated based on methodology that involves the estimated square footage that the State will occupy.

**Mile Post/s:**

**Complete Streets (CS):**

**Project will implement:** Not applicable

**Existing Feature/s:** Not applicable

**Project Website:** <http://www.honolulu.gov/jtmc>

**Neighborhood(s):** Ala Moana-Kakaako

**Estimated Total Project Cost:** \$2,100,000

(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

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
OPR	0	0	0	350	280	70	350	280	70	350	280	70	350	280	70	350	280	70	NHPP
Total	0	0	0	350	280	70	350	280	70	350	280	70	350	280	70	350	280	70	

**Project Description:**

Operate roving service patrols along the Interstate H-1, Moanalua Freeway, and Interstate H-2. Services include towing of disabled vehicles; removing debris; providing basic fire extinguisher use; deploying traffic control devices; assisting the Honolulu Police Department, Honolulu Fire Department, and Emergency Medical Services at crash scenes and other incidents; assisting sick or injured motorists with basic first aid; and notifying 911 of incidents.

**Mile Post/s:**

Queen Liliuokalani Freeway: MP 5.37 to MP 27.16, Veterans Memorial Freeway: MP 0.00 to MP 2.46, Moanalua Freeway: MP 0.00 to MP 4.09

**Complete Streets (CS):**

**Project will implement:** Not applicable

**Existing Feature/s:** Not applicable

**Project Website:** <http://www.fsphawaii.com>

**Neighborhood(s):** Various Locations

**Estimated Total Project Cost:** \$26,500,000

*(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 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
OPR	3,500	3,150	350	4,500	4,050	450	4,000	3,600	400	4,000	3,600	400	4,000	3,600	400	4,000	3,600	400	NHPP
Total	3,500	3,150	350	4,500	4,050	450	4,000	3,600	400	4,000	3,600	400	4,000	3,600	400	4,000	3,600	400	

**Project Description:**

Install and upgrade guardrails to bridge end post connections, bridge railing, guardrail end terminals, crash attenuators, miscellaneous drainage, and other appurtenant improvements.

**Mile Post/s:** Not applicable

**Complete Streets (CS):**

**Project will implement:** Install various safety features including guardrails and crash attenuators

**Existing Feature/s:** No information available.

**Project Website:** None

**Neighborhood(s):** Various Locations

**Estimated Total Project Cost:** \$4,547,000

(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

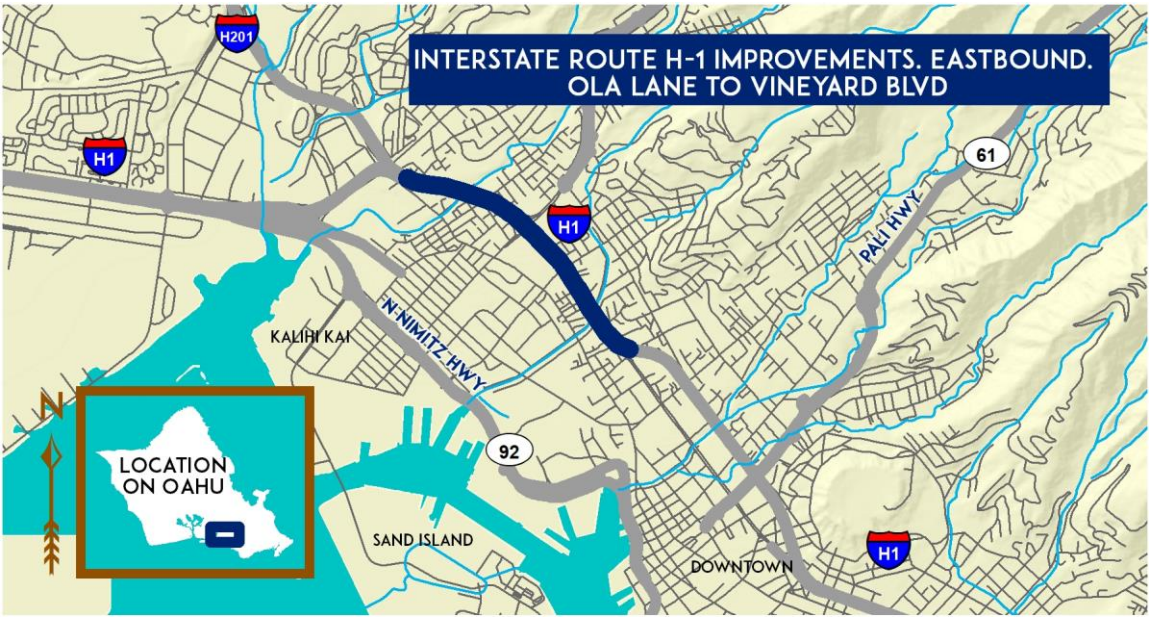
**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
Phase 2																			
PE1	177	0	177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	HSIP
PE2	0	0	0	100	0	100	0	0	0	0	0	0	0	0	0	0	0	0	HSIP
CON	0	0	0	0	0	0	2,000	1,600	400	0	0	0	0	0	0	0	0	0	HSIP
Phase 3																			
PE1	0	0	0	0	0	0	170	0	170	0	0	0	0	0	0	0	0	0	HSIP
PE1	0	0	0	0	0	0	0	0	0	100	0	100	0	0	0	0	0	0	HSIP
CON	0	0	0	0	0	0	0	0	0	0	0	0	2,000	1,600	400	0	0	0	HSIP
Total	177	0	177	100	0	100	2,170	1,600	570	100	0	100	2,000	1,600	400	0	0	0	



OS82

Interstate Route H-1 Improvements, Eastbound, Ola Lane Overpass to Vineyard Boulevard



Project Description:

Eastbound Operational/congestion improvements, and structural improvements to bridges within the limits.

Mile Post/s:

18.97 - 20.25

Complete Streets (CS):

Project will implement:

Existing Feature/s:

No information available.

Project Website:

Neighborhood(s):

Kalihi-Palama

Estimated Total Project Cost:

\$67,000,000

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

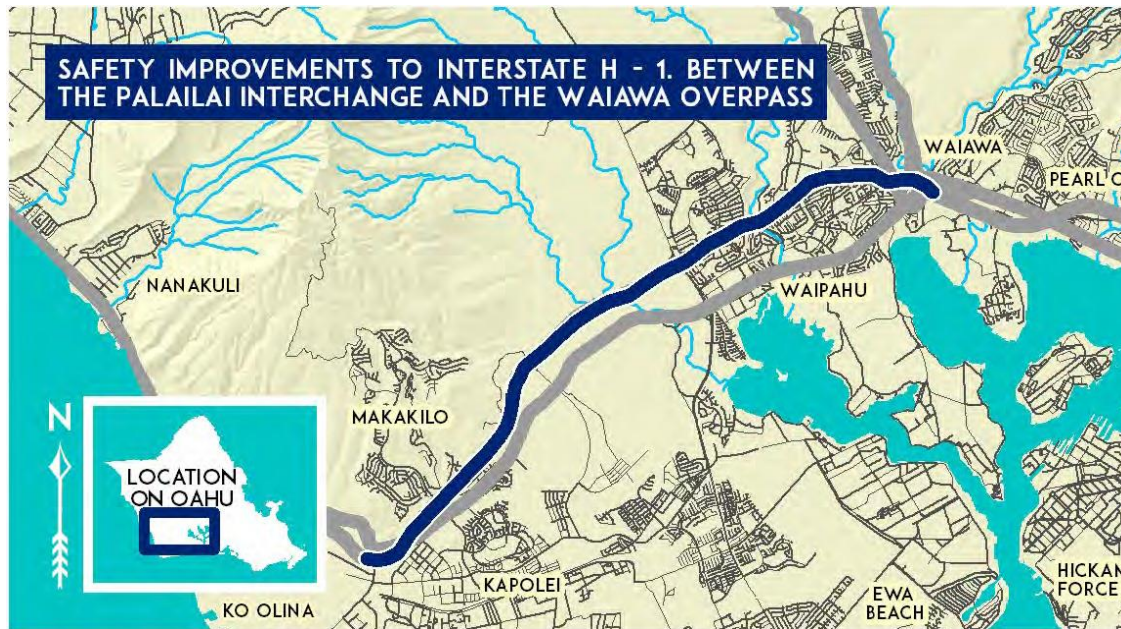
Project Sponsor:

State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:

Hawaii Department of Transportation

Phase	FOR INFORMATION ONLY																		Funding Category
	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			
	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)	
CON	0	0	0	0	0	0	55,000	36,000	19,000	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	8,000	-8,000	0	0	0	0	0	0	NHPP
Total	0	0	0	0	0	0	55,000	36,000	19,000	0	8,000	-8,000	0	0	0	0	0	0	

**Project Description:**

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

**Mile Post/s:** Queen Liliuokalani Freeway: MP 0.00 to MP 9.00

**Complete Streets (CS):**

**Project will implement:** Not applicable

**Existing Feature/s:** No information available.

**Project Website:** None

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

**Estimated Total Project Cost:** \$9,700,000

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

**Project Sponsor:** State of Hawaii (FHWA Funded)

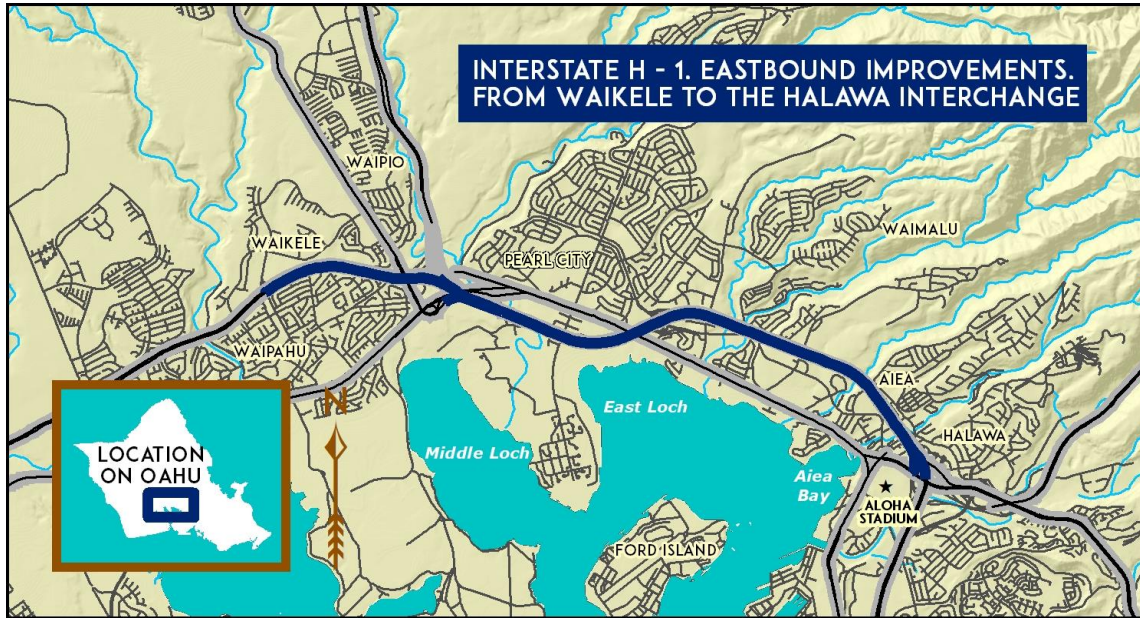
**Agency Responsible for Carrying Out Project/Phase:**

Hawaii Department of Transportation

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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	9,690	3,652	6,038	0	0	0	0	0	0	0	0	0	0	0	0	HSIP
ADVCON	0	0	0	0	0	0	0	4,100	-4,100	0	0	0	0	0	0	0	0	0	HSIP
Total	0	0	0	9,690	3,652	6,038	0	4,100	-4,100	0	0	0	0	0	0	0	0	0	





**Project Description:**

Capacity/congestion improvements through the most well-travelled section of the primary urban corridor. Improvements could include adding a through lane and/or improving ramps, shoulders, and geometrics.

**Mile Post/s:** MP 8.68 to MP 13.03

**Complete Streets (CS):**

**Project will implement:** Not applicable

**Existing Feature/s:** No information available.

**Project Website:** None

**Neighborhood(s):** H-1 Travel Corridor

**Estimated Total Project Cost:** \$110,000,000

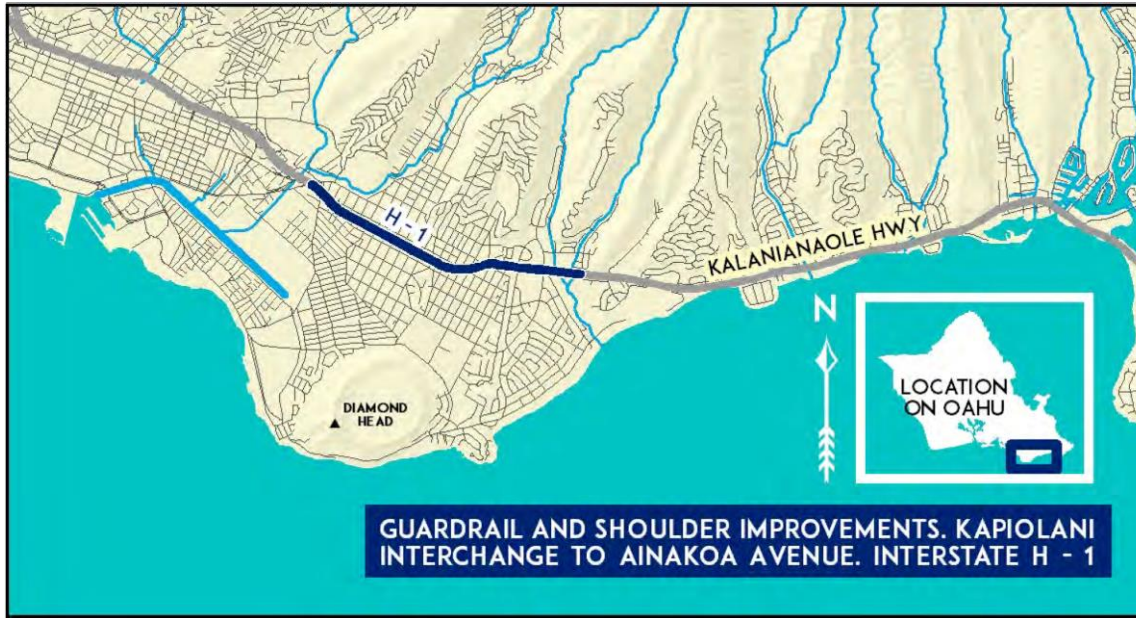
(May include project costs outside of the 4-year TIP and 2 informational years.)

**Project Sponsor:** State of Hawaii (FHWA Funded)

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

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
PE2	0	0	0	1,500	0	1,500	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
ROW	0	0	0	500	0	500	0	0	0	0	0	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	106,000	0	106,000	Local Only
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,000</b>	<b>0</b>	<b>2,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>106,000</b>	<b>0</b>	<b>106,000</b>	



**Project Description:**

Install and/or upgrade existing guardrails, crash cushions, and concrete barriers to meet current standards. Upgrade lighting.

On Westbound Kalanianaʻole Highway, just before the Ainakoa Intersection, the shoulder and bike lane tapers off until it disappears at Ainakoa. To the west on H-1, and on the off-ramp to below the viaduct towards Kahala Mall, a shoulder and bike lane reappears. The project will close that gap in the bike lane, by taking space from the median on H-1.

**Mile Post/s:** MP 25.24 to MP 27.16

**Complete Streets (CS):**

**Project will implement:** Close gap in bike lane.

**Existing Feature/s:** No information available.

**Project Website:** None

**Neighborhood(s):** Waialae-Kahala, Kaimuki, Diamond Head-Kapahulu-St. Louis Heights, McCully-Moiliili

**Estimated Total Project Cost:** \$12,500,000

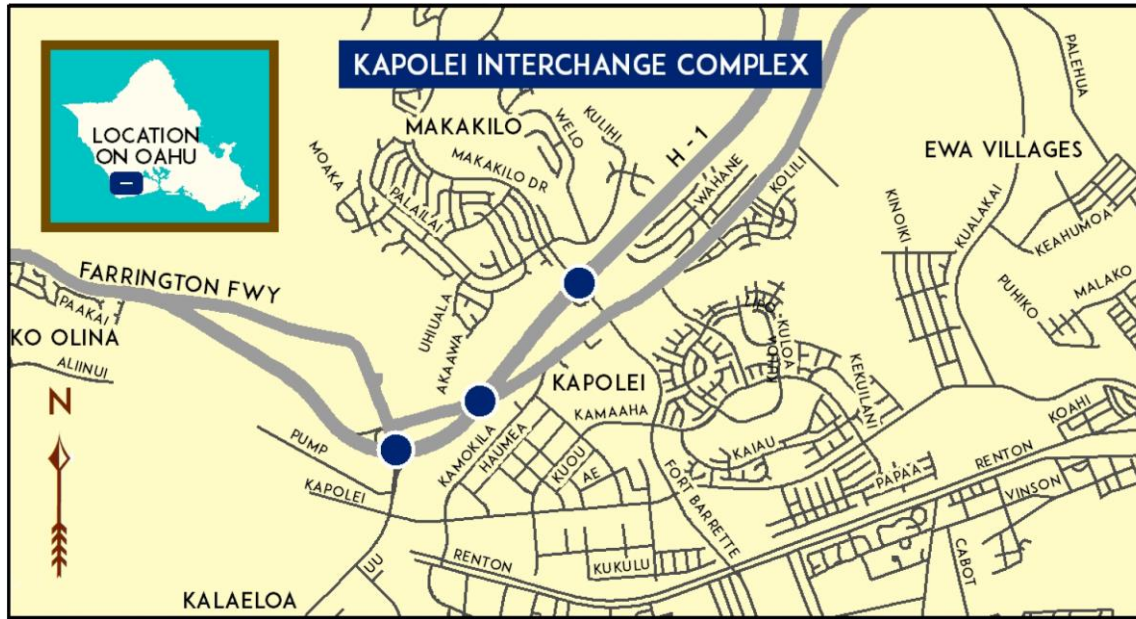
(May include project costs outside of the 4-year TIP and 2 informational years.)

**Project Sponsor:** State of Hawaii (FHWA Funded)

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

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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	11,500	500	11,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	5,000	-5,000	0	3,700	-3,700	0	0	0	0	0	0	0	0	0	NHPP
Total	11,500	500	11,000	0	5,000	-5,000	0	3,700	-3,700	0	0	0	0	0	0	0	0	0	



**Project Description:**

This project is a 4-Phase Kapolei Interchange Complex project. Addition and modification of the H-1 freeway accesses from Palakaoi Interchange to Makakilo Interchange are proposed to improve H-1 traffic operation and capacity, and to improve access to the City of Kapolei, Villages of Kapolei, Kapolei Business Park, Makakilo, Ko Olina, Barbers Point Harbor, Kalaeloa, and proposed future developments.

**Mile Post/s:** MP 0.34 to MP 0.79

**Complete Streets (CS):**

**Project will implement:** No information available.

**Existing Feature/s:** No information available. However, CS principles will be considered in all Highway Projects.

**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.)

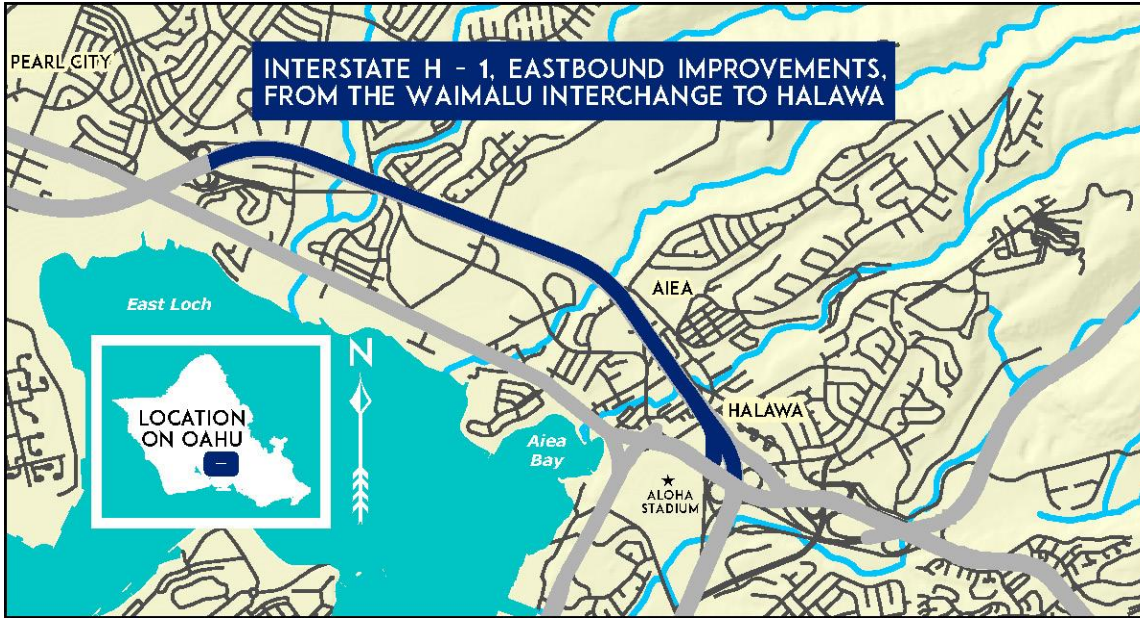
**Project Sponsor:** State of Hawaii (FHWA Funded)

**Agency Responsible for Carrying Out Project/Phase:**

Hawaii Department of Transportation

													FOR INFORMATION ONLY						
Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
Phase 2																			
ADVCON	0	5,000	-5,000	0	9,000	-9,000	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Phase 3																			
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37,000	0	37,000	NHPP
Total	0	5,000	-5,000	0	9,000	-9,000	0	0	0	0	0	0	0	0	0	37,000	0	37,000	





**Project Description:**

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

**Mile Post/s:**

**Complete Streets (CS):**

**Project will implement:** Not applicable

**Existing Feature/s:** No information available.

**Project Website:** None

**Neighborhood(s):** Aiea, Pearl City

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

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

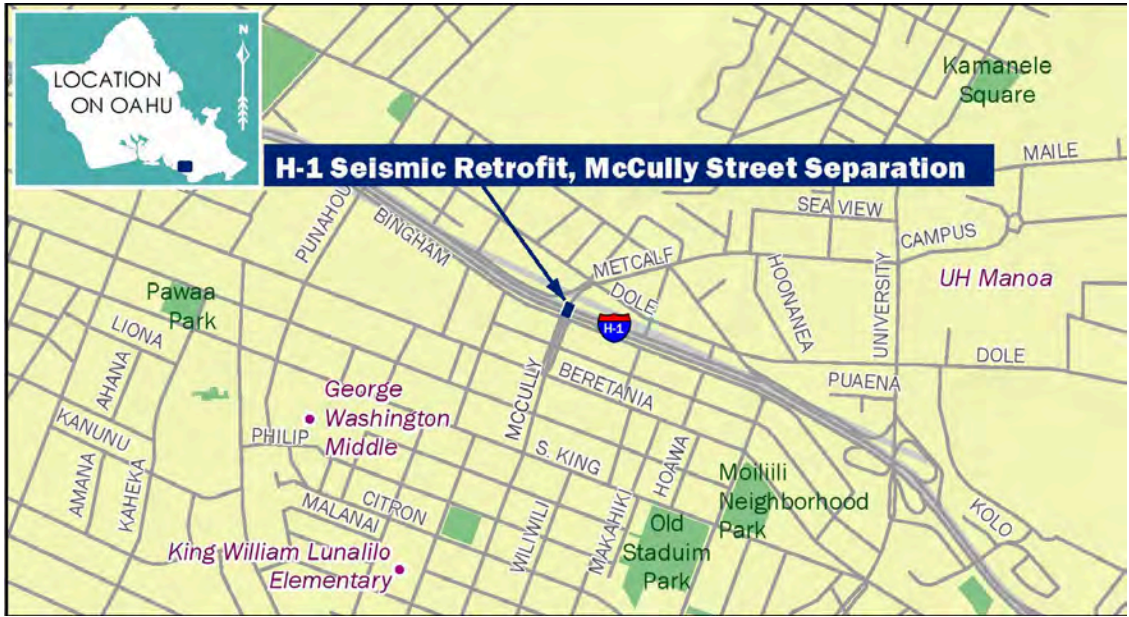
**Project Sponsor:** State of Hawaii (FHWA Funded)

**Agency Responsible for Carrying Out Project/Phase:**

Hawaii Department of Transportation

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)		
ADVCON	0	16,000	-16,000	0	25,000	-25,000	0	4,000	-4,000	0	0	0	0	0	0	0	0	0	0	NHPP
Total	0	16,000	-16,000	0	25,000	-25,000	0	4,000	-4,000	0	0	0	0	0	0	0	0	0	0	



**Project Description:**  
Retrofit interchange structures to meet current seismic standards.

**Mile Post/s:** MP 23.50

**Complete Streets (CS):**  
Project will implement: Not applicable

**Existing Feature/s:** No information available.

**Project Website:** None

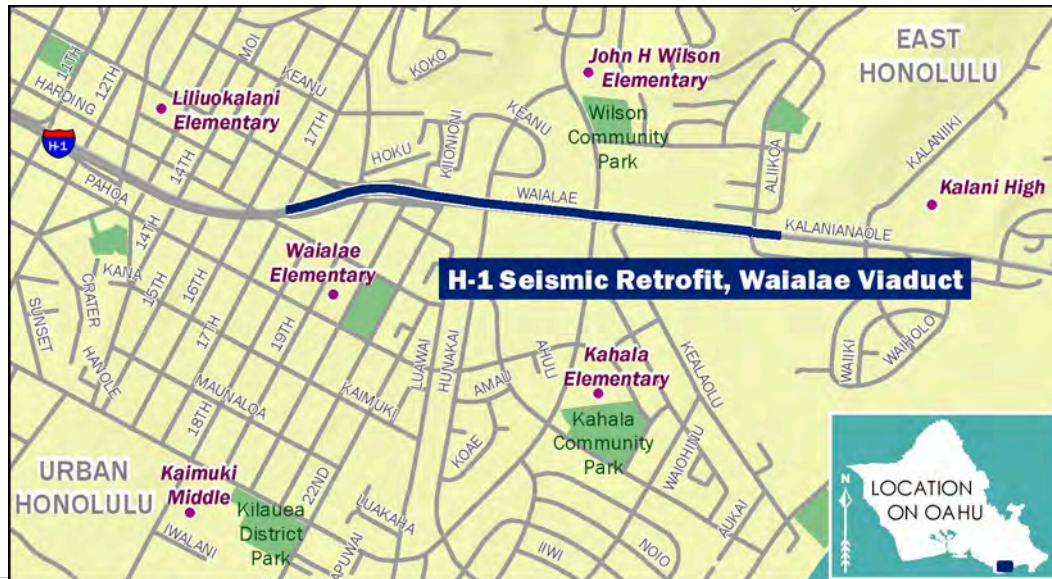
**Neighborhood(s):** McCully-Moiliili

**Estimated Total Project Cost:** \$3,155,000  
(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						Funding Category
FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024				
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	
Phase	(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	286	229	57	0	0	0	0	0	0	NHPP
PE2	0	0	0	0	0	0	0	0	0	0	0	0	429	343	86	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,440	1,952	488	NHPP
Total	0	0	0	0	0	0	0	0	0	286	229	57	429	343	86	2,440	1,952	488	



**Project Description:**

Retrofit interchange structures to meet current seismic standards.

**Mile Post/s:** MP 26.50 to MP 26.90

**Complete Streets (CS):**

**Project will implement:** Not applicable

**Existing Feature/s:** No information available.

**Project Website:** None

**Neighborhood(s):** Waialae-Kahala, Kaimuki

**Estimated Total Project Cost:** \$7,764,000

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

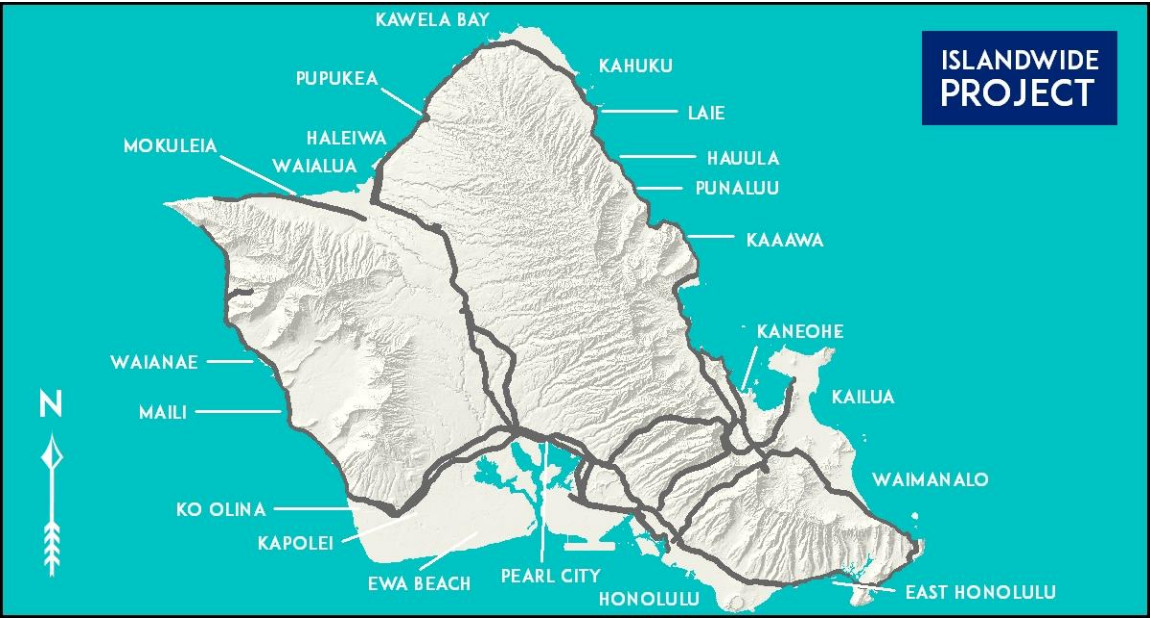
**Project Sponsor:** State of Hawaii (FHWA Funded)

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

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
PE1	0	0	0	0	0	0	900	720	180	0	0	0	0	0	0	0	0	0	NHPP
PE2	0	0	0	0	0	0	0	0	0	1,000	800	200	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	6,100	1,880	4,220	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,000	-3,000	NHPP
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>900</b>	<b>720</b>	<b>180</b>	<b>1,000</b>	<b>800</b>	<b>200</b>	<b>6,100</b>	<b>1,880</b>	<b>4,220</b>	<b>0</b>	<b>3,000</b>	<b>-3,000</b>	





**Project Description:**  
Annual costs to operate and maintain the ongoing and existing ITS program. This includes costs for the operation and maintenance of CCTVs and vehicle detection equipment. This also includes costs for telecommunication and server hosting services.

**Mile Post/s:**  
Queen Liliuokalani Freeway: MP 0.00 to MP 27.16, Veterans Memorial Freeway: MP 0.00 to MP 8.33, John A. Burns Freeway: MP 0.00 to MP 15.32

**Complete Streets (CS):**  
**Project will implement:** Not applicable  
  
**Existing Feature/s:** Not applicable

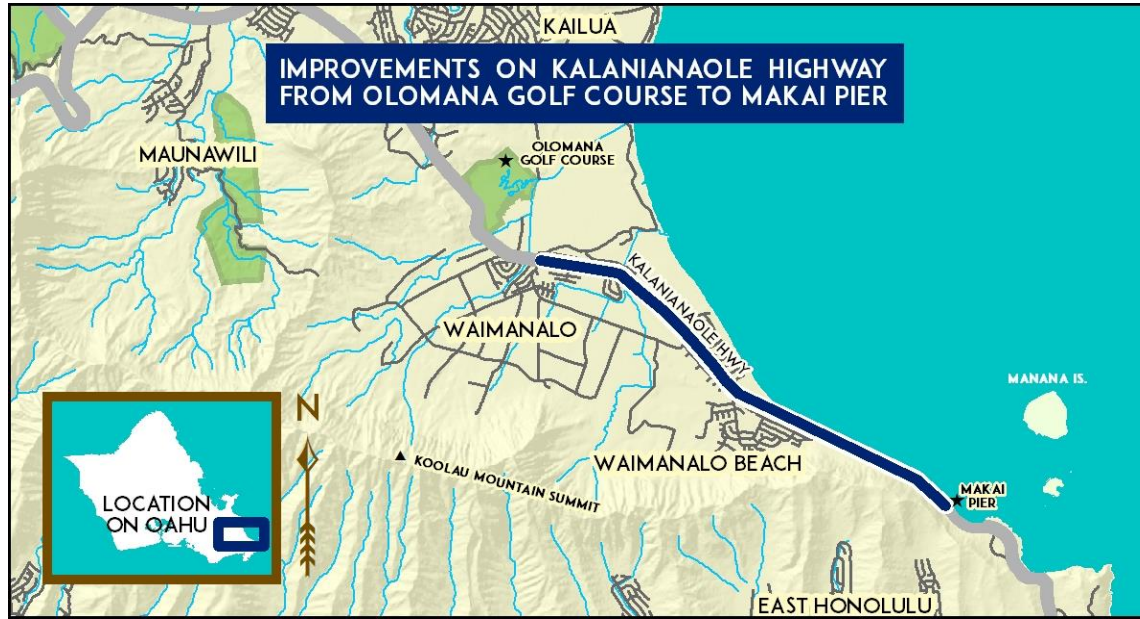
**Project Website:** None  
  
**Neighborhood(s):** Various Locations

**Estimated Total Project Cost:** \$2,570,000  
*(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

Phase	FOR INFORMATION ONLY																		Funding Category
	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			
	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)	
OPR	285	255	30	285	255	30	500	450	50	500	450	50	500	450	50	500	450	50	NHPP
Total	285	255	30	285	255	30	500	450	50	500	450	50	500	450	50	500	450	50	



**Project Description:**

Roadway resurfacing of Kalanianaʻole Highway from Poalima Street to Vicinity of Makai Pier.

**Mile Post/s:** MP 3.35 to MP 5.65

**Complete Streets (CS):**

**Project will implement:** No information available. However, CS principles will be considered in all Highway Projects.

**Existing Feature/s:** No information available.

**Project Website:** None

**Neighborhood(s):** Waimanalo

**Estimated Total Project Cost:** \$22,500,000

(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 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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	2,750	2,200	550	0	0	0	0	0	0	0	0	0	Earmark HP
CON	0	0	0	0	0	0	16,375	11,600	4,775	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	1,500	-1,500	0	0	0	0	0	0	NHPP
Total	0	0	0	0	0	0	19,125	13,800	5,325	0	1,500	-1,500	0	0	0	0	0	0	





**Project Description:**

Replace the existing bridge on Kamehameha Highway.

**Mile Post/s:** Kamehameha Highway: MP 20.78 to MP 20.85

**Complete Streets (CS):**

**Project will implement:** No information available. However, CS principles will be considered in all Highway Projects.

**Existing Feature/s:** No information available.

**Project Website:** None

**Neighborhood(s):** Koolauloa

**Estimated Total Project Cost:** \$25,600,000

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

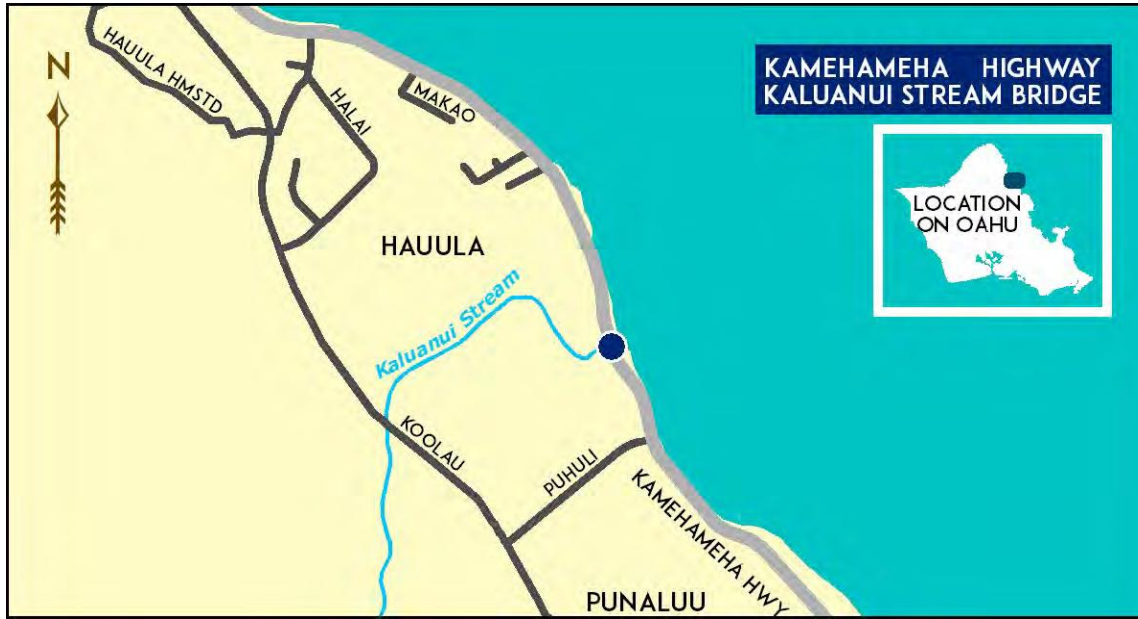
**Project Sponsor:** State of Hawaii (FHWA Funded)

**Agency Responsible for Carrying Out Project/Phase:**

Hawaii Department of Transportation

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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	20,500	4,160	16,340	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	4,240	-4,240	0	3,000	-3,000	0	5,000	-5,000	NHPP
Total	0	0	0	0	0	0	20,500	4,160	16,340	0	4,240	-4,240	0	3,000	-3,000	0	5,000	-5,000	



**Project Description:**

Replace the existing bridge on Kamehameha Highway.

**Mile Post/s:** Kamehameha Highway: MP 22.50 to 22.70

**Complete Streets (CS):**

**Project will implement:** No information available. However, CS principles will be considered in all Highway Projects.

**Existing Feature/s:** No information available.

**Project Website:** None

**Neighborhood(s):** Koolauloa

**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

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
ROW	0	0	0	677	542	135	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	9,400	1,520	7,880	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	6,000	-6,000	0	0	0	0	0	0	NHPP
Total	0	0	0	677	542	135	9,400	1,520	7,880	0	6,000	-6,000	0	0	0	0	0	0	



OS31 Kamehameha Highway (Route 83), Bridge Replacement, Laieloa Stream Bridge



**Project Description:**

Replace the existing concrete slab bridge on Kamehameha Highway in the vicinity of Laie.

**Mile Post/s:** Kamehameha Highway: MP 18.31

**Complete Streets (CS):**

**Project will implement:** No information available. However, CS principles will be considered in all Highway Projects.

**Existing Feature/s:** No information available.

**Project Website:** None

**Neighborhood(s):** Koolauloa

**Estimated Total Project Cost:** \$15,000,000

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

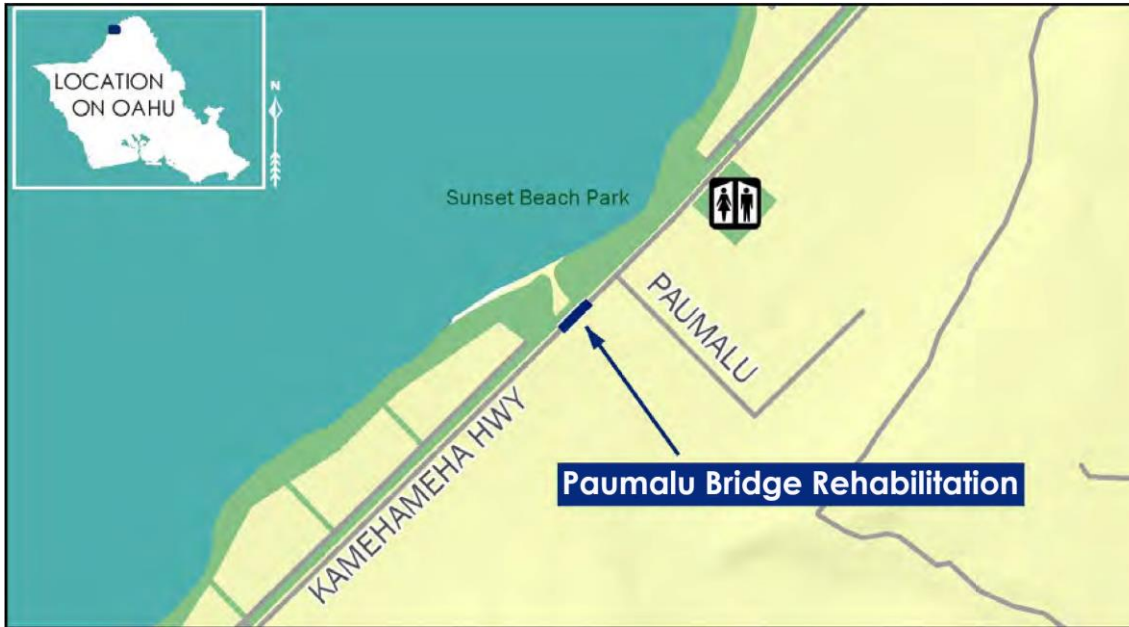
**Project Sponsor:** State of Hawaii (FHWA Funded)

**Agency Responsible for Carrying Out Project/Phase:**

Hawaii Department of Transportation

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
ROW	0	0	0	0	0	0	645	516	129	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	14,000	900	13,100	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	1,000	-1,000	0	5,300	-5,300	0	4,000	-4,000	NHPP
Total	0	0	0	0	0	0	14,645	1,416	13,229	0	1,000	-1,000	0	5,300	-5,300	0	4,000	-4,000	

**Project Description:**

Rehabilitate the existing bridge on Kamehameha Highway.

**Mile Post/s:** MP 8.52 to MP 8.53

**Complete Streets (CS):**

**Project will implement:** No information available. However, CS principles will be considered in all Highway Projects.

**Existing Feature/s:** No information available.

**Project Website:**

**Neighborhood(s):** North Shore

**Estimated Total Project Cost:** \$11,960,000

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

**Project Sponsor:** State of Hawaii (FHWA Funded)

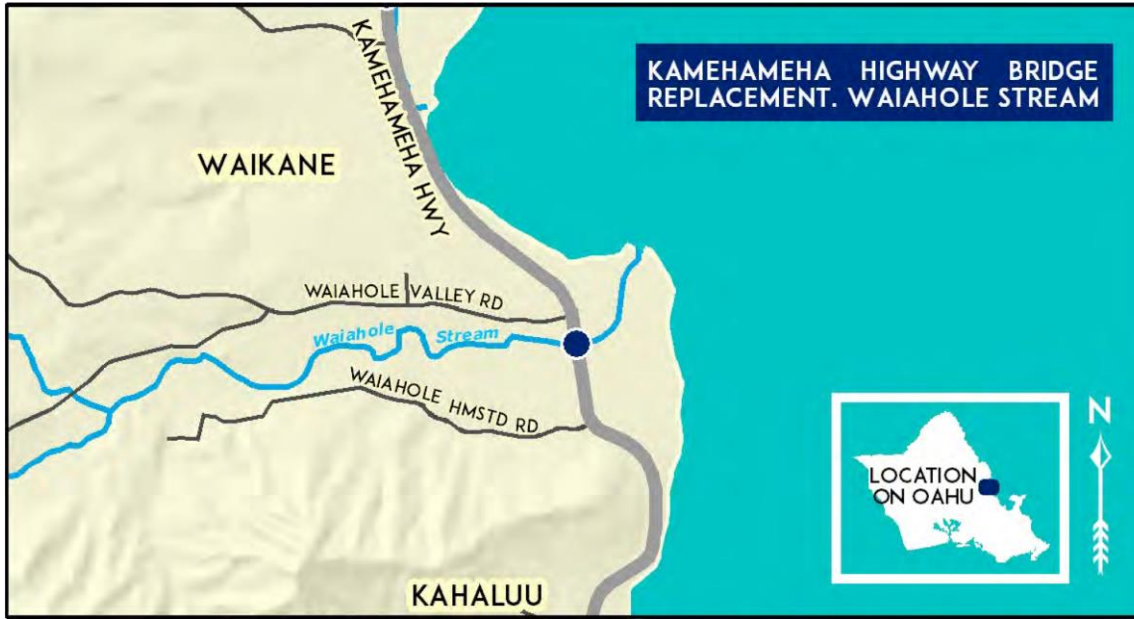
**Agency Responsible for Carrying Out Project/Phase:**

Hawaii Department of Transportation

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
PE1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,060	848	212	NHPP
PE2	0	0	0	0	0	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	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,060	848	212	

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



**Project Description:**

Replace the existing concrete structure on Kamehameha Highway.

Bicycle and pedestrian facilities will be included when feasible.

**Mile Post/s:** Kamehameha Highway: MP 34.31 to MP 34.51

**Complete Streets (CS):**

**Project will implement:** Bicycle and pedestrian facilities will be included when feasible.

**Existing Feature/s:** No information available.

**Project Website:** None

**Neighborhood(s):** Kahaluu

**Estimated Total Project Cost:** \$17,465,000

(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 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
ROW	0	0	0	0	0	0	0	0	0	630	504	126	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	15,500	2,400	13,100	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	5,000	-5,000	0	5,000	-5,000	NHPP
Total	0	0	0	0	0	0	0	0	0	16,130	2,904	13,226	0	5,000	-5,000	0	5,000	-5,000	





**Project Description:**

Replace the existing bridge on Kamehameha Highway.

**Mile Post/s:** MP 22.21 to MP 22.22

**Complete Streets (CS):**

**Project will implement:** No information available. However, CS principles will be considered in all Highway Projects.

**Existing Feature/s:** No information available.

**Project Website:** None

**Neighborhood(s):** Koolauloa

**Estimated Total Project Cost:** \$11,520,000

(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 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
PE1	0	0	0	0	0	0	0	0	0	665	532	133	0	0	0	0	0	0	NHPP
PE2	0	0	0	0	0	0	0	0	0	0	0	0	950	760	190	0	0	0	NHPP
ROW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	755	604	151	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Total	0	0	0	0	0	0	0	0	0	665	532	133	950	760	190	755	604	151	



**Project Description:**

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

**Mile Post/s:** Kamehameha Highway: MP 21.12

**Complete Streets (CS):**

**Project will implement:** No information available. However, CS principles will be considered in all Highway Projects.

**Existing Feature/s:** No information available.

**Project Website:** None

**Neighborhood(s):** Koolauloa

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

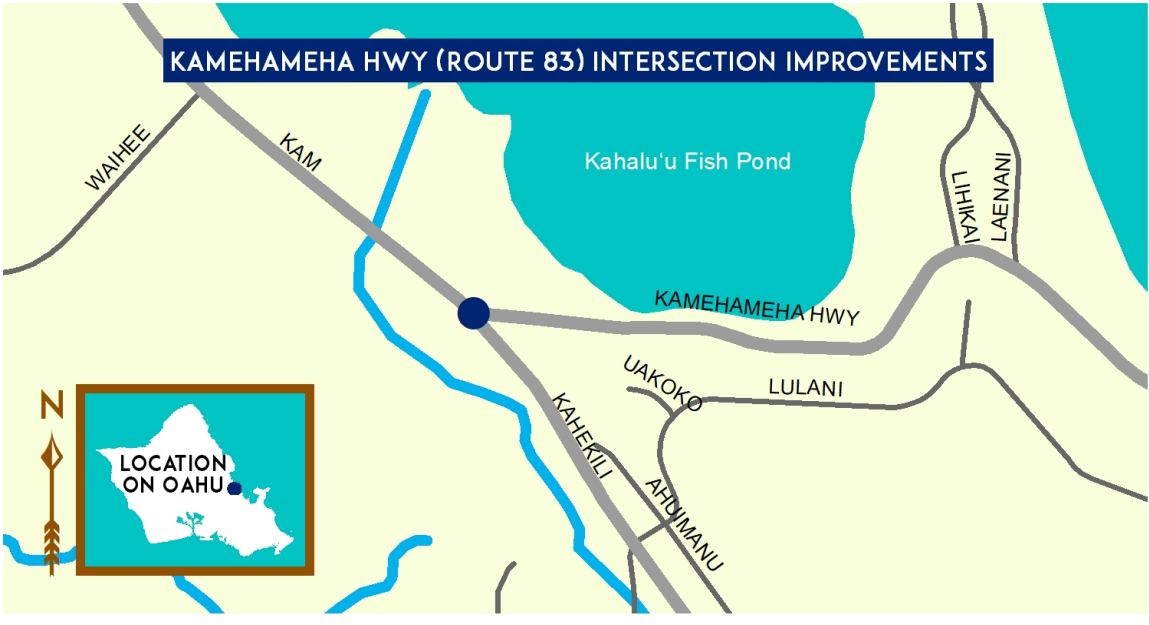
(May include project costs outside of the 4-year TIP and 2 informational years.)

**Project Sponsor:** State of Hawaii (FHWA Funded)

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

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
PREROW	0	0	0	0	0	0	0	0	0	102	80	22	0	0	0	0	0	0	NHPP
ROW	0	0	0	0	0	0	0	0	0	960	768	192	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	9,800	5,840	3,960	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	2,000	-2,000	0	0	0	NHPP
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10,862</b>	<b>6,688</b>	<b>4,174</b>	<b>0</b>	<b>2,000</b>	<b>-2,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	



**Project Description:**  
 Modify existing intersection and roadway approaches to a roundabout configuration. Improvement also include drainage system, curb and gutter, sidewalks, pavement markings and signing.

**Mile Post/s:** 36.19 to 36.41

**Complete Streets (CS):**  
**Project will implement:** Improvements will also include drainage system, curb, and sidewalks.

**Existing Feature/s:** No information available.

**Project Website:**

**Neighborhood(s):** Kahaluu

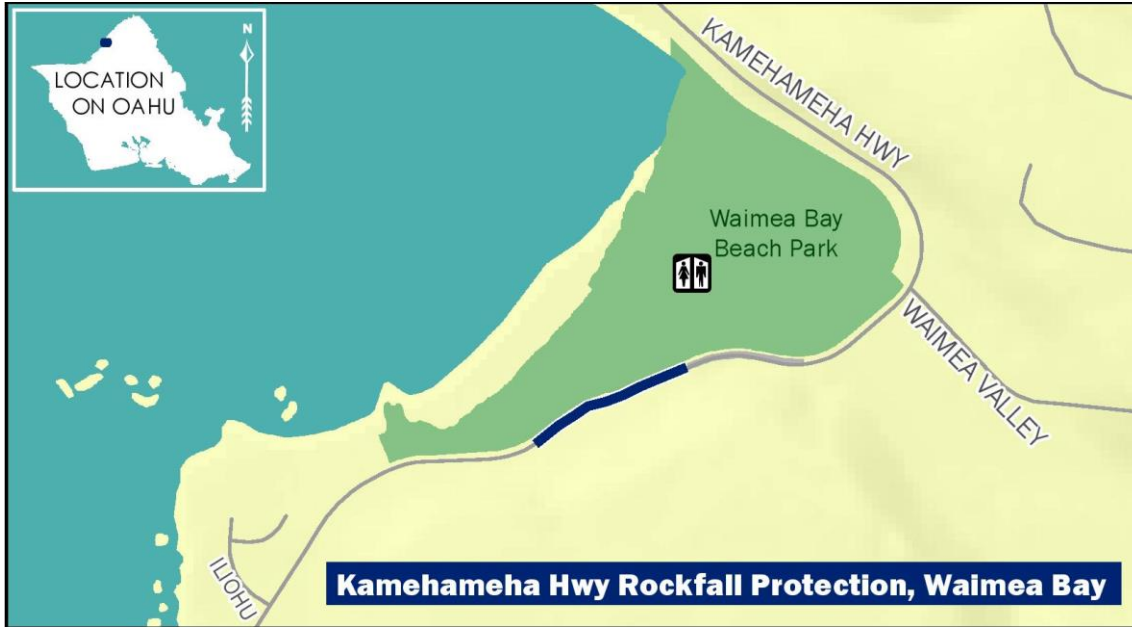
**Estimated Total Project Cost:** \$5,500,000  
*(May include project costs outside of the 4-year TIP and 2 informational years.)*

**Project Sponsor:** State of Hawaii (FHWA Funded)

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

Phase	FOR INFORMATION ONLY																		Funding Category
	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			
	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)	
CON	0	0	0	0	0	0	5,000	4,000	1,000	0	0	0	0	0	0	0	0	0	NHPP
Total	0	0	0	0	0	0	5,000	4,000	1,000	0	0	0	0	0	0	0	0	0	

**OS75 Kamehameha Highway (Route 83), Rockfall Protection, Waimea Bay**



**Project Description:**

Initiate rockfall mitigation measures along Kamehameha Highway at Waimea Bay.

**Mile Post/s:** MP 5.40 to MP 5.52

**Complete Streets (CS):**

**Project will implement:** No information available. However, CS principles will be considered in all Highway Projects.

**Existing Feature/s:** No information available.

**Project Website:** None

**Neighborhood(s):** North Shore

**Estimated Total Project Cost:** \$35,450,000

(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 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
Haleiwa																			
PE1	0	0	0	0	0	0	1,225	980	245	0	0	0	0	0	0	0	0	0	NHPP
PE2	0	0	0	0	0	0	0	0	0	800	640	160	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	20,000	16,000	4,000	0	0	0	NHPP
Sunset Beach																			
PE1	0	0	0	0	0	0	0	0	0	1,000	800	200	0	0	0	0	0	0	NHPP
PE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	700	560	140	NHPP
Waimea Bay																			
PREROW	0	0	0	0	0	0	0	0	0	102	80	22	0	0	0	300	240	60	NHPP
ROW	0	0	0	0	0	0	0	0	0	500	400	100	0	0	0	0	0	0	NHPP
Total	0	0	0	0	0	0	1,225	980	245	2,402	1,920	482	20,000	16,000	4,000	1,000	800	200	



**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.

**Mile Post/s:** Joseph P. Leong Highway: MP 1.67 to 1.79

**Complete Streets (CS):**

**Project will implement:** Not applicable

**Existing Feature/s:** Not applicable

**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

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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	2,040	1,632	408	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
Total	0	0	0	0	0	0	0	0	0	2,040	1,632	408	0	0	0	0	0	0	



**Project Description:**

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

**Mile Post/s:** Not applicable.

**Complete Streets (CS):**

**Project will implement:** Bicycling facilities.

**Existing Feature/s:** No information available.

**Project Website:** None

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

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

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

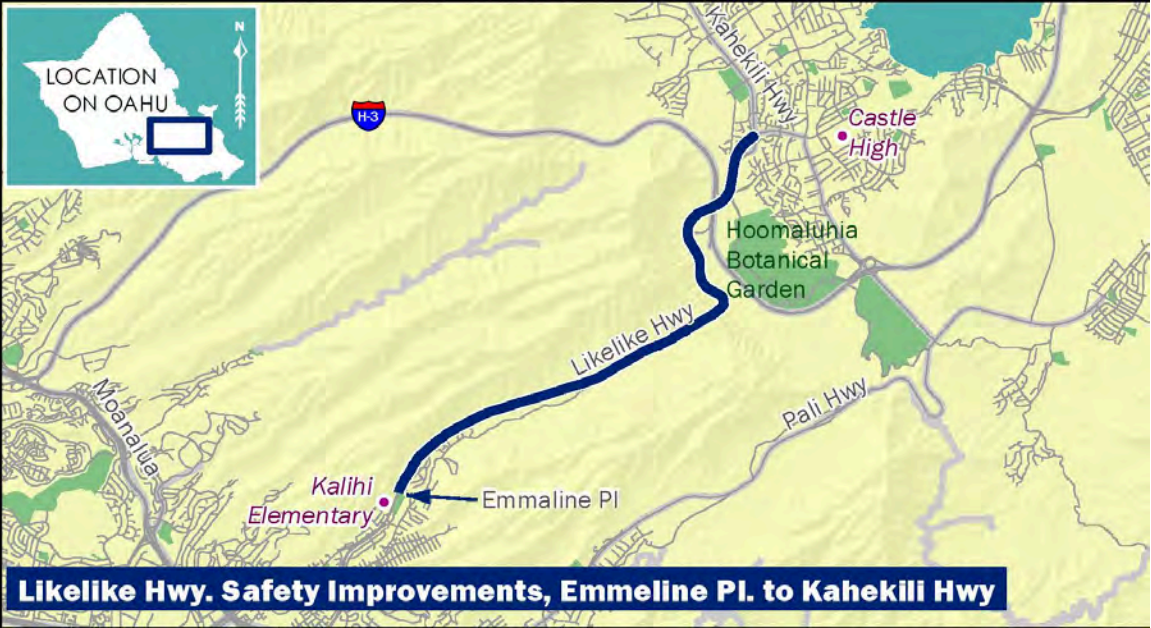
**Project Sponsor:** State of Hawaii (FHWA Funded)

**Agency Responsible for Carrying Out Project/Phase:**

Hawaii Department of Transportation

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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	9,454	175	9,279	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Enhance
ADVCON	0	0	0	0	4,888	-4,888	0	2,500	-2,500	0	0	0	0	0	0	0	0	0	Enhance
Total	9,454	175	9,279	0	4,888	-4,888	0	2,500	-2,500	0	0	0	0	0	0	0	0	0	



**Project Description:**  
Includes, but is not limited to the installation of milled rumble strips or rumble edge stripes on shoulders where possible, high friction surface treatment, speed feedback sign, guardrail end treatment, in-lane pavement markers, LED speed limit signs and chevrons, widen paved shoulders where possible, pavement markings, and signing.

**Mile Post/s:**       MP 2.70 to MP 8.30

**Complete Streets (CS):**  
**Project will implement:** Not applicable  
  
**Existing Feature/s:**       Not applicable

**Project Website:** None  
  
**Neighborhood(s):** Kalihi Valley, Kaneohe

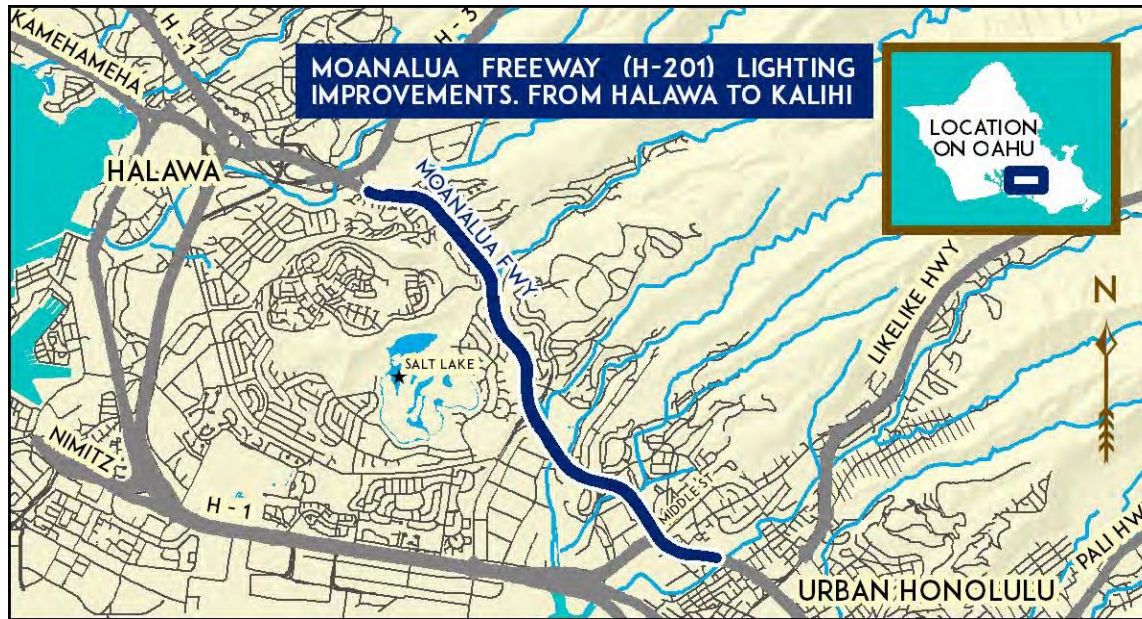
**Estimated Total Project Cost:** \$3,000,000  
*(May include project costs outside of the 4-year TIP and 2 informational years.)*

**Project Sponsor:** State of Hawaii (FHWA Funded)

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

Phase	FOR INFORMATION ONLY																		Funding Category
	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			
	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)	
CON	0	0	0	0	0	0	2,700	430	2,270	0	0	0	0	0	0	0	0	0	HSIP
ADVCON	0	0	0	0	0	0	0	0	0	0	2,000	-2,000	0	0	0	0	0	0	HSIP
Total	0	0	0	0	0	0	2,700	430	2,270	0	2,000	-2,000	0	0	0	0	0	0	



**Project Description:**

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

**Mile Post/s:**

Moanalua Freeway: MP 0.00 to MP 0.74, H-2  
Freeway: MP 0.00 to MP 8.33

**Complete Streets (CS):**

Project will implement: Not applicable

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Various Locations

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

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

Project Sponsor: State of Hawaii (FHWA Funded)

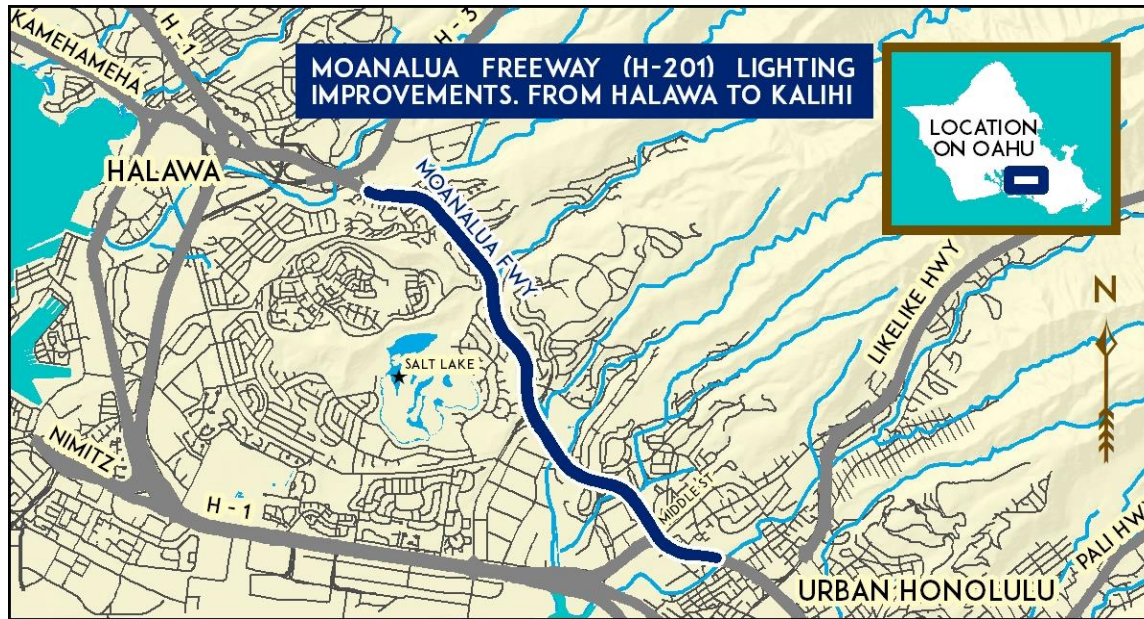
Agency Responsible for Carrying Out Project/Phase:

Hawaii Department of Transportation

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
<i>Phase 1</i>																			
ADVCON	0	3,000	-3,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
<i>Phase 2</i>																			
CON	0	0	0	0	0	0	13,300	8,640	4,660	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	0	0	0	0	0	NHPP
<b>Total</b>	<b>0</b>	<b>3,000</b>	<b>-3,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13,300</b>	<b>8,640</b>	<b>4,660</b>	<b>0</b>	<b>2,000</b>	<b>-2,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	



**Project Description:**

Upgrade/replace existing freeway lighting on Moanalua Freeway, from the Halawa Heights westbound off-ramp (milepost 1.12) to the Moanalua/H-1 Freeway merge at Middle Street (milepost 4.09).

**Mile Post/s:** Moanalua Freeway: MP 1.12 to MP 4.09

**Complete Streets (CS):**

**Project will implement:** Not applicable

**Existing Feature/s:** Not applicable

**Project Website:** None

**Neighborhood(s):** Various Locations

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

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

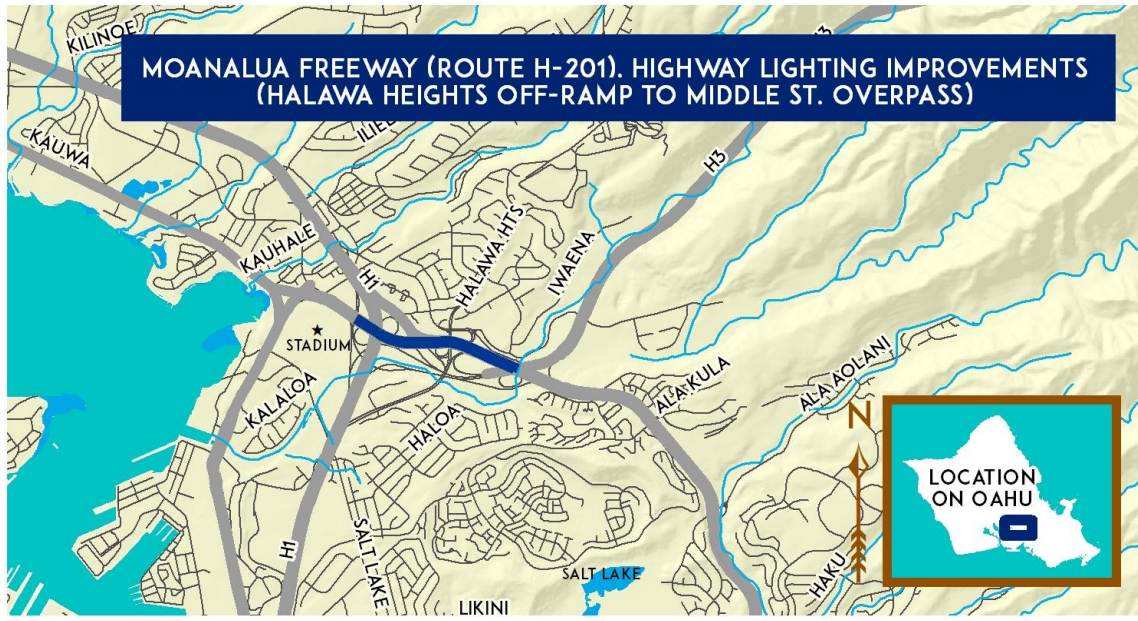
**Project Sponsor:** State of Hawaii (FHWA Funded)

**Agency Responsible for Carrying Out Project/Phase:**

Hawaii Department of Transportation

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
ADVCON	0	5,500	-5,500	0	5,500	-5,500	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Phase 2																			
CON	0	0	0	0	0	0	13,300	3,940	9,360	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	3,700	-3,700	0	3,000	-3,000	0	0	0	NHPP
Total	0	5,500	-5,500	0	5,500	-5,500	13,300	3,940	9,360	0	3,700	-3,700	0	3,000	-3,000	0	0	0	

**Project Description:**

Installation of new highway lighting system consist of new light poles and conduits, LED fixtures, trenching for conduits, conduits, foundations/barriers, power equipment, erosion control, and traffic control.

**Mile Post/s:****Complete Streets (CS):**

**Project will implement:** No information available. However, CS principles will be considered in all Highway Projects.

**Existing Feature/s:** No information available.

**Project Website:**

**Neighborhood(s):** Aiea

**Estimated Total Project Cost:** \$9,500,000

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

**Project Sponsor:** State of Hawaii (FHWA Funded)

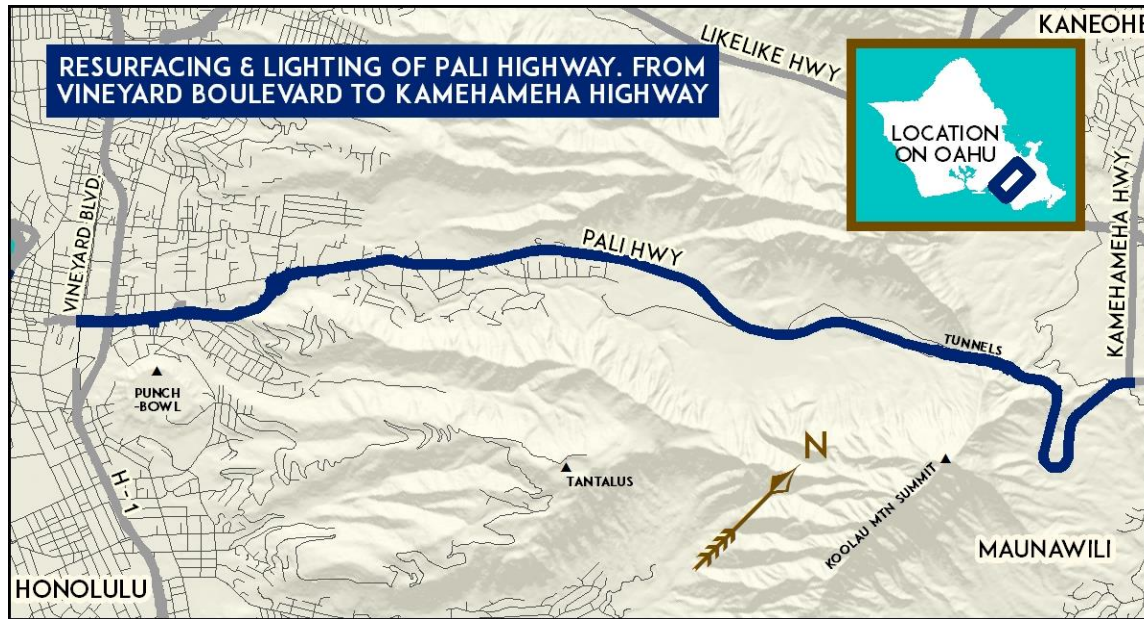
**Agency Responsible for Carrying Out Project/Phase:**

Hawaii Department of Transportation

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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	9,200	4,360	4,840	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	3,000	-3,000	0	0	0	0	0	0	NHPP
Total	0	0	0	0	0	0	9,200	4,360	4,840	0	3,000	-3,000	0	0	0	0	0	0	



**Project Description:**

Scope of work includes but is not limited to cold planing, resurfacing, reconstruction of weakened pavement, installation of new highway lighting, construction of concrete median barriers, replacement of guardrails in-kind and end treatments, installation of new guardrails, installing bridge rails, and installation of signs and pavement markings.

**Mile Post/s:****Complete Streets (CS):**

**Project will implement:** No information available. However, CS principles will be considered in all Highway Projects.

**Existing Feature/s:** No information available.

**Project Website:** None

**Neighborhood(s):** Nuuanu-Punchbowl

**Estimated Total Project Cost:** \$119,500,000

(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 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
Phase 1 - Lighting Vineyard Boulevard to Kamehameh																			
ADVCON	0	11,000	-11,000	0	7,000	-7,000	0	3,000	-3,000	0	0	0	0	0	0	0	0	0	NHPP
Phase 2 - Resurfacing, Vineyard Boulevard to Waoka																			
CON	0	0	0	42,000	9,100	32,900	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	10,500	-10,500	0	7,000	-7,000	0	7,000	-7,000	0	0	0	NHPP
Total	0	11,000	-11,000	42,000	16,100	25,900	0	13,500	-13,500	0	7,000	-7,000	0	7,000	-7,000	0	0	0	



**Project Description:**

A Federal-aid assistance program to help the State provide and maintain recreational trails for both motorized and non-motorized recreational use.

**Mile Post/s:** Not applicable

**Complete Streets (CS):**

**Project will implement:** Not applicable

**Existing Feature/s:** Not applicable

**Project Website:** None

**Neighborhood(s):** Various Locations

**Estimated Total Project Cost:** \$2,154,000

(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:**

Department of Land and Natural Resources

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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	359	287	72	359	287	72	359	287	72	359	287	72	359	287	72	359	287	72	NATL REC TRAILS
Total	359	287	72	359	287	72	359	287	72	359	287	72	359	287	72	359	287	72	



**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.

**Mile Post/s:**

**Complete Streets (CS):**

**Project will implement:** No information available. However, CS principles will be considered in all Highway Projects.

**Existing Feature/s:** No information available.

**Project Website:** None

**Neighborhood(s):** Kalihi-Palama

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

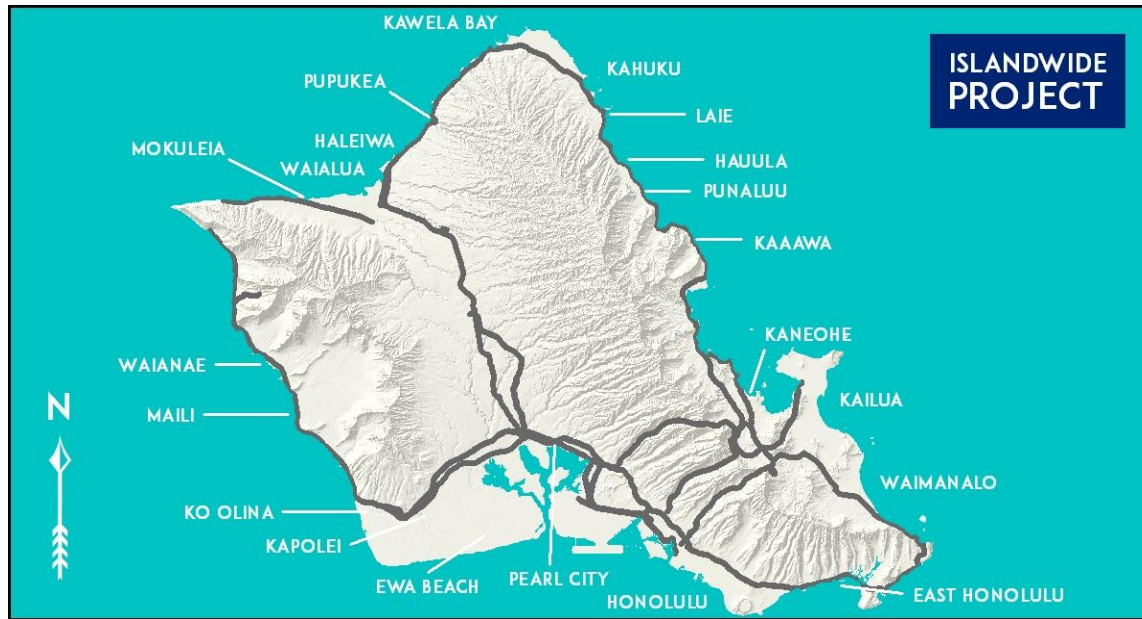
*(May include project costs outside of the 4-year TIP and 2 informational years.)*

**Project Sponsor:** State of Hawaii (FHWA Funded)

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

Phase													FOR INFORMATION ONLY						Funding Category
	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			
	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)	
CON	0	0	0	0	0	0	7,200	2,000	5,200	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	3,760	-3,760	0	0	0	0	0	0	NHPP
Total	0	0	0	0	0	0	7,200	2,000	5,200	0	3,760	-3,760	0	0	0	0	0	0	



**Project Description:**

Develop and construct shoreline protection measures to better protect roadways from flooding and erosion as identified and prioritized in the Statewide Shoreline Protection Program. This funding is for the Oahu District Sub-Program.

**Mile Post/s:** Not applicable

**Complete Streets (CS):**

**Project will implement:** Not applicable

**Existing Feature/s:** Not applicable

**Project Website:** None

**Neighborhood(s):** Various Locations

**Estimated Total Project Cost:** \$50,000,000

(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:**  
Department of Land and Natural Resources

**FOR INFORMATION ONLY**

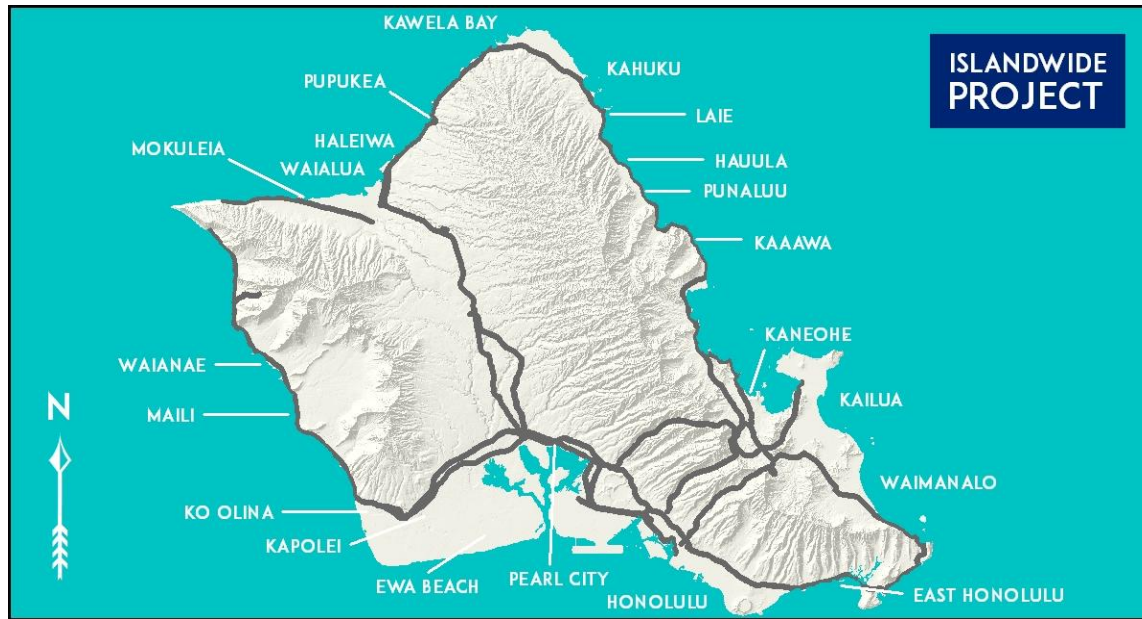
Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			Funding Category	
	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)		
Priority 1 - (Short-Term) Kamehameha Hwy, Phase 2																				
ROW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	500	400	100	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20,000	16,000	4,000	NHPP
Priority 1 - (Short-Term) Kamehameha Hwy Route, 83																				
PE1	0	0	0	1,000	800	200	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
PE2	0	0	0	0	0	0	1,500	1,200	300	0	0	0	0	0	0	0	0	0	0	NHPP
Priority 1 - (Short-Term) Kamehameha Hwy, Phase 1																				
ROW	0	0	0	0	0	0	0	0	0	1,000	800	200	0	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	3,000	2,400	600	0	0	0	0	0	0	0	NHPP
Priority 2 - (Long-Term) Locations																				
PE1	0	0	0	0	0	0	0	0	0	0	0	0	2,000	600	1,400	0	0	0	0	NHPP
PE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,000	3,200	800	0	NHPP
ROW	0	0	0	0	0	0	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	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

OS79

Shoreline Protection/Mitigation Program

													FOR INFORMATION ONLY						Funding Category
FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024				
Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local		
Phase	(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)	
Priority 2 - (Long-Term) Locations																			
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	-1,000	NHPP
Total	0	0	0	1,000	800	200	1,500	1,200	300	4,000	3,200	800	2,000	600	1,400	24,500	20,600	3,900	



**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.

**Mile Post/s:****Complete Streets (CS):**

**Project will implement:** Not applicable

**Existing Feature/s:** Not applicable

**Project Website:** None**Neighborhood(s):** Various Locations**Estimated Total Project Cost:** \$4,500,000

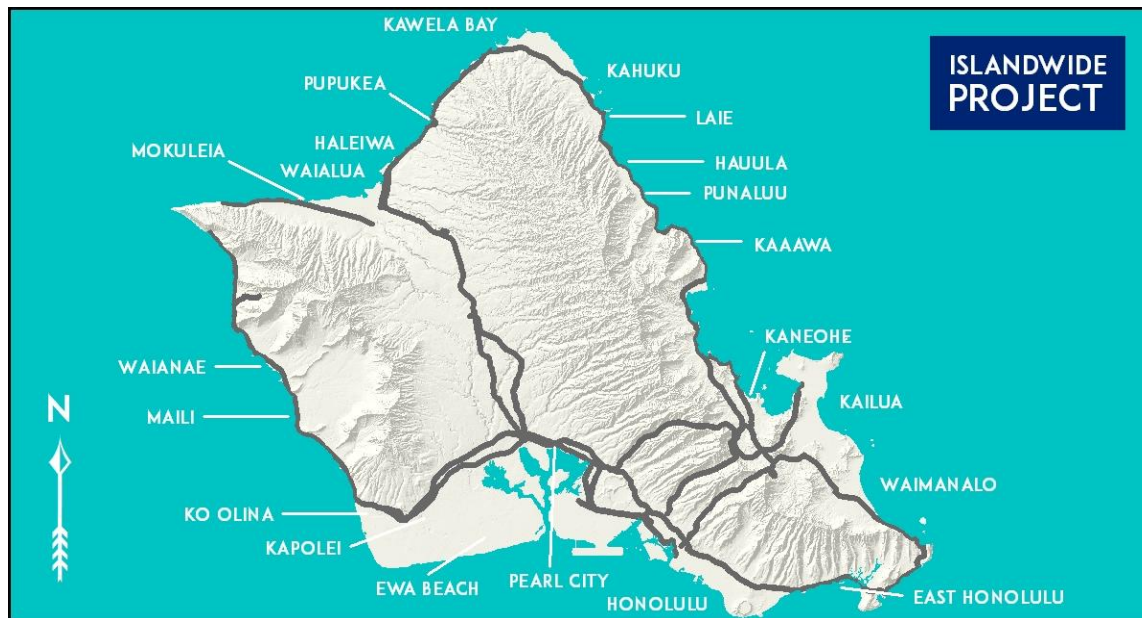
(May include project costs outside of the 4-year TIP and 2 informational years.)

**Project Sponsor:** State of Hawaii (FHWA Funded)**Agency Responsible for Carrying Out Project/Phase:**

Hawaii Department of Transportation

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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	2,700	160	2,540	0	0	0	0	0	0	STP Flex
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	2,000	-2,000	0	0	0	STP Flex
Total	0	0	0	0	0	0	0	0	0	2,700	160	2,540	0	2,000	-2,000	0	0	0	



**Project Description:**

Upgrade signal equipment to improve programming and optimization, to help improve traffic flow, reduce congestion, and prevent failures & downtime. Upgrades include replace old/damaged signal poles, underground conduits & wiring, signal controllers, and other equipment. Address five high priority intersections.

**Mile Post/s:**

**Complete Streets (CS):**

**Project will implement:** No information available. However, CS principles will be considered in all Highway Projects.

**Existing Feature/s:** No information available.

**Project Website:** None

**Neighborhood(s):** Various Locations

**Estimated Total Project Cost:** \$6,250,000

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

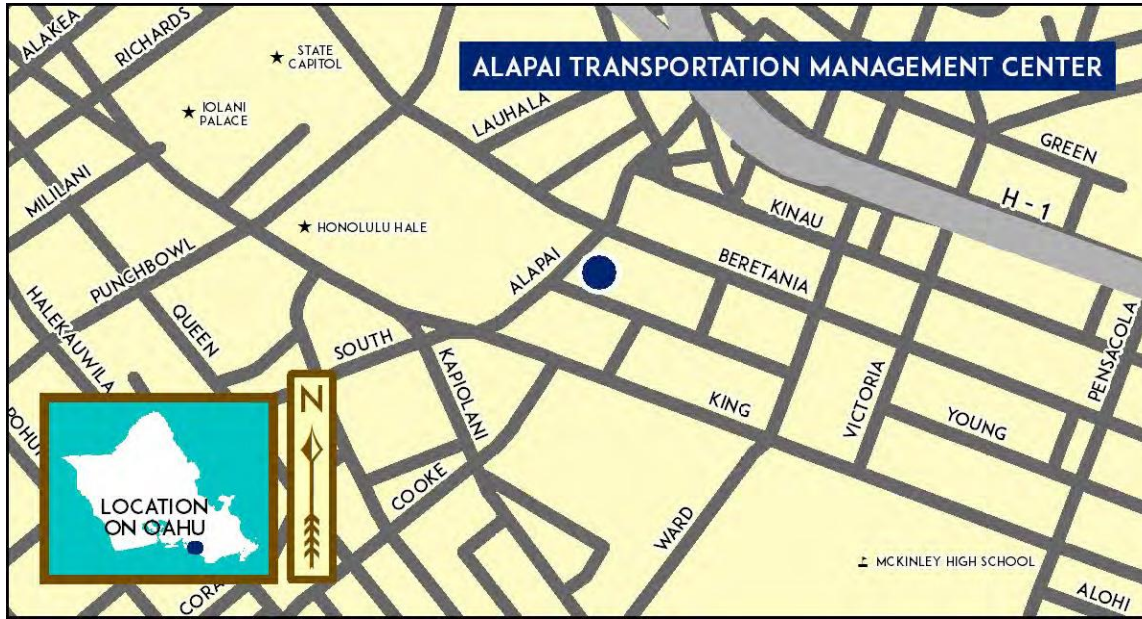
**Project Sponsor:** State of Hawaii (FHWA Funded)

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

Phase													FOR INFORMATION ONLY						Funding Category
	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			
	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)	
CON	0	0	0	6,250	5,000	1,250	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
Total	0	0	0	6,250	5,000	1,250	0	0	0	0	0	0	0	0	0	0	0	0	

## **6.2.1 FHWA-Funded Projects**

### **6.2.1.2 Oahu City (OC) Projects**

**Project Description:**

The transportation management center is a joint communication center next to the Alapai Transit Center. The center facilitates active traffic management through co-location and information sharing by City and State traffic management operations and the City's emergency response agencies. This project supports operations and management of the center.

**Mile Post/s:** Not applicable

**Complete Streets (CS):**

**Project will implement:** Not applicable

**Existing Feature/s:** Not applicable

**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

**Agency Responsible for Carrying Out Project/Phase:**

City Department of Transportation Services

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
DES	500	0	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
ADVCON	0	3,000	-3,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
EQP	250	200	50	0	0	0	0	0	0	0	0	0	0	0	0	375	300	75	STP Flex
OPR	500	400	100	500	400	100	463	370	93	475	380	95	488	390	98	500	400	100	STP Flex
INSP	1,500	0	1,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
Total	2,750	3,600	-850	500	400	100	463	370	93	475	380	95	488	390	98	875	700	175	



**Project Description:**

This is an ongoing islandwide program for the implementation of the Oahu Bicycle Master Plan improvements, the development of new projects, and the upgrade of existing bicycle projects.

**Mile Post/s:****Complete Streets (CS):**

**Project will implement:** Bikeway improvements; new bikeway projects; and bikeway upgrades.

**Existing Feature/s:** See Oahu Bicycle Master Plan

**Project Website:** <https://www.honolulu.gov/bicycle/bicyclefacilities/oahu-bike-plan.html>

**Neighborhood(s):** Islandwide

**Estimated Total Project Cost:** \$2,452,000

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

**Project Sponsor:** City and County of Honolulu

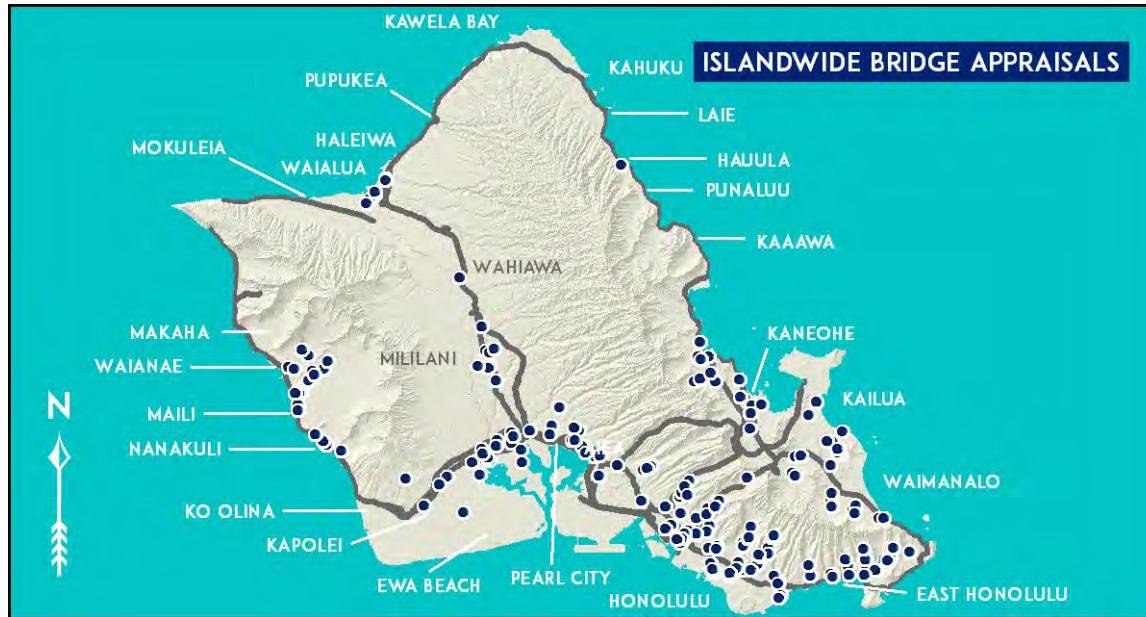
**Agency Responsible for Carrying Out Project/Phase:**

City Department of Transportation Services

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
Kailua-Lanikai Bike Path																			
PE1	0	0	0	0	0	0	0	0	0	306	245	61	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	STP Flex
ROW	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	STP Flex
TBD - DES 2021																			
PE1	0	0	0	0	0	0	0	0	0	0	0	0	312	250	62	0	0	0	STP Flex
Waipahu Depot Shared Use Path																			
PE1	0	0	0	200	160	40	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	102	82	20	0	0	0	STP Flex
ROW	0	0	0	1	0	1	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	1,530	1,224	306	STP Flex
Total	0	0	0	201	160	41	0	0	0	307	245	62	414	332	82	1,530	1,224	306	



**Project Description:**

Inventory, inspect, and appraise City bridges, including underwater inspection and scour survey.

**Mile Post/s:** Not applicable

**Complete Streets (CS):**

**Project will implement:** No information available. However, CS principles will be considered in all Highway Projects.

**Existing Feature/s:** No information available.

**Project Website:** None

**Neighborhood(s):** Various Locations

**Estimated Total Project Cost:** \$5,080,000

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

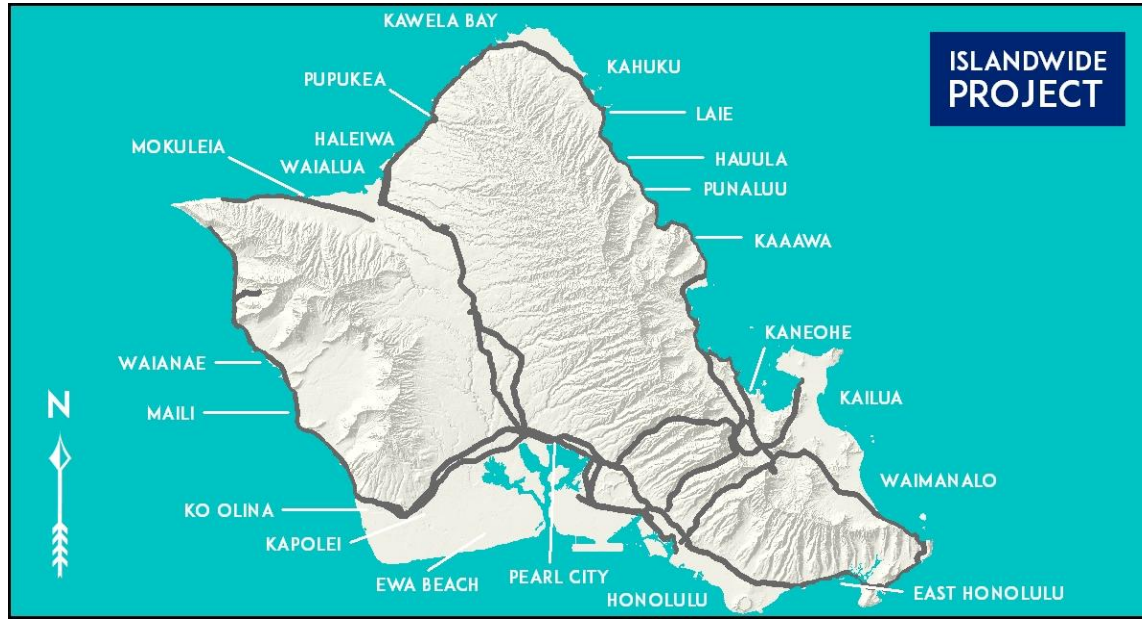
**Project Sponsor:** City and County of Honolulu

**Agency Responsible for Carrying Out Project/Phase:**

City Department of Design and Construction

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
DES	1,270	800	470	1,270	800	470	1,270	800	470	1,270	800	470	1,270	800	470	1,270	800	470	OS BRIDGE
Total	1,270	800	470	1,270	800	470	1,270	800	470	1,270	800	470	1,270	800	470	1,270	800	470	



**Project Description:**

This project is part of the City and County of Honolulu's efforts to provide community-facing electric vehicle charging infrastructure and support the fast-growing number of residents with Evs with adequate charging infrastructure. The project will also enable the City to work toward transitioning its fleet vehicles and community-wide to 100% renewably powered.

**Mile Post/s:** NA

**Complete Streets (CS):**

**Project will implement:** Project will assess, but not guarantee, design and installation of electric bike chargers in relevant locations.

**Project Website:** NA

**Neighborhood(s):** Islandwide

**Estimated Total Project Cost:** \$2,449,375,000

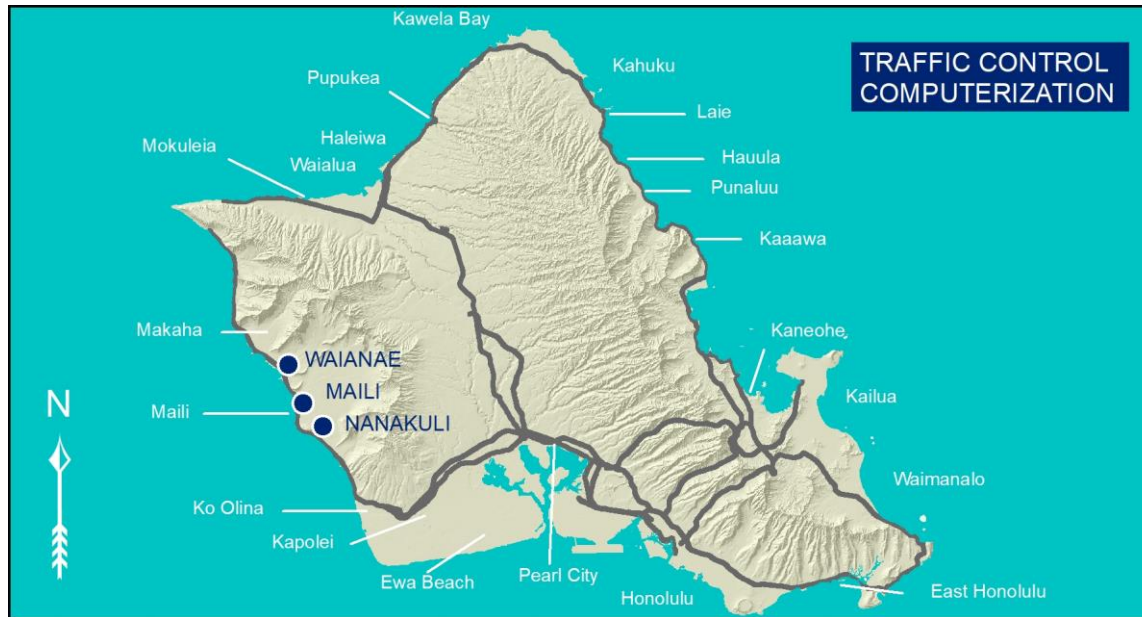
*(May include project costs outside of the 4-year TIP and 2 informational years.)*

**Project Sponsor:** City and County of Honolulu

**Agency Responsible for Carrying Out Project/Phase:**

Office of Climate Change, Sustainability, and Resiliency

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FOR INFORMATION ONLY						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)	FFY 2023			FFY 2024			
													Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	
PLN	0	0	0	0	0	0	0	0	0	0	0	0	63	50	13	0	0	0	CongrDS
DES	0	0	0	0	0	0	0	0	0	0	0	0	263	210	53	0	0	0	CongrDS
CON	0	0	0	0	0	0	0	0	0	0	0	0	1,309	1,047	262	0	0	0	CongrDS
EQP	0	0	0	0	0	0	0	0	0	0	0	0	816	653	163	0	0	0	CongrDS
Total	0	0	0	0	0	0	0	0	0	0	0	0	2,451	1,960	491	0	0	0	

**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.

**Mile Post/s:** Not applicable

**Complete Streets (CS):**

**Project will implement:** Not applicable

**Existing Feature/s:** Not applicable

**Project Website:** None

**Neighborhood(s):** Various Locations

**Estimated Total Project Cost:** \$13,136,000

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

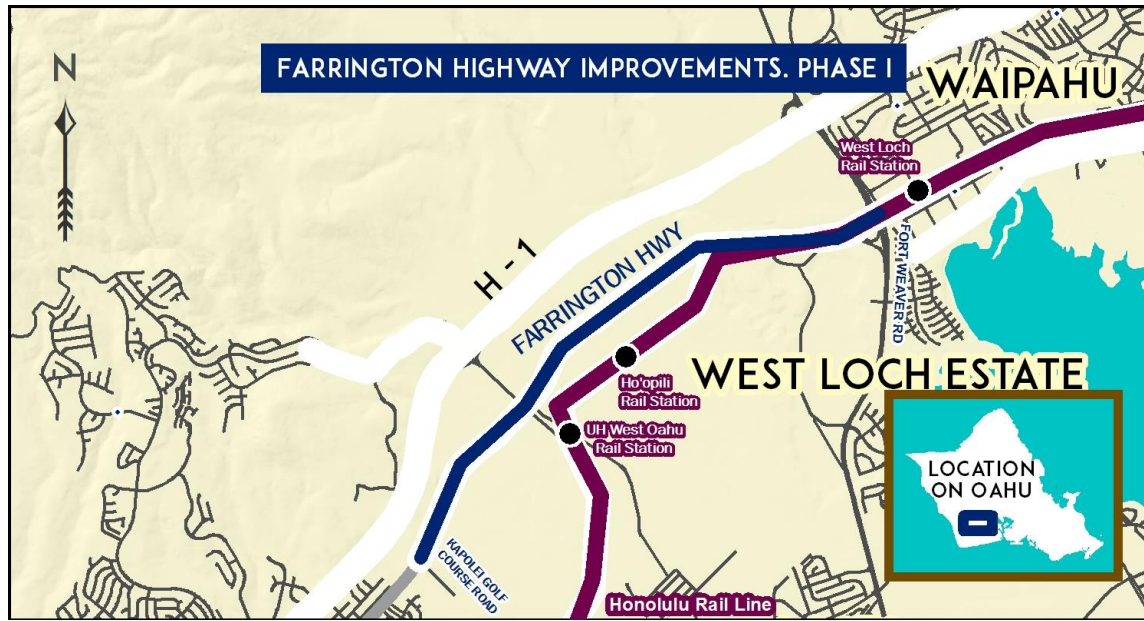
**Project Sponsor:** City and County of Honolulu

**Agency Responsible for Carrying Out Project/Phase:**

City Department of Transportation Services

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
Phase 15 - Nanakuli																			
PE2	0	0	0	250	0	250	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	3,825	3,060	765	STP Flex
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	100	STP Flex
Phase 16 - Waianae																			
PE1	0	0	0	250	200	50	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
PE2	0	0	0	0	0	0	0	0	0	321	255	66	0	0	0	0	0	0	STP Flex
CON	0	0	0	0	0	0	0	0	0	0	0	0	3,825	3,060	765	0	0	0	STP Flex
EQP	0	0	0	0	0	0	0	0	0	0	0	0	100	0	100	0	0	0	STP Flex
Phase 17 - Maili																			
PE1	0	0	0	0	0	0	315	250	65	0	0	0	0	0	0	0	0	0	STP Flex
PE2	0	0	0	0	0	0	0	0	0	250	200	50	0	0	0	0	0	0	STP Flex
CON	0	0	0	0	0	0	0	0	0	0	0	0	3,800	3,000	800	0	0	0	STP Flex
EQP	0	0	0	0	0	0	0	0	0	0	0	0	100	0	100	0	0	0	STP Flex
Total	0	0	0	500	200	300	315	250	65	571	455	116	7,825	6,060	1,765	3,925	3,060	865	

**Project Description:**

Construct improvements to enhance sub-regional roadway connectivity and mobility, increase capacity and accommodate multimodal transportation options, from Kapolei Golf Course Road to west of Fort Weaver Road.

**Mile Post/s:** Not applicable

**Complete Streets (CS):**

**Project will implement:** Not applicable.

**Existing Feature/s:** No information available.

**Project Website:** None

**Neighborhood(s):** Waipahu, Ewa

**Estimated Total Project Cost:** \$8,930,000

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

**Project Sponsor:** City and County of Honolulu

**Agency Responsible for Carrying Out Project/Phase:**

City Department of Design and Construction

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
PE1	50	0	50	0	0	0	10	0	10	0	0	0	0	0	0	0	0	0	Local Only
PE2	3,950	0	3,950	0	0	0	500	0	500	0	0	0	0	0	0	0	0	0	Local Only
ROW	0	0	0	0	0	0	10	0	10	15,000	0	15,000	0	0	0	0	0	0	Local Only
CON	0	0	0	0	0	0	0	0	0	0	0	0	72,000	0	72,000	0	0	0	Local Only
<b>Total</b>	<b>4,000</b>	<b>0</b>	<b>4,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>520</b>	<b>0</b>	<b>520</b>	<b>15,000</b>	<b>0</b>	<b>15,000</b>	<b>72,000</b>	<b>0</b>	<b>72,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	

SITES TO BE  
DETERMINED

**Project Description:**

The Federal Lands Access Program (FLAP) was established to improve transportation facilities that provide access to, are adjacent to, or are located within Federal lands. The Access Program supplements State and local resources for public roads, transit systems, and other transportation facilities, with an emphasis on high-use recreation sites and economic generators.

**Mile Post/s:** Not applicable

**Complete Streets (CS):**

**Project will implement:** No information available.

**Existing Feature/s:** No information available.

**Project Website:** None

**Neighborhood(s):** To Be Determined

**Estimated Total Project Cost:** \$6,766,000

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

**Project Sponsor:** City and County of Honolulu

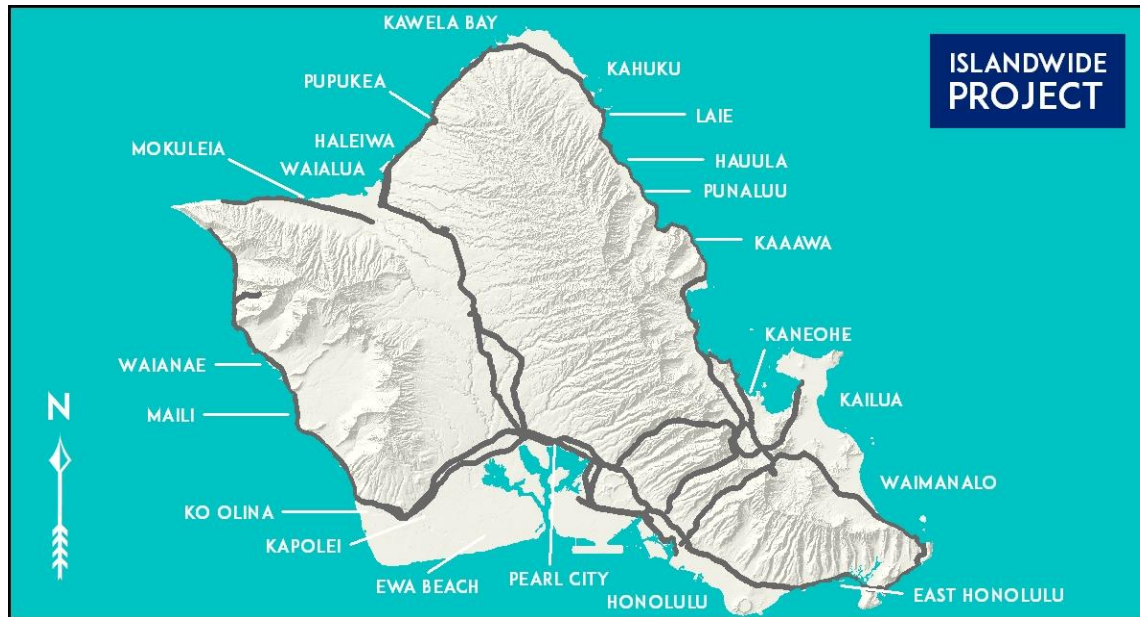
**Agency Responsible for Carrying Out Project/Phase:**

City Department of Transportation Services

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)		
Pearl Harbor Multimodal Connection Alternatives: P																				
PE2	733	586	147	137	110	27	0	0	0	0	0	0	0	0	0	0	0	0	0	FLAP
CON	0	0	0	0	0	0	0	0	0	0	0	0	1,375	1,100	275	0	0	0	0	FLAP
Total	733	586	147	137	110	27	0	0	0	0	0	0	1,375	1,100	275	0	0	0	0	





**Project Description:**

Design, construct, and inspect improvements to upgrade traffic controllers

**Mile Post/s:**

No information available

**Complete Streets (CS):**

**Project will implement:** No information available

**Existing Feature/s:**

Existing pedestrian signal will remain in place. Operation of the pedestrian signal will remain the same.  
Existing bicycle signal will remain in place. Operation of the bicycle signal will remain the same.

**Project Website:** none

**Neighborhood(s):** Various Locations

**Estimated Total Project Cost:** \$8,650,000

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

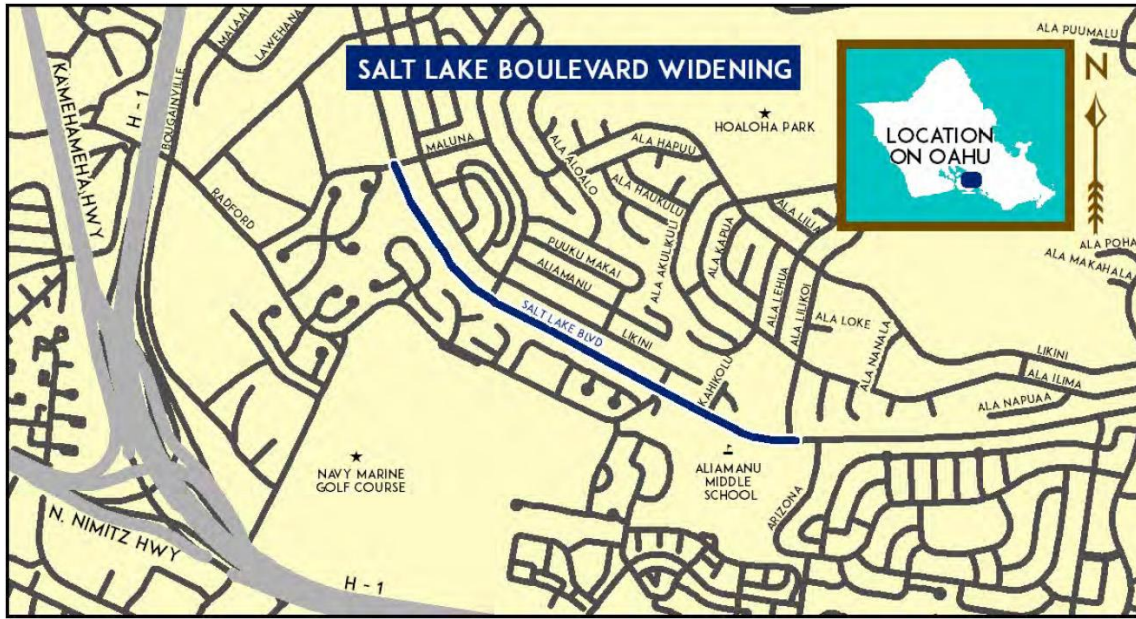
**Project Sponsor:** City and County of Honolulu

**Agency Responsible for Carrying Out Project/Phase:**

City Department of Transportation Services

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
PE1	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	150	120	30	0	0	0	0	0	0	0	0	0	STP Flex
CON	0	0	0	0	0	0	8,000	6,400	1,600	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
INSP	0	0	0	0	0	0	500	400	100	0	0	0	0	0	0	0	0	0	STP Flex
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,650</b>	<b>6,920</b>	<b>1,730</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	



**Project Description:**

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

**Mile Post/s:**

**Complete Streets (CS):**

**Project will implement:** No information available. However, CS principles will be considered in all Highway Projects.

**Existing Feature/s:** No information available.

**Project Website:** None

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

**Estimated Total Project Cost:** \$92,000,000

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

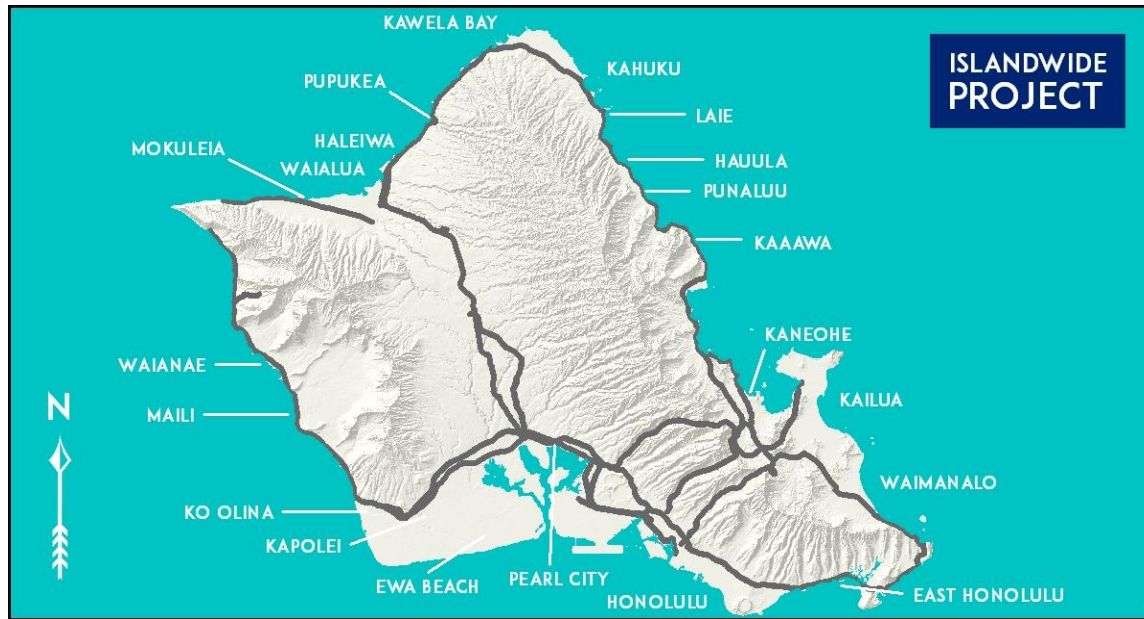
**Project Sponsor:** City and County of Honolulu

**Agency Responsible for Carrying Out Project/Phase:**

City Department of Design and Construction

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
PE1	0	0	0	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
PE2	10	0	10	5	0	5	800	0	800	10	0	10	0	0	0	0	0	0	Local Only
ROW	100	0	100	10	0	10	10	0	10	10	0	10	0	0	0	0	0	0	Local Only
CON	0	0	0	21,500	0	21,500	15,600	0	15,600	2,000	0	2,000	8,955	7,164	1,791	8,955	7,164	1,791	STP Flex
INSP	0	0	0	4,500	0	4,500	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
<b>Total</b>	<b>110</b>	<b>0</b>	<b>110</b>	<b>26,020</b>	<b>0</b>	<b>26,020</b>	<b>16,410</b>	<b>0</b>	<b>16,410</b>	<b>2,020</b>	<b>0</b>	<b>2,020</b>	<b>8,955</b>	<b>7,164</b>	<b>1,791</b>	<b>8,955</b>	<b>7,164</b>	<b>1,791</b>	

**Project Description:**

Provide traffic congestion relief and improve traffic safety at various locations, including but not limited to Kalaheo Avenue/Kailua Road, Mahoe and Waipahu Streets, Kailua Road/Waanao Road intersection improvements, Kalakaua shared use crossing, and Manager's Drive/Hiapo Street intersection improvements.

**Mile Post/s:** Not applicable

**Complete Streets (CS):**

**Project will implement:** Mahoe Street & Waipahu Street, Manager's Drive & Hiapo Street, Kailua Road & Waanao Road: Roundabouts, accessible curbs, and sidewalk improvements. Kalakaua Avenue: Bicycle lanes of 5 feet or greater width, shared-use paths of 10 feet or greater width, accessible curb ramps, and pedestrian underpasses or overpasses.

**Existing Feature/s:** No information available

**Project Website:** None

**Neighborhood(s):** Various Locations

**Estimated Total Project Cost:** \$15,015,000

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

**Project Sponsor:** City and County of Honolulu

**Agency Responsible for Carrying Out Project/Phase:**

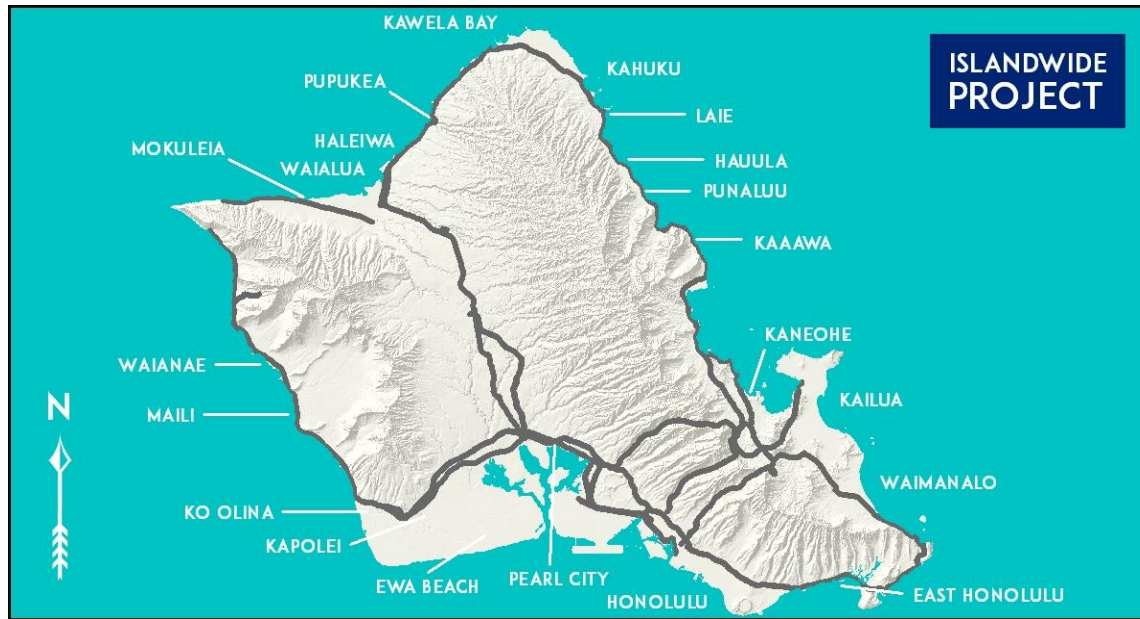
City Department of Transportation Services

													FOR INFORMATION ONLY						
	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	
Phase	(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)	Funding Category
Kalaheo Avenue/Kailua Road																			
ROW	0	0	0	106	85	21	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
CON	0	0	0	7,000	5,600	1,400	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
INSP	0	0	0	1,020	816	204	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
Kalakaua Shared Use Crossing																			
PE1	200	160	40	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	131	104	27	0	0	0	0	0	0	STP Flex
CON	0	0	0	0	0	0	0	0	0	0	0	0	1,275	1,020	255	0	0	0	STP Flex

**OC8      Traffic Improvements at Various Locations**

													FOR INFORMATION ONLY						
Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
Mahoe and Waipahu Streets																			
CON	0	0	0	0	0	0	0	0	0	3,500	2,800	700	0	0	0	0	0	0	STP Flex
INSP	0	0	0	0	0	0	0	0	0	800	640	160	0	0	0	0	0	0	STP Flex
Manager's Drive/Hiapo Street Intersection Improvem																			
PE1	0	0	0	0	0	0	0	0	0	415	332	83	0	0	0	0	0	0	STP Flex
PE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	160	128	32	STP Flex
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex
TBD - DES 2021																			
PE1	0	0	0	0	0	0	0	0	0	408	326	82	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	STP Flex
Total	200	160	40	8,126	6,501	1,625	0	0	0	5,254	4,202	1,052	1,275	1,020	255	160	128	32	





**Project Description:**

Install and upgrade traffic signals islandwide including ADA improvements, signs and markings, and interties.

**Mile Post/s:** Not applicable

**Complete Streets (CS):**

**Project will implement:** Not applicable

**Existing Feature/s:** Not applicable

**Project Website:** None

**Neighborhood(s):** Various Locations

**Estimated Total Project Cost:** \$21,692,000

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

**Project Sponsor:** City and County of Honolulu

**Agency Responsible for Carrying Out Project/Phase:**

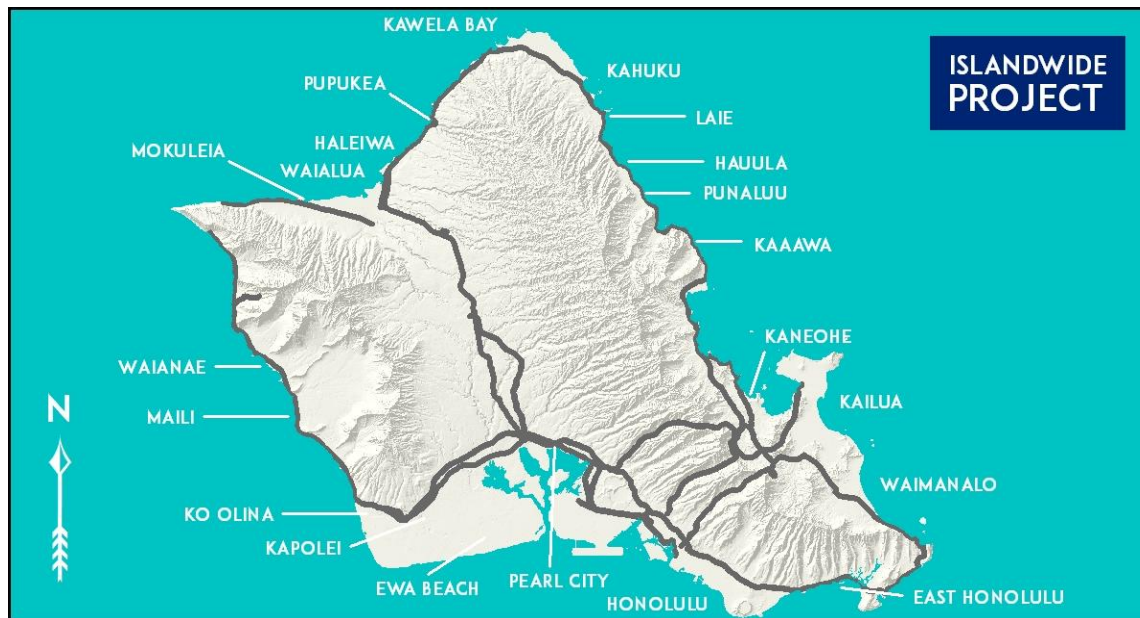
City Department of Transportation Services

													FOR INFORMATION ONLY							
	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024				
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local		
Phase	(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)	Funding Category	
Phase 15 - Prospect St/Prospect Pl, Kealamakai St/																				
CON	0	0	0	0	0	0	1,500	1,200	300	0	0	0	0	0	0	0	0	0	STP Flex	
INSP	0	0	0	0	0	0	300	240	60	0	0	0	0	0	0	0	0	0	STP Flex	
Phase 17																				
CON	3,910	3,114	796	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	STP Flex	
Phase 18																				
CON	0	0	0	0	0	0	0	0	0	3,450	2,760	690	1,250	1,000	250	0	0	0	STP Flex	
EQP	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	STP Flex	
Phase 19																				
PE2	0	0	0	0	0	0	0	0	0	260	208	52	0	0	0	0	0	0	STP Flex	
CON	0	0	0	0	0	0	0	0	0	0	0	0	4,463	3,570	893	0	0	0	STP Flex	
EQP	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	0	0	0	STP Flex	
Phase 20																				
PE1	0	0	0	250	200	50	0	0	0	0	0	0	0	0	0	0	0	0	STP Flex	
PE2	0	0	0	0	0	0	0	0	0	321	255	66	0	0	0	0	0	0	STP Flex	



# OC10 Traffic Signals at Various Locations

													FOR INFORMATION ONLY							
Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)		
Phase 20																				
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,901	3,121	780	STP Flex	
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	STP Flex	
Phase 21																				
PE1	0	0	0	0	0	0	0	0	0	325	260	65	0	0	0	0	0	0	STP Flex	
PE2	0	0	0	0	0	0	0	0	0	0	0	0	255	204	51	0	0	0	STP Flex	
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,825	3,060	765	STP Flex	
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	STP Flex	
INSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	998	799	199	STP Flex	
Phase 22 - TBD																				
PE1	0	0	0	0	0	0	0	0	0	0	0	0	325	260	65	0	0	0	STP Flex	
PE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	250	200	50	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	
Phase 23 - TBD																				
PE2	0	0	0	0	0	0	0	0	0	0	0	0	425	350	75	0	0	0	STP Flex	
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,750	3,000	750	STP Flex	
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	STP Flex	
Phase 24 - TBD																				
PE1	0	0	0	0	0	0	0	0	0	0	0	0	315	250	65	0	0	0	STP Flex	
PE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	375	300	75	STP Flex	
Phase 25 - TBD																				
PE1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	315	250	65	STP Flex	
Total	3,914	3,114	800	250	200	50	1,800	1,440	360	4,357	3,483	874	7,037	5,634	1,403	13,417	10,730	2,687		



**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.

**Mile Post/s:** Not applicable

**Complete Streets (CS):**

**Project will implement:** Not applicable.

**Existing Feature/s:** No information available.

**Project Website:** None

**Neighborhood(s):** Islandwide

**Estimated Total Project Cost:** \$643,000

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

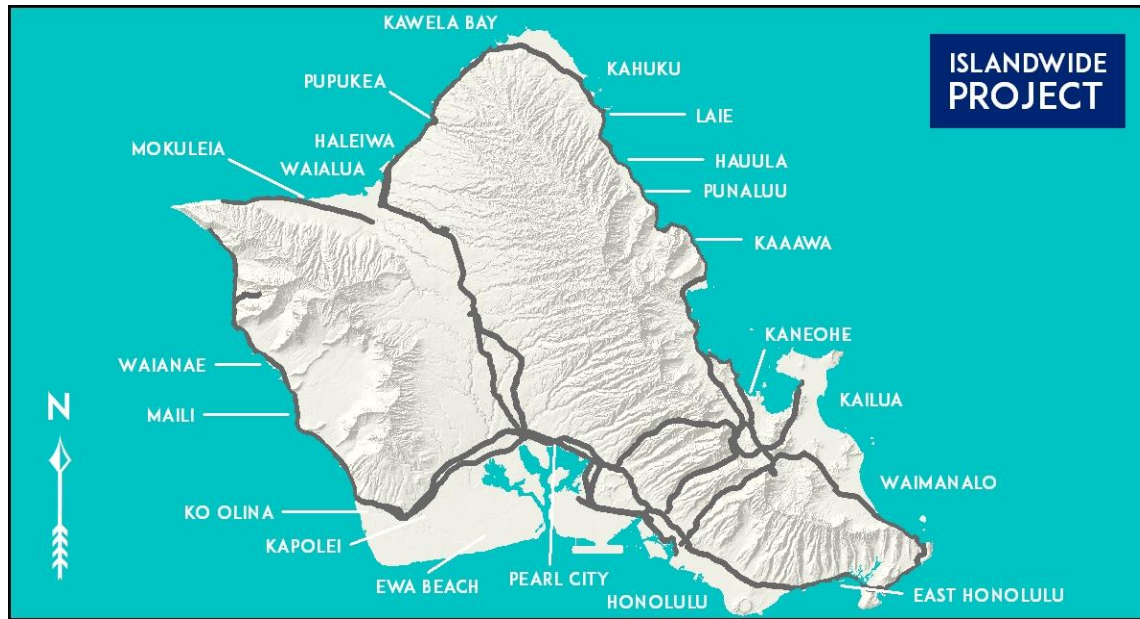
**Project Sponsor:** City and County of Honolulu

**Agency Responsible for Carrying Out Project/Phase:**

City Department of Transportation Services/HART

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
Phase 3 - Haleiwa Road Multi-Use Path																			
PE2	0	0	0	0	0	0	0	0	0	0	0	0	218	174	44	0	0	0	TAP
Phase 5 - Transit Oriented Development Wayfinder																			
PE2	425	340	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TAP
Total	425	340	85	0	0	0	0	0	0	0	0	0	218	174	44	0	0	0	



**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.

**Mile Post/s:**

**Complete Streets (CS):**

**Project will implement:** No information available. However, CS principles will be considered in all Highway Projects.

**Existing Feature/s:** No information available.

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

**Neighborhood(s):** Various Locations

**Estimated Total Project Cost:** \$46,600,000

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

**Project Sponsor:** City and County of Honolulu

**Agency Responsible for Carrying Out Project/Phase:**

City Department of Transportation Services/HART

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FOR INFORMATION ONLY						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)	FFY 2023			FFY 2024				
													Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)		
Phase 3 - Ala Wai Bridge Project																				
PE1	300	240	60	0	0	0	500	400	100	0	0	0	0	0	0	0	0	0	0	TAP-U
PE2	0	0	0	0	0	0	0	0	0	2,350	1,880	470	0	0	0	0	0	0	0	STP Flex
PE2	0	0	0	0	0	0	0	0	0	1,250	1,000	250	0	0	0	0	0	0	0	TAP-U
CON	0	0	0	0	0	0	0	0	0	0	0	0	16,828	13,462	3,366	0	0	0	0	STP Flex
Rail Station Multimodal Access Improvements (flex)																				
PE1	0	0	0	0	0	0	1,250	1,000	250	0	0	0	0	0	0	0	0	0	0	TAP-U
PE2	0	0	0	0	0	0	4,000	3,200	800	0	0	0	0	0	0	0	0	0	0	TAP-U

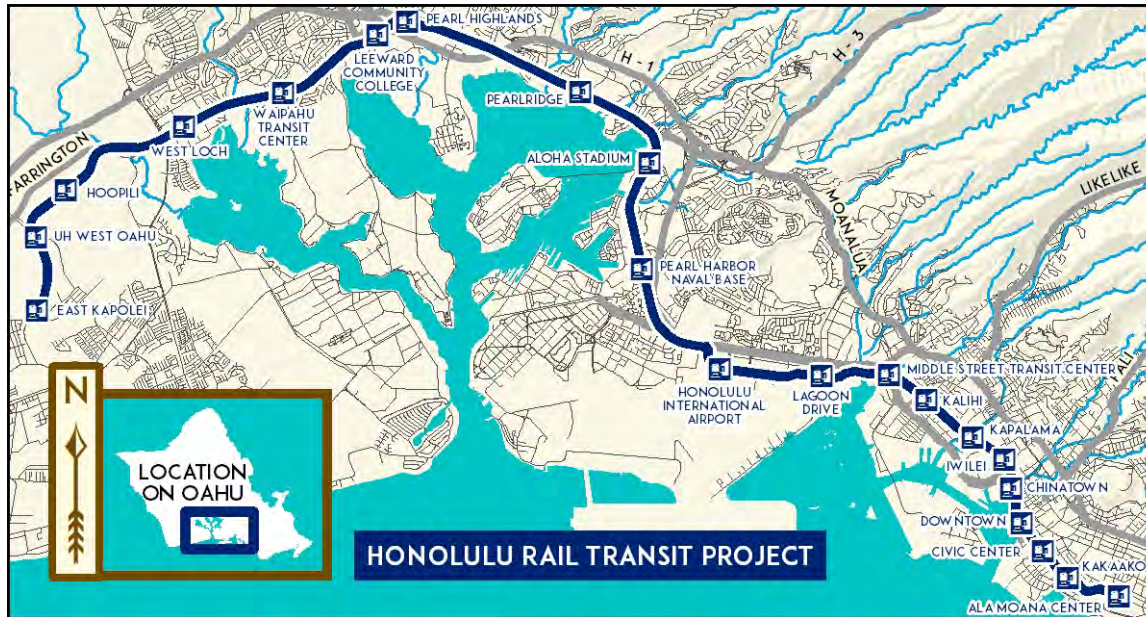
**OC25      Transportation Alternatives Program (MPO) at Various Locations**

													FOR INFORMATION ONLY							
Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			Funding Category	
	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)		
Rail Station Multimodal Access Improvements (flex																				
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35,000	0	35,000	Local Only	
INSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,000	0	3,000	Local Only	
Total	300	240	60	0	0	0	5,750	4,600	1,150	3,600	2,880	720	16,828	13,462	3,366	38,000	0	38,000		

## **6.2.2 FTA-Funded Projects**

### **6.2.2.1 Oahu State (OS) Projects**





**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.

**Mile Post/s:** Not applicable

**Complete Streets (CS):**

**Project will implement:** Not applicable

**Existing Feature/s:** No information available.

**Project Website:** None

**Neighborhood(s):** Islandwide

**Estimated Total Project Cost:** \$1,874,000

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

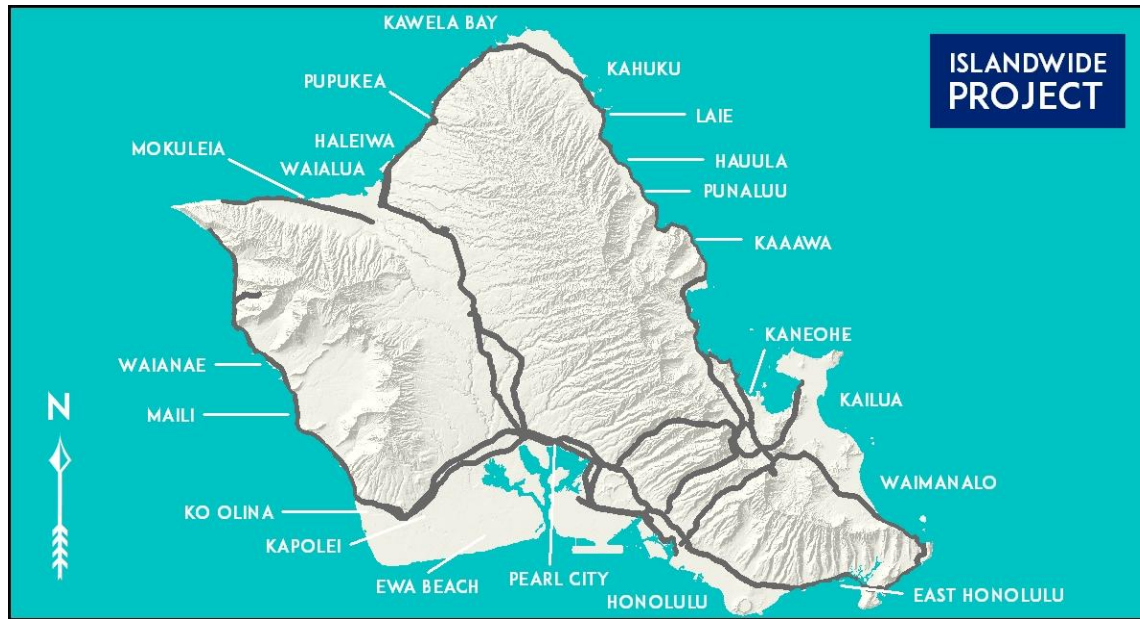
**Project Sponsor:** State of Hawaii (FTA Funded)

**Agency Responsible for Carrying Out Project/Phase:**

Hawaii Department of Transportation

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
OPR	290	232	58	299	239	60	307	246	61	316	253	63	326	261	65	336	269	67	\$5329
Total	290	232	58	299	239	60	307	246	61	316	253	63	326	261	65	336	269	67	



**Project Description:**

Funds from the program will be utilized for the purchase of buses for paratransit services for seniors and individuals with disabilities.

**Mile Post/s:** Not applicable

**Complete Streets (CS):**

**Project will implement:** Not applicable

**Existing Feature/s:** Not applicable

**Project Website:** None

**Neighborhood(s):** Various Locations

**Estimated Total Project Cost:** \$3,519,000

*(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

													FOR INFORMATION ONLY						
Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			Funding Category
	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)	
EQP	544	435	109	560	448	112	576	461	115	594	475	119	613	490	123	632	505	127	\$5310
Total	544	435	109	560	448	112	576	461	115	594	475	119	613	490	123	632	505	127	

## **6.2.2 FTA-Funded Projects**

### **6.2.2.2 Oahu City (OC) Projects**



**Project Description:**

Purchase replacement transit buses and Handi-Van vehicles.

**By FFY:**

2019: 30 < 30' buses + 10 - 40' buses + 19 - 60' buses  
 2020: 36 < 30' vehicles + 20 - 40' buses + 20 60' buses  
 2021: 25 < 30' buses + 24 - 40' buses + 10 - 60' buses  
 2022: 30 < 30' buses + 10 - 40' buses + 10 - 60' buses  
 2023: TBD  
 2024: TBD

**Mile Post/s:** Not applicable

**Complete Streets (CS):**

**Project will implement:** Not applicable

**Existing Feature/s:** Not applicable

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

**Neighborhood(s):** Various Locations

**Estimated Total Project Cost:** \$183,408,000

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

**Project Sponsor:** City and County of Honolulu

**Agency Responsible for Carrying Out Project/Phase:**

City Department of Transportation Services

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
2019: 30 <30' buses +10 - 40' buses +19 - 60' bus																			
DES	642	513	129	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5339 (2017)
EQP	1,223	978	245	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5307/\$5340
EQP	14,353	11,482	2,871	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5307/5340 (2018)
EQP	916	733	183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5310-Urban
EQP	741	593	148	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5310-Urban (2017)
EQP	901	721	180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5310-Urban (2018)
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5337 SOGR
EQP	141	113	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5337 SOGR (2017)
EQP	1,363	1,090	273	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5337 SOGR (2018)

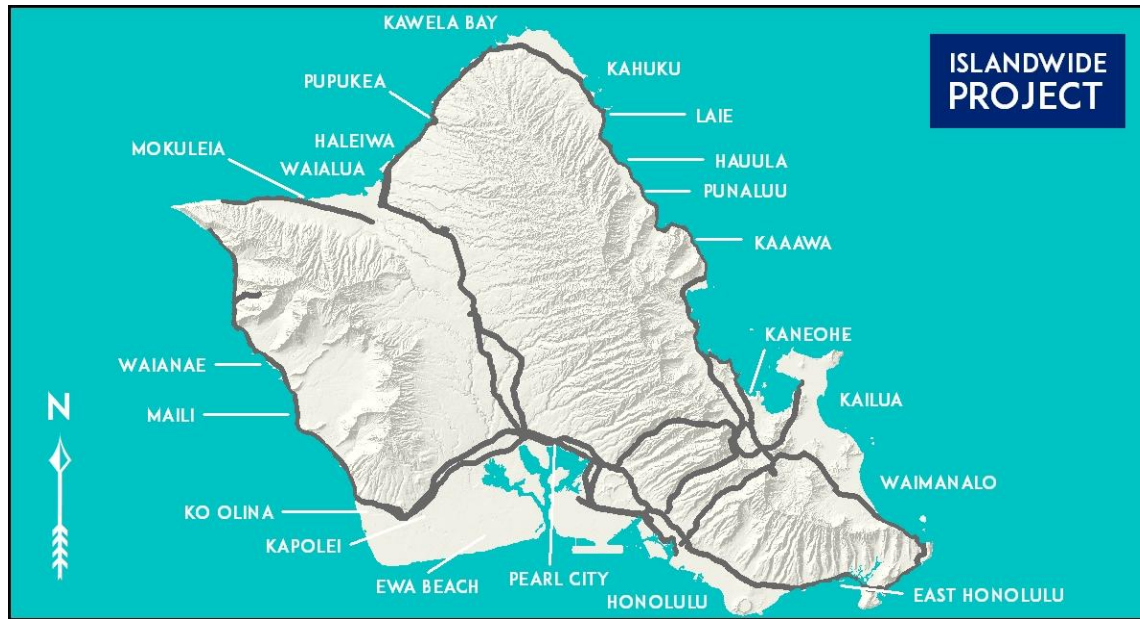
**OC13      Bus and Handi-Van Acquisition Program**

FOR INFORMATION ONLY																			
Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
2019: 30 <30' buses + 10 - 40' buses + 19 - 60' bus																			
EQP	1,947	1,558	389	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5339
EQP	1,301	1,041	260	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5339 (2017)
EQP	5,135	4,108	1,027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5339 (2018)
INSP	49	39	10	49	39	10	49	39	10	49	39	10	49	39	10	49	39	10	\$5307/\$5340
2020: 36 <30' buses + 20 - 40' buses + 20 - 60' bu																			
DES	0	0	0	498	398	100	0	0	0	0	0	0	0	0	0	0	0	0	\$5339
CON	0	0	0	3,142	1,728	1,414	0	0	0	0	0	0	0	0	0	0	0	0	\$5339
EQP	0	0	0	11,811	9,449	2,362	0	0	0	0	0	0	0	0	0	0	0	0	\$5307/\$5340
EQP	0	0	0	9,390	7,512	1,878	0	0	0	0	0	0	0	0	0	0	0	0	\$5307/5340 (2019)
EQP	0	0	0	406	325	81	0	0	0	0	0	0	0	0	0	0	0	0	\$5310-Urban
EQP	0	0	0	1,201	961	240	0	0	0	0	0	0	0	0	0	0	0	0	\$5337 SOGR
EQP	0	0	0	2,063	1,650	413	0	0	0	0	0	0	0	0	0	0	0	0	\$5337 SOGR (2019)
EQP	0	0	0	5,350	4,280	1,070	0	0	0	0	0	0	0	0	0	0	0	0	\$5339
EQP	0	0	0	7,390	3,815	3,575	0	0	0	0	0	0	0	0	0	0	0	0	\$5339
EQP	0	0	0	4,589	3,671	918	0	0	0	0	0	0	0	0	0	0	0	0	\$5339 (2019)
2021: 25 <30' buses + 24 - 40' buses + 10 - 60' bu																			
DES	0	0	0	0	0	0	555	444	111	0	0	0	0	0	0	0	0	0	\$5339 (Low-No)
CON	0	0	0	0	0	0	2,160	1,728	432	0	0	0	0	0	0	0	0	0	\$5339 (Low-No)
EQP	0	0	0	0	0	0	10,290	8,232	2,058	0	0	0	0	0	0	0	0	0	\$5307/\$5340
EQP	0	0	0	0	0	0	4,393	3,514	879	0	0	0	0	0	0	0	0	0	\$5307/\$5340 (2020)
EQP	0	0	0	0	0	0	2,588	2,070	518	0	0	0	0	0	0	0	0	0	\$5307/5340 (2019)
EQP	0	0	0	0	0	0	431	345	86	0	0	0	0	0	0	0	0	0	\$5310-Urban
EQP	0	0	0	0	0	0	116	93	23	0	0	0	0	0	0	0	0	0	\$5310-Urban (2020)
EQP	0	0	0	0	0	0	1,181	945	236	0	0	0	0	0	0	0	0	0	\$5337 SOGR
EQP	0	0	0	0	0	0	129	103	26	0	0	0	0	0	0	0	0	0	\$5337 SOGR (2020)
EQP	0	0	0	0	0	0	4,509	3,607	902	0	0	0	0	0	0	0	0	0	\$5339
EQP	0	0	0	0	0	0	4,710	3,768	942	0	0	0	0	0	0	0	0	0	\$5339 (Low-No)
2022: 30 <30' buses + 10 - 40' buses + 10 - 60' bu																			
EQP	0	0	0	0	0	0	0	0	0	16,364	8,818	7,546	0	0	0	0	0	0	\$5307/\$5340
EQP	0	0	0	0	0	0	0	0	0	417	334	83	0	0	0	0	0	0	\$5310-Urban
EQP	0	0	0	0	0	0	0	0	0	1,850	1,480	370	0	0	0	0	0	0	\$5337 SOGR
EQP	0	0	0	0	0	0	0	0	0	3,848	3,078	770	0	0	0	0	0	0	\$5339
2023: TBD																			
EQP	0	0	0	0	0	0	0	0	0	0	0	0	1,888	1,510	378	0	0	0	\$5337 SOGR
EQP	0	0	0	0	0	0	0	0	0	0	0	0	3,925	3,140	785	0	0	0	\$5339
EQP	0	0	0	0	0	0	0	0	0	0	0	0	16,691	8,994	7,697	0	0	0	\$5307/\$5340
EQP	0	0	0	0	0	0	0	0	0	0	0	0	426	341	85	0	0	0	\$5310-Urban



**OC13      Bus and Handi-Van Acquisition Program**

													FOR INFORMATION ONLY						Funding Category	
Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024				
	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)		
2023: TBD																				
DES	0	0	0	0	0	0	0	0	0	0	0	0	450	360	90	0	0	0	CongrDS	
CON	0	0	0	0	0	0	0	0	0	0	0	0	1,875	1,500	375	0	0	0	CongrDS	
EQP	0	0	0	0	0	0	0	0	0	0	0	0	20,316	13,225	7,091	0	0	0	CongrDS	
2024: TBD																				
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17,025	9,174	7,851	\$5307/\$5340	
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	434	347	87	\$5310-Urban	
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,925	1,540	385	\$5337 SOGR	
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,003	3,202	801	\$5339	
Total	28,712	22,969	5,743	45,889	33,828	12,061	31,111	24,888	6,223	22,528	13,749	8,779	45,620	29,109	16,511	23,436	14,302	9,134		



**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.

**Mile Post/s:** Not applicable

**Complete Streets (CS):**

**Project will implement:** Not applicable

**Existing Feature/s:** Not applicable

**Project Website:** None

**Neighborhood(s):** Various Locations

**Estimated Total Project Cost:** \$4,177,000

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

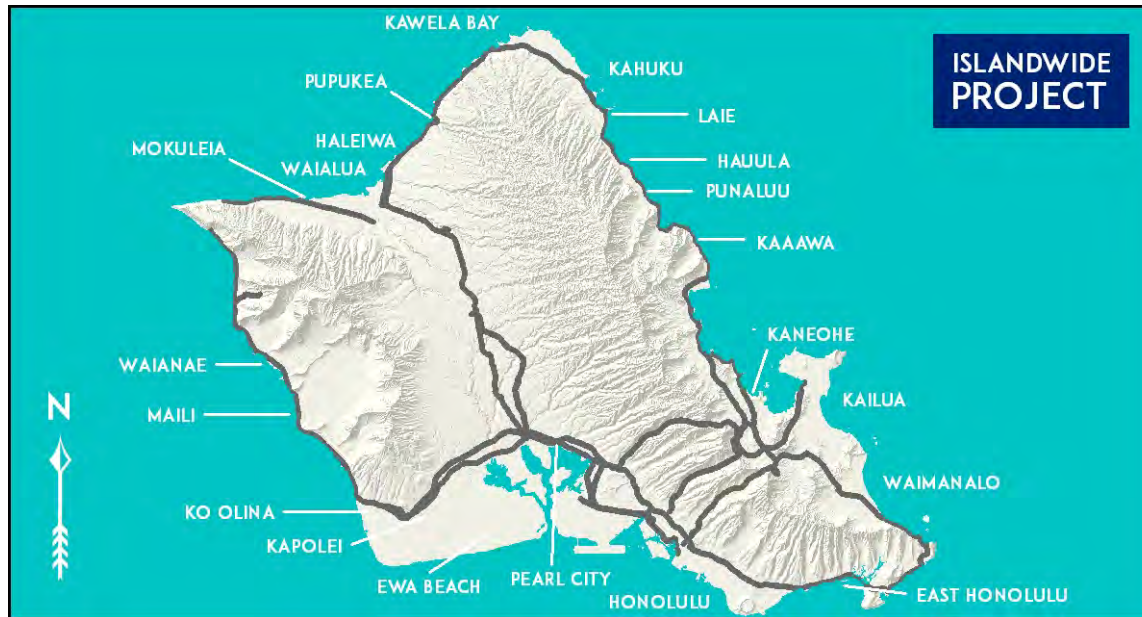
**Project Sponsor:** City and County of Honolulu

**Agency Responsible for Carrying Out Project/Phase:**

City Department of Transportation Services

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
DES	0	0	0	1	0	1	365	292	73	0	0	0	0	0	0	0	0	0	§5307/§5340
CON	741	304	437	741	304	437	250	200	50	380	304	76	380	304	76	380	304	76	§5307/§5340
CON	0	0	0	406	325	81	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340
Total	741	304	437	1,148	629	519	615	492	123	380	304	76	380	304	76	380	304	76	



**Project Description:**

Department of Transportation Services staff attendance at training workshops offered by the National Transit Institute.

**Mile Post/s:**

**Complete Streets (CS):**

**Project will implement:** Not applicable

**Existing Feature/s:** Not applicable

**Project Website:** None

**Neighborhood(s):** Various Locations

**Estimated Total Project Cost:** \$143,000

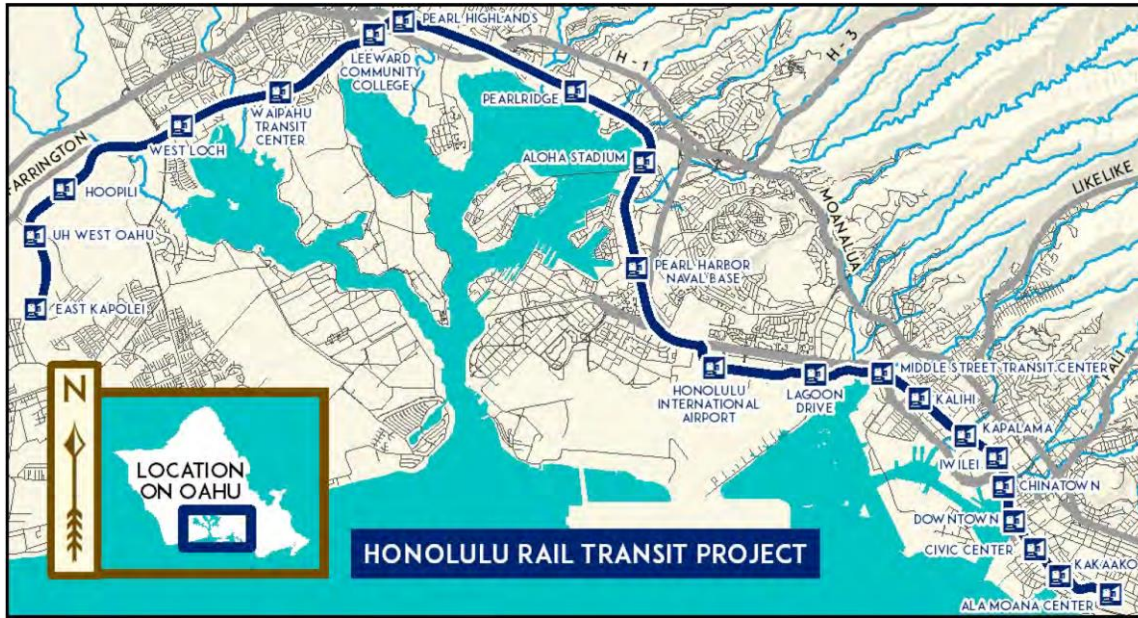
*(May include project costs outside of the 4-year TIP and 2 informational years.)*

**Project Sponsor:** City and County of Honolulu

**Agency Responsible for Carrying Out Project/Phase:**

City Department of Transportation Services

Phase	FOR INFORMATION ONLY																		Funding Category
	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			
	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)	
OPR	26	21	5	28	22	6	0	0	0	29	23	6	30	24	6	30	24	6	\$5307/\$5340
Total	26	21	5	28	22	6	0	0	0	29	23	6	30	24	6	30	24	6	

**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.

**Mile Post/s:** Not applicable

**Complete Streets (CS):**

**Project will implement:** Not applicable

**Existing Feature/s:** Not applicable

**Project Website:** <http://www.honolulutrainsit.org>

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

**Estimated Total Project Cost:** \$8,299,000,000

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

**Project Sponsor:** City and County of Honolulu

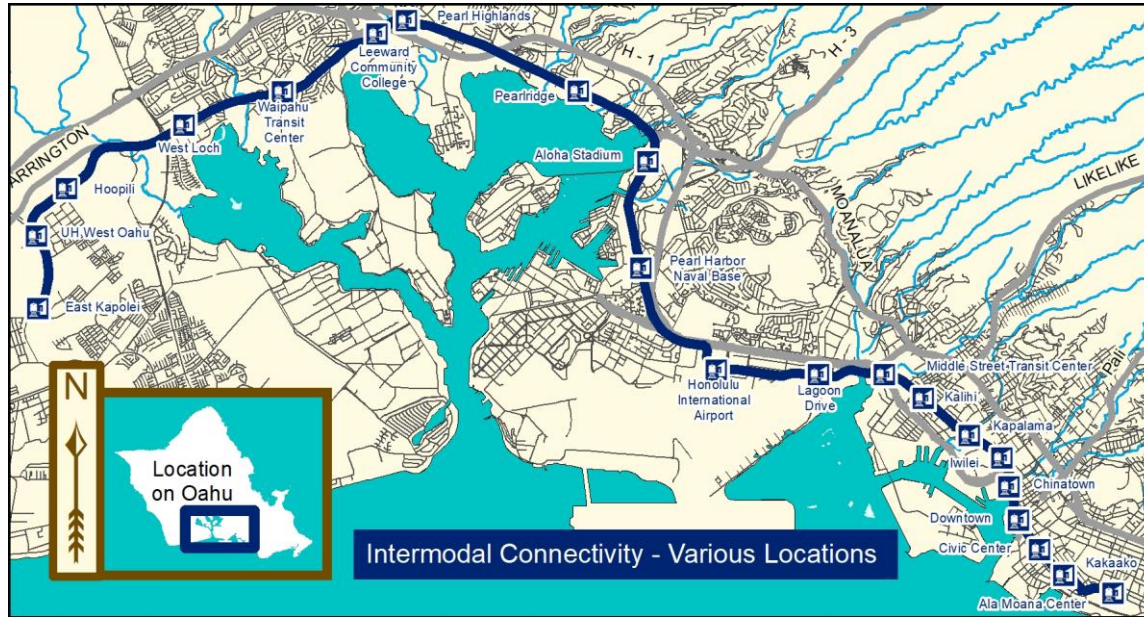
**Agency Responsible for Carrying Out Project/Phase:**

Honolulu Authority for Rapid Transportation

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
§5309 New Starts																			
H RTP	0	0	0	0	0	0	1,250,000	400,000	850,000	468,750	150,000	318,750	312,500	100,000	212,500	156,250	50,000	106,250	§5309 NS
Phase 1 TAP MPO - HART Secure Bike Storage Units																			
CON	0	0	0	0	0	0	500	400	100	0	0	0	0	0	0	0	0	0	§5307/§5340
Phase 1 TAP State - HART Chinatown Bike Facility (PE2/CON)																			
PE2/CON	0	0	0	0	0	0	0	0	0	250	200	50	0	0	0	0	0	0	§5307/§5340
Phase 2 TAP MPO - HART Middle Loch Connector																			
CON	0	0	0	0	0	0	0	0	0	500	400	100	0	0	0	0	0	0	§5307/§5340
Total	0	0	0	0	0	0	1,250,500	400,400	850,100	469,500	150,600	318,900	312,500	100,000	212,500	156,250	50,000	106,250	





**Project Description:**

This program encompasses projects that have been awarded OahuMPO Transportation Set-Aside funds (TA Set-Aside) and have been flexed from FHWA to FTA. The TA Set-Aside 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 TA Project Evaluation and Ranking process.

**Mile Post/s:**

**Complete Streets (CS):**

**Project will implement:** Project will incorporate complete streets features for pedestrian and bicycle use.

**Existing Feature/s:**

**Project Website:**

**Neighborhood(s):** Various Locations

**Estimated Total Project Cost:** \$43,250,000

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

**Project Sponsor:** City and County of Honolulu

**Agency Responsible for Carrying Out Project/Phase:**

City Department of Transportation Services

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
Rail Station Multimodal Access Improvements																			
PE1	0	0	0	0	0	0	1,250	1,000	250	0	0	0	0	0	0	0	0	0	TAP-U
PE2	0	0	0	0	0	0	4,000	2,113	1,887	0	0	0	0	0	0	0	0	0	TAP-U
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35,000	0	35,000	Local Only
INSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,000	0	3,000	Local Only
Total	0	0	0	0	0	0	5,250	3,113	2,137	0	0	0	0	0	0	38,000	0	38,000	







**Project Description:**

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

**Mile Post/s:**

**Complete Streets (CS):**

**Project will implement:** Not applicable

**Existing Feature/s:** Not applicable

**Project Website:** None

**Neighborhood(s):** Various Locations

**Estimated Total Project Cost:** \$105,000,000

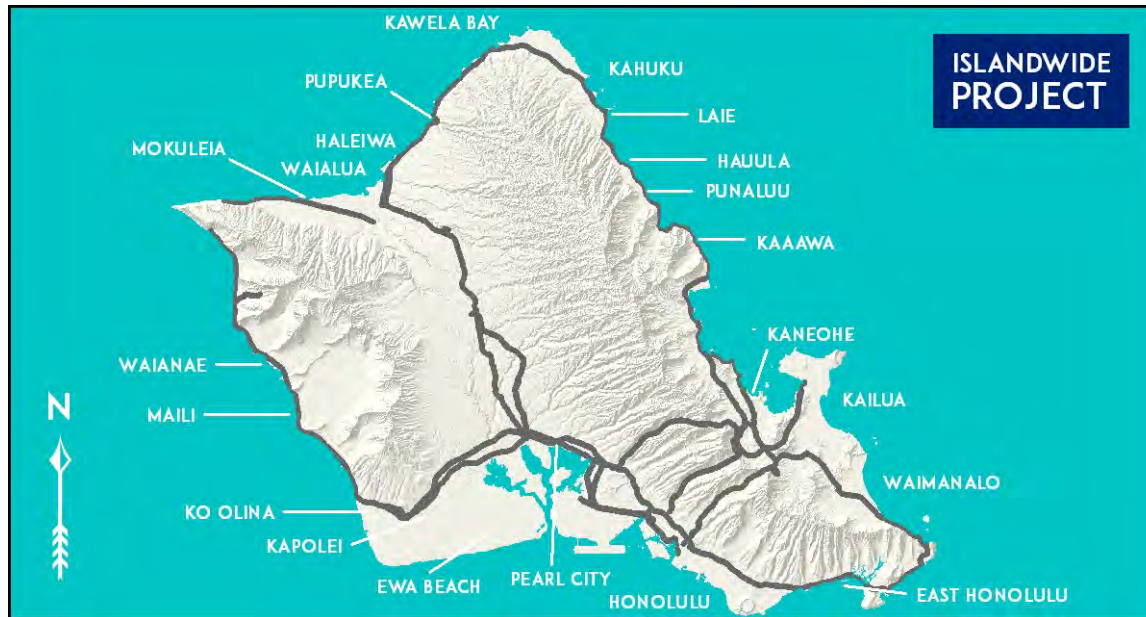
*(May include project costs outside of the 4-year TIP and 2 informational years.)*

**Project Sponsor:** City and County of Honolulu

**Agency Responsible for Carrying Out Project/Phase:**

City Department of Transportation Services

													FOR INFORMATION ONLY						
Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			Funding Category
	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)	
OPR	26,250	21,000	5,250	26,250	21,000	5,250	26,250	21,000	5,250	26,250	21,000	5,250	26,250	21,000	5,250	26,250	21,000	5,250	\$5307/\$5340
Total	26,250	21,000	5,250	26,250	21,000	5,250	26,250	21,000	5,250	26,250	21,000	5,250	26,250	21,000	5,250	26,250	21,000	5,250	

**Project Description:**

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

**Mile Post/s:** Not applicable

**Complete Streets (CS):**

**Project will implement:** Not applicable

**Existing Feature/s:** No information available.

**Project Website:** None

**Neighborhood(s):** Various Locations

**Estimated Total Project Cost:** \$2,305,000

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

**Project Sponsor:** City and County of Honolulu

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

**FOR INFORMATION ONLY**

Phase	FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024			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)	
PLN	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	Local Funds Only
DES	1	0	1	1	0	1	255	204	51	1	0	1	1	0	1	1	0	1	§5307/§5340
CON	1	0	1	1	0	1	550	440	110	1	0	1	1	0	1	1	0	1	§5307/§5340
EQP	377	304	73	364	291	73	0	0	0	377	301	76	378	302	76	382	305	77	§5307/§5340
Total	380	304	76	367	291	76	806	644	162	380	301	79	381	302	79	385	305	80	

## 6.3 FUNDING SUMMARY

				FFYS 2019-2022 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)									ILLUSTRATIVE YEARS FOR INFORMATION ONLY								
				FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024		
				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 20 Total	61,875	53,187	8,688	157,476	109,866	47,610	262,879	166,381	96,498	97,355	90,693	6,662	76,730	71,838	4,892	248,524	60,709	187,815		
	As of Rev 21 Changes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Total as of Revision 21	61,875	53,187	8,688	157,476	109,866	47,610	262,879	166,381	96,498	97,355	90,693	6,662	76,730	71,838	4,892	248,524	60,709	187,815		
	Oahu City (OC)																				
	As of Revision 20 Total	13,702	8,840	4,862	37,004	8,371	28,633	35,178	13,293	21,885	32,854	12,445	20,409	117,685	36,136	81,549	68,132	54,206	13,926		
	As of Rev 21 Changes	0	0	0	0	0	0	0	0	0	0	0	0	2,451	1,960	491	0	0	0		
	Total as of Revision 21	13,702	8,840	4,862	37,004	8,371	28,633	35,178	13,293	21,885	32,854	12,445	20,409	120,136	38,096	82,040	68,132	54,206	13,926		
	TOTAL FHWA	75,577	62,027	13,550	194,480	118,237	76,243	298,057	179,674	118,383	130,209	103,138	27,071	196,866	109,934	86,932	316,656	114,915	201,741		
				FFY 2019			FFY 2020			FFY 2021			FFY 2022			FFY 2023			FFY 2024		
				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 20 Total	834	667	167	859	687	172	883	707	176	910	728	182	939	751	188	968	774	194		
	As of Rev 21 Changes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Total as of Revision 21	834	667	167	859	687	172	883	707	176	910	728	182	939	751	188	968	774	194		
	Oahu City (OC)																				
	As of Revision 20 Total	56,109	44,598	11,511	73,682	55,770	17,912	1,320,820	450,537	870,283	519,067	185,977	333,090	362,520	135,654	226,866	244,731	116,335	128,396		
	As of Rev 21 Changes	0	0	0	0	0	0	0	0	0	0	0	0	22,641	15,085	7,556	0	0	0		
Total as of Revision 21	56,109	44,598	11,511	73,682	55,770	17,912	1,320,820	450,537	870,283	519,067	185,977	333,090	385,161	150,739	234,422	244,731	116,335	128,396			
TOTAL FTA	56,943	45,265	11,678	74,541	56,457	18,084	1,321,703	451,244	870,459	519,977	186,705	333,272	386,100	151,490	234,610	245,699	117,109	128,590			

## 6.4 FHWA REGULAR FORMULA FUNDS PROGRAMMED

	TRANSPORTATION IMPROVEMENT PROGRAM				FOR INFORMATION ONLY	
	FFY 2019	FFY 2020	FFY 2021	FFY 2022	FFY 2023	FFY 2024
<b>Oahu State (OS)</b>						
Bridge On-System	0	0	0	0	0	0
National Highway Performance Program	52,725	96,039	131,664	86,246	67,951	60,422
Earmark High Priority	0	0	2,200	0	0	0
Highway Safety Improvement Program	0	3,652	9,730	4,000	1,600	0
Interstate Maintenance	0	0	0	0	0	0
Interstate Maintenance Discretionary	0	0	0	0	0	0
National Highway System	0	0	0	0	0	0
Recreational Trails Program	287	287	287	287	287	287
Surface Transportation Block Grant Program	0	5,000	0	160	2,000	0
Transfer from FHWA to FTA	0	0	0	0	0	0
Re-Purposed Earmarks	0	0	0	0	0	0
Transportation Enhancement	175	4,888	2,500	0	0	0
<b>State - FHWA Total</b>	<b>53,187</b>	<b>109,866</b>	<b>146,381</b>	<b>90,693</b>	<b>71,838</b>	<b>60,709</b>
<b>Oahu City (OC)</b>						
Bridge Off-System	800	800	800	800	800	800
Surface Transportation Block Grant Program	6,874	7,461	8,980	10,645	34,062	53,406
Transportation Alternatives Program - Urban	240	0	3,513	1,000	0	0
Transportation Alternatives Program	340	0	0	0	174	0
Safe Routes To School	0	0	0	0	0	0
Federal Lands Highway Discretionary	586	110	0	0	1,100	0
<b>City - FHWA Total</b>	<b>8,840</b>	<b>8,371</b>	<b>13,293</b>	<b>12,445</b>	<b>36,136</b>	<b>54,206</b>
<b>FHWA TOTAL</b>	<b>62,027</b>	<b>118,237</b>	<b>159,674</b>	<b>103,138</b>	<b>107,974</b>	<b>114,915</b>

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



# 7 FINANCIAL PLANNING

The primary sources of revenue underlying the surface transportation system for Oahu have been, and will continue to be our federal, state, and local governments. Federal funds are provided through the FHWA and the FTA. The FFYs 2019-2022 TIP is financially constrained; that is, there is a reasonable expectation that projects can be implemented using committed, available, or reasonably available federal and local funding.

An inflation factor was used in the financial assumptions to reflect “year of expenditure” dollars. As of 2017, HDOT sets a compounded inflation rate of 2% for all STIP projects. Therefore, agencies were requested to apply a 2% inflation factor to all project estimates.

## 7.1. FUNDING SOURCES

### 7.1.1. FHWA Program

The FHWA funds are appropriated annually by Congress. The Fixing America’s Surface Transportation (FAST) Act is the authorization bill that governs federal surface transportation spending. It was signed into law by President Barack Obama on December 4, 2015.

The previous authorization bill for federal surface transportation spending was the Moving Ahead for Progress in the 21st Century (MAP-21) Act. President Barack Obama signed it on July 6,

2012. MAP-21 reformed aspects of the prior authorization bill, SAFETEA-LU. Map-21 consolidated bicycle and pedestrian transportation projects into one program for Transportation Alternatives (TAP).

Prior to Map-21, SAFETEA-LU had been signed into law by President George W. Bush on August 10, 2005, and extended through 2010 by the Continuing Appropriations Resolution, 2010 (Public Law 111-68), as amended.

Currently, FAST has established about \$170-\$190 million in obligation authority, estimated to be available for the entire *State of Hawaii* each fiscal year. Detailed information on the revenues estimated to be available for the State of Hawaii is available in HDOT’s FFYs 2019-2022 STIP. OahuMPO’s TIP focuses on transportation programs and projects for the *island of Oahu* only.

In developing the FFYs 2019-2022 TIP, OahuMPO, HDOT, and DTS cooperatively formulated estimates of FHWA funds that were reasonably expected to be available for projects on the island of Oahu. Statewide funding distribution estimates were developed based on a combination of historic data, vehicle miles travelled (VMT) and public needs. It was estimated that about \$78 million would be available annually for projects sponsored by the State of Hawaii, and about \$17 million would be available for projects sponsored by the City and County of

Honolulu, for a total of about \$95 million for the island of Oahu.

Under the FAST Act, HDOT may transfer apportionments from one program to another (with associated repercussions). For example, HDOT may transfer up to 50% of its National Highway System apportionment to the Statewide Transportation Program apportionment. Therefore, the total amount of FHWA funds programmed is key. However, although this provides more immediate flexibility, transferring from one fund type to another reduces the ability to follow through with the intent of the fund and temporarily eliminates the possibility of applying for certain discretionary funds.

FHWA funding sources include:

- Congestion Mitigation Air Quality Improvement Program;
- Discretionary;
- Highway Safety Improvement Program;
- National Highway Performance Program;
- Recreational Trails Program;
- Surface Transportation Program (flexible);
- Transportation Alternatives; and
- Transportation Enhancement Program (residual). Each of the funding sources is described below

### **Congestion Mitigation & Air Quality Improvement Program**

The Congestion Mitigation and Air Quality (CMAQ) Improvement Program provides funding for transportation projects or programs that will contribute to attainment or maintenance of the national ambient air quality standards for ozone, carbon monoxide, and particulate matter. Because Oahu is an air quality attainment area, CMAQ funds provide a flexible funding source for transportation projects. The FAST Act emphasizes diesel engine retrofits and alternative fuel infrastructure.

### **Discretionary**

Discretionary funds are additional funds (not formula funds) that the federal government may decide to award to the region. Examples include Corridor Planning, Ferry Boats, System Preservation funding; Public Lands Highways funding; and congressional allocations.

### **Highway Safety Improvement Program**

The purpose of the Highway Safety Improvement Program (HSIP) is to reduce traffic fatalities and serious injuries on all public roads. Projects must be consistent with the State's Safety Highway Safety Program, and must be identified on the basis of crash experience, potential, rate, and/or other data-driven means.<sup>2</sup>

### **National Highway Performance Program**

The National Highway Performance Program (NHPP) allows for the realization of varied functions including but not limited to support for its maintenance and performance, construction of

<sup>2</sup> 23 U.S.C. 148(c)(2)(B)

new facilities, prevention of infrastructure- failure, and performance measure-based, asset management planning by individual state governments.

Residual sources of funding within NHPP include the National Highway System (NHS), which provided funding for improvements to rural and urban roads that are part of the NHS, including the Interstate System and designated connections to major intermodal terminals, because these roads are important to the nation's economy, defense, and mobility.

Another residual funding source is the Interstate Maintenance Program, which provided funding for resurfacing, restoring, rehabilitating, and reconstructing routes on the Interstate System.

Lastly, the Highway Bridge Program provided funding to improve the condition of highway bridges through replacement, rehabilitation, and systematic preventive maintenance. Bridge On-System funds were those for use on the Federal-aid highway system. Bridge Off-System funds were those for use not on the Federal-aid highway system.

### **Recreational Trails Program**

The Recreational Trails Program (RTP) provides funds to develop and maintain recreational trails and trail-related facilities for both non-motorized and motorized recreational trail uses. Nationwide, federal transportation funds benefit recreation uses such as hiking, bicycling, in-line skating, equestrian use, cross-country skiing, snowmobiling, off-road motorcycling, all-terrain vehicle riding, four-wheel driving, or using other off-road

motorized vehicles.

### **Surface Transportation Program**

The Surface Transportation Program (STP) provides flexible funding that may be used for projects on any Federal-aid highway, including the NHPP, bridge projects on any public road, transit capital projects, and public bus terminals and facilities.

### **Transportation Alternatives**

Transportation Alternatives (TA) is funded by set-aside Surface Transportation Block Grants. These include pedestrian and bicycle facilities, recreational trails, safe routes to school projects, historic preservation, vegetation management, and certain environmental mitigation.

### **Transportation Enhancement Program**

The Transportation Enhancement (TE) Program funded activities or projects are those that add community or environmental value to any active or completed transportation project and are over and above what is required for normal environmental mitigation for transportation improvements. Funding ceased in 2013, but residual funds exist for some states if said funds remained within their period of eligibility.

#### *7.1.2.FTA Program*

For financial constraint purposes, FTA formula apportionments, as estimated for FFYs 2019 and 2020 (<https://www.transit.dot.gov/>), were used. For FFYs 2021 to 2022, the nationwide funding level is assumed to grow at an annual rate of 2.1%, consistent with the Congressional Budget

Office forecast of the Highway Trust Fund revenues.

FTA Funds include:

- §5307 Urbanized Area Formula;
- §5309 Fixed Guideway Modernization;
- §5309 New Starts;
- §5310 Enhanced Mobility;
- §5329 State Safety Oversight Program;
- §5337 State of Good Repair;
- §5339 Bus and Bus Facilities; and
- §5340 Growing States and High-Density States

The following sections describe the various funding sources for FTA programs.

#### **Urbanized Area Formula Program, 49 U.S.C. §5307**

Section 5307 may be used for federal capital, operating, and planning assistance for transit in Urbanized Areas (UZAs), although operating assistance is generally not an eligible expense for UZAs with populations of 200,000 or more. A UZA is an area with a population of 50,000 or more that has been defined and designated as such in the most recent decennial census by the U.S. Census Bureau.

The City and County of Honolulu (City) is the designated recipient of funds apportioned to the Kailua-Kaneohe and Honolulu UZAs. The funds are apportioned based on legislative formulas, with different formulas applying to UZAs with

populations less than 200,000 and UZAs with populations of 200,000 or more. The Kailua-Kaneohe UZA apportionment formula is based on population and population density statistics from the most recent decennial census. The Honolulu UZA apportionment formula is based on a combination of population and population density statistics, and validated mileage and transit service data in FTA's National Transit Database (NTD).

One percent of funds appropriated for Section 5307 is set aside for Small Transit Intensive Cities (STIC). FTA apportions these funds to UZAs under 200,000 in population that operate at a level of service equal to or above the industry average level of service for all UZAs with a population of at least 200,000, but not more than 999,999, in one or more of six performance categories. FTA also apportions funds to urbanized areas under Section 5340 Growing States and High-Density States formula factors based on State population forecasts for 15 years beyond the most recent Census. Based on language in the SAFETEA-LU conference report, FTA consolidates the Section 5307, STIC, and Section 5340 amounts and identifies a single apportionment amount for each UZA. Section 5307 funds are available during the year of apportionment plus an additional three years, for a total of four years. The allocation of STIC will increase in FY 2019.

Section 5307 funds are programmed for transit vehicles and facilities, and preventive maintenance. FTA allows all maintenance costs as reported to the NTD to be eligible for capital assistance under "preventive maintenance."

### **Capital Investment Program, 49 U.S.C. §5309 – Fixed Guideway Modernization**

Fixed Guideway Modernization (FGM) funds are apportioned by a statutory tiered formula to fixed guideway systems at least seven years old. In the City's case, the term "fixed guideway system" refers to facilities on which bus service operates on exclusive or controlled rights-of-way (e.g., Hotel Street), and high-occupancy vehicle lanes. Like the Section 5307 funds, NTD data is used to apportion FGM funds; the funds are available during the year of apportionment plus an additional three years, for a total of four years. Transit vehicles are the only programmed use for these funds.

### **Capital Investment Program, 49 U.S.C. §5309 – New Starts**

New Starts funds are discretionary and are usually allocated by Congress. The New Starts program provides funds for construction of new fixed guideway systems or extensions to existing fixed guideway systems. Eligible purposes are light rail, rapid rail (heavy rail), commuter rail, monorail, automated fixed guideway system (such as a "people mover"), or a busway/high-occupancy vehicle facility, Bus Rapid Transit that is fixed guideway, or an extension of any of these.

The financial plan identifies three types of New Starts funds:

- Pre-FFY 2005 allocation that was extended until expended by the Conference Report on House Report 418, Consolidated Appropriations Act, 2005 (H.R. 108-792). These funds can be used for replacement, rehabilitation, and purchase of buses and related equipment and construction

of bus-related facilities. The programmed use of these funds is to purchase transit vehicles.

- Post-FFY 2005 allocation for new fixed guideway systems or extensions to existing fixed guideway systems. These funds are programmed for the Honolulu Rail Transit Project.

The Post-FFY 2005 allocation was available during the year of allocation plus two additional years, for a total of three years dependent on availability of local matching funds.

### **Capital Investment Program, 49 U.S.C. §5310 – Enhanced Mobility of Seniors and Individuals with Disabilities**

The TIP identifies specific types of transit-human services transportation projects that are statutorily-required, coordinated and public.

Enhanced Mobility is a pilot program which allows states and localities furnishing transit services to be direct recipients of program funds. To qualify, transportation services must link seniors and individuals with disabilities with non-emergency medical services.

### **State Safety Oversight Program, 49 U.S.C. §5329**

The State Safety Oversight Program provides monies for the safety compliance of federally-funded public transit projects, and facilitates safety improvements for said projects. This program ensures compliance by separating Safety Oversight from the rail agencies that are being reviewed.



### **State of Good Repair Program, 49 U.S.C. §5337**

The State of Good Repair (SOGR) funds exist to upkeep bus and rail transit systems. State of Good Repair currently funds maintenance of the Bus and Handi-van on Oahu. The FAST Act increased available SOGR funds.

### **Bus & Bus-Related Facilities, 49 U.S.C. §5339**

Funds for Bus and Bus-Related Facilities (Bus Capital) funds are discretionary and are allocated for specific uses. Transit vehicles and facilities are programmed with these funds.

The TIP identifies specific types of transit-human services transportation projects that are statutorily required, coordinated and public.

### **Growing States and High-Density States Formula, 49 U.S.C. §5340**

Growing States and High--Density States Formula funding was established by SAFETEA-LU to supplement Urban Area Formula, pursuant to certain thresholds established by the FTA.

#### *7.1.3. “Flexible” Funds*

The Federal Highway and Transit Laws authorize certain funds to be “flexible.” For example, FHWA Surface Transportation Program funds can be transferred from FHWA to FTA for use in

transit projects, while FTA Urbanized Area Formula funds may be available for highway projects to the extent that OahuMPO is able to certify that:

#### *7.1.4. Advance Construction*

Advanced construction is a technique that allows a state to initiate a project using non-federal funds in the absence of sufficient Federal-aid obligation authority for the Federal match of funding<sup>3</sup>. This heightened eligibility means that FHWA has heightened the ability of transportation agencies to undertake concurrent projects. After an advance construction project is authorized, the State may convert the project to regular federal-aid funding, provided federal funds are made available for the project.

#### *7.1.5. Local Funds*

### **State of Hawaii Funds**

The State of Hawaii imposes taxes, fees, and charges relating to the operation and use of motor vehicles on the public highways of the State. These funds are deposited into the State Highway Fund, established under Section 248-8 Hawaii Revised Statutes. Monies deposited in the State Highway Fund are used for acquisition, planning, design, construction, repair, and maintenance of the State Highway System.

<sup>3</sup> 23 U.S.C. 115

The current taxes, fees, and charges deposited into the State Highway Fund consist of:

- Highway fuel taxes;
- Vehicle registration and licensing fees;
- Vehicle weight tax;
- Motor vehicle rental and tour vehicle surcharge taxes.

Other miscellaneous sources of revenue include interest earnings on monies previously credited to the State Highway Fund, vehicle weight tax penalties, certain rental income from State Highway System properties, passenger motor vehicle inspection charges, overweight permits, sales of surplus lands, commercial license fees, and other miscellaneous revenues.

Every other year, the Governor submits to the State Legislature the Administration's biennium budget. The Legislature reviews the biennium budget in detail and authorizes all or a portion of the biennium budget and the individual capital improvement projects.

Authorization of the operating and capital improvement budgets by the Legislature, as part of the biennium budget, includes the appropriation of monies from designated sources. These appropriations authorize the funding for the local match for the State's federal-aid projects in the TIP.

### **City and County of Honolulu Funds**

Where local funding is identified in the FFYs 2019-2022 TIP for

City projects, City funds from existing revenue sources are programmed. The City exercises independent authority under the Hawaii State Constitution to assess, levy, and collect real property taxes. The Hawaii Revised Statutes authorizes the City to fix the fees and charges for all public services not otherwise provided for by the State and to issue general obligation bonds to finance its public improvement projects.

Under its Revised Charter, the City enacts balanced operating and capital budgets annually. The City operates on a 12-month fiscal year that begins on July 1 and ends on June 30 of the succeeding year. Appropriations authorized in the executive capital budget ordinance or any supplementary appropriation is valid for the fiscal year for which appropriation is made and twelve months thereafter; e.g., funds appropriated by the FFY 2017 capital budget ordinance are valid from July 1, 2016 until June 30, 2018 (Federal Fiscal Year 2017, quarter 3).

The City's bus preventive maintenance costs are funded by the City's annual operating budget. The Federal share of preventive maintenance costs are programmed on a reimbursable basis; i.e., funds appropriated for the City's FFY 2017 operating budget paid for preventive maintenance costs, and the Federal reimbursement was applied for and received in FFY 2017.

While it is anticipated that local funding will be available at the levels programmed in this document, enactment of the City's annual budget ordinances are still required.

### **Honolulu Authority for Rapid Transportation Funds**

The Honolulu Authority for Rapid Transportation (HART) is a semi-autonomous public agency that is building the Honolulu Rail Transit Project. The local share of project costs is currently funded through a dedicated ½-percent surcharge on the-State General Excise and Use Tax (GET) and a 1 percent surcharge on the Transient Accommodation Tax (TAX) until 2030.

## **7.2.ANNUAL FINANCIAL PLANS FOR MAJOR PROJECTS**

Title 23 United States Code Section 106 requires recipients of Federal financial assistance for projects to develop an annual Financial Plan for those projects that fall into either of the following two tiers:

- Projects with an estimated total project cost of \$500 million or more (Major Projects: 23 U.S.C. 106(h)); or
- Projects with an estimated total project cost between \$100 million and \$500 million (Major Projects Other - 23 USC 106(i)).

At the FHWA Hawaii Division Administrator's discretion, projects within the State of Hawaii that fall in the range of \$90-\$100 million may also be required to prepare a Financial Plan.

Projects meeting these thresholds shall have Financial Plans and Annual Updates prepared by the Project Owner. The Project Owner can determine the effective date of the Annual Update submission. It could be on the anniversary of the initial

financial plan or coincide with the State's fiscal year.

The FHWA Hawaii Division may provide assistance in developing Financial Plans and obtaining a Financial Plan template for Major Projects. For more information about Major Project requirements and Major Project financial plans, see the following FHWA websites:

- <http://www.fhwa.dot.gov/programadmin/mega/> ; and
- <http://www.fhwa.dot.gov/programadmin/mega/fplans.cfm>.

### 7.3 FINANCIAL CONSTRAINT TABLES

The tables demonstrate the financial constraint of each of the funding sources for each fiscal year.

#### 7.3.1. FHWA Financial Constraint

The FHWA program is financially constrained, as demonstrated in the following tables. The amount of FHWA funds estimated to be available for projects on Oahu is based on Federal Apportionment and determined through cooperative agreement between OahuMPO, HDOT, DTS, and HART. Information on the obligation authority estimated to be available for the entire State of Hawaii is available in the HDOT's FFYs 2019-2022 STIP, as revised.

#### **FHWA Financial Constraint – FFY 2019**

<b>Funding Category</b>	<b>Federal Funds Available for Oahu (x\$1000)</b>	<b>Local Funds (x\$1000)</b>	<b>Total Sources (x\$1000)</b>	<b>Total Funds Programmed (x\$1000)</b>	<b>Funds Balance (x\$1000)</b>
BUILD	-	-	-	-	-
Earmark HP	-	-	-	-	-
FLAP	586	147	733	733	-
HSIP	-	177	177	177	-
Locally Funded	-	41,510	41,510	41,510	-
NHPP	52,725	(36,240)	16,485	16,485	-
NATL REC TRAILS	287	72	359	359	-
OS BRIDGE	800	470	1,270	1,270	-
SRTS	-	-	-	-	-
STBG	7,049	7,269	14,318	14,318	-
TAP	340	85	425	425	-
TAP Urban	240	60	300	300	-
CMAQ	-	-	-	-	-
De-Obligations	3,772	-	3,772	-	3,772
LESS Off-STIP Obligations	(2,962)	-	(2,962)	-	(2,962)
FFY 2019 Balance					
<b>Total</b>	<b>62,837</b>	<b>13,550</b>	<b>76,387</b>	<b>75,577</b>	<b>810</b>

### **FHWA Financial Constraint – FFY 2020**

<b>Funding Category</b>	<b>Federal Funds Available for Oahu (x\$1000)</b>	<b>Local Funds (x\$1000)</b>	<b>Total Sources (x\$1000)</b>	<b>Total Funds Programmed (x\$1000)</b>	<b>Funds Balance (x\$1000)</b>
BUILD	-	-	-	-	-
Earmark HP	-	-	-	-	-
FLAP	110	27	137	137	-
HSIP	3,652	6,138	9,790	9,790	-
Locally Funded	-	6,920	6,920	6,920	-
NHPP	96,039	38,138	134,177	134,177	-
NATL REC TRAILS	287	72	359	359	-
OS BRIDGE	800	470	1,270	1,270	-
SRTS	-	-	-	-	-
STBG	17,349	24,478	41,827	41,827	-
TAP	-	-	-	-	-
TAP Urban	-	-	-	-	-
CMAQ	-	-	-	-	-
De-Obligations	-	-	-	-	-
LESS Off-STIP Obligations	-	-	-	-	-
FFY 2020 Balance	810		810		810
<b>Total</b>	<b>119,047</b>	<b>76,243</b>	<b>195,290</b>	<b>194,480</b>	<b>810</b>



### FHWA Financial Constraint – FFY 2021

<b>Funding Category</b>	<b>Federal Funds Available for Oahu (x\$1000)</b>	<b>Local Funds (x\$1000)</b>	<b>Total Sources (x\$1000)</b>	<b>Total Funds Programmed (x\$1000)</b>	<b>Funds Balance (x\$1000)</b>
BUILD	20,000	5,000	25,000	25,000	-
Earmark HP	2,200	550	2,750	2,750	-
FLAP	-	-	-	-	-
HSIP	9,730	2,140	11,870	11,870	-
Locally Funded	-	36,730	36,730	36,730	-
NHPP	131,664	55,836	187,500	187,500	-
NATL REC TRAILS	287	72	359	359	-
OS BRIDGE	800	470	1,270	1,270	-
SRTS	-	-	-	-	-
STBG	11,480	15,348	26,828	26,828	-
TAP	-	-	-	-	-
TAP Urban	3,513	2,237	5,750	5,750	-
CMAQ	-	-	-	-	-
De-Obligations	-	-	-	-	-
LESS Off-STIP Obligations	-	-	-	-	-
FFY 2021 Balance	-	-	-	-	-
<b>Total</b>	<b>179,674</b>	<b>118,383</b>	<b>298,057</b>	<b>298,057</b>	<b>-</b>

### **FHWA Financial Constraint – FFY 2022**

<b>Funding Category</b>	<b>Federal Funds Available for Oahu (x\$1000)</b>	<b>Local Funds (x\$1000)</b>	<b>Total Sources (x\$1000)</b>	<b>Total Funds Programmed (x\$1000)</b>	<b>Funds Balance (x\$1000)</b>
BUILD	-	-	-	-	-
Earmark HP	-	-	-	-	-
FLAP	-	-	-	-	-
HSIP	4,000	(3,900)	100	100	-
Locally Funded	-	50,420	50,420	50,420	-
NHPP	86,246	(27,450)	58,796	58,796	-
NATL REC TRAILS	287	72	359	359	-
OS BRIDGE	800	470	1,270	1,270	-
SRTS	-	-	-	-	-
STBG	10,805	7,209	18,014	18,014	-
TAP	-	-	-	-	-
TAP Urban	1,000	250	1,250	1,250	-
CMAQ	-	-	-	-	-
De-Obligations	-	-	-	-	-
LESS Off-STIP Obligations	-	-	-	-	-
FFY 2022 Balance	-	-	-	-	-
<b>Total</b>	<b>103,138</b>	<b>27,071</b>	<b>130,209</b>	<b>130,209</b>	<b>-</b>

### 7.3.2. FTA Financial Constraint

The FTA program is likewise financially constrained, as demonstrated in these financial constraint tables. The amount of FTA funds estimated to be available for projects on Oahu is determined through a cooperative agreement between OahuMPO, HDOT, DTS, and HART. Information on the revenues estimated to be available for the entire State of Hawaii is available in the HDOT's FFYs 2019-2022 STIP.

<b>FTA Fiscal Constraint - FFY 2019</b>					
	A	B	C	F	G
<b>FTA Section Funds</b>	<b>FTA Apportionments and Allocations - Current Year (x \$1000)</b>	<b>FTA Funds Carryover - Previous Years (x \$1000)</b>	<b>Total Available FTA Funds A+B=C (x \$1000)</b>	<b>Total FTA Funds Programmed (x \$1000)</b>	<b>FTA Funds Balance C-F=G (x \$1000)</b>
FTA §5307/§5340	30,138	-	30,138	22646	7,492
FTA §5307/§5340 (2018)	-	11,807	11,807	11482	325
FTA §5309 New Starts	-	-	-	0	-
FTA §5310	1,168	-	1,168	1168	-
FTA §5310 (2017)	-	593	593	593	-
FTA §5310 (2018)	-	721	721	721	-
FTA §5329	232	-	232	232	-
FTA §5337	1,650	-	1,650	0	1,650
FTA §5337 (2017)	-	113	113	113	-
FTA §5337 (2018)	-	1,090	1,090	1090	-
FTA §5339	3,671	-	3,671	1558	2,113
FTA §5339 (2017)	-	1,554	1,554	1554	-
FTA §5339 (2018)	-	4,108	4,108	4108	-
<b>Totals</b>	<b>36,859</b>	<b>19,986</b>	<b>56,845</b>	<b>45,265</b>	<b>11,580</b>

### FTA Fiscal Constraint - FFY 2020

	A	B	C	F	G
FTA Section Funds	FTA Apportionments and Allocations - Current Year (x \$1000)	FTA Funds Carryover - Previous Years (x \$1000)	Total Available FTA Funds A+B=C (x \$1000)	Total FTA Funds Programmed (x \$1000)	FTA Funds Balance C-F=G (x \$1000)
FTA §5307/§5340	31,067	-	31,067	31430	(363)
FTA §5307/§5340 (2018)	-	-	-	0	-
FTA §5307/§5340 (2019)	-	7,843	7,843	7512	331
FTA §5309 New Starts	-	-	-	0	-
FTA §5310	773	-	773	773	-
FTA §5310 (2017)	-	-	-	0	-
FTA §5310 (2018)	-	-	-	0	-
FTA §5310(2019)	-	477	477	0	477
FTA §5329	239	-	239	239	-
FTA §5337	961	-	961	961	-
FTA §5337 (2017)	-	-	-	0	-
FTA §5337 (2018)	-	-	-	0	-
FTA §5337 (2019)	-	1,650	1,650	1650	-
FTA §5339	4,280	-	4,280	4280	-
FTA §5339 (2017)	-	-	-	0	-
FTA §5339 (2018)	-	-	-	0	-
FTA §5339 (2019)	-	3,671	3,671	3671	-
Totals	37,320	13,641	50,961	50,516	445

### FTA Fiscal Constraint - FFY 2021

	A	B	C	F	G
FTA Section Funds	FTA Apportionments and Allocations - Current Year (x \$1000)	FTA Funds Carryover - Previous Years (x \$1000)	Total Available FTA Funds A+B=C (x \$1000)	Total FTA Funds Programmed (x \$1000)	FTA Funds Balance C-F=G (x \$1000)
FTA §5307/§5340	30,807	-	30,807	30,807	-
FTA §5307/§5340 (2018)	-	-	-	-	-
FTA §5307/§5340 (2019)	-	2,070	2,070	2,070	-
FTA §5307/§5340 (2020)	-	3,514	3,514	3,514	-
FTA §5309 New Starts	400,000	-	400,000	400,000	-
FTA §5310	806	-	806	806	-
FTA §5310 (2017)	-	-	-	-	-
FTA §5310 (2018)	-	-	-	-	-
FTA §5310(2020)	-	93	93	93	-
FTA §5329	246	-	246	246	-
FTA §5337	945	-	945	945	-
FTA §5337 (2017)	-	-	-	0	-
FTA §5337 (2018)	-	-	-	-	-
FTA §5337 (2019)	-	-	-	-	-
FTA §5337 SOGR (2020)	-	103	103	103	-
FTA §5339	3,607	-	3,607	3,607	-
FTA §5339 (c) Low-No Award	5,940	-	5,940	5,940	-
FTA §5339 (2017)	-	-	-	-	-
FTA §5339 (2018)	-	-	-	-	-
FTA §5339 (2019)	-	-	-	-	-
<b>Totals</b>	<b>442,351</b>	<b>5,780</b>	<b>448,131</b>	<b>448,131</b>	<b>-</b>



### FTA Fiscal Constraint - FFY 2022

	A	B	C	F	G
FTA Section Funds	FTA Apportionments and Allocations - Current Year (x \$1000)	FTA Funds Carryover - Previous Years (x \$1000)	Total Available FTA Funds A+B=C (x \$1000)	Total FTA Funds Programmed (x \$1000)	FTA Funds Balance C-F=G (x \$1000)
FTA §5307/§5340	31,085	-	31,085	31085	-
FTA §5307/§5340 (2018)	-	-	-	-	-
FTA §5307/§5340 (2019)	-	-	-	-	-
FTA §5307/§5340 (2020)	-	-	-	-	-
FTA §5309 New Starts	150,000	-	150,000	150000	-
FTA §5310	809	-	809	809	-
FTA §5310 (2017)	-	-	-	-	-
FTA §5310 (2018)	-	-	-	-	-
FTA §5310(2020)	-	-	-	-	-
FTA §5329	253	-	253	253	-
FTA §5337	1,480	-	1,480	1480	-
FTA §5337 (2017)	-	-	-	-	-
FTA §5337 (2018)	-	-	-	-	-
FTA §5337 (2019)	-	-	-	-	-
FTA §5337 SOGR (2020)	-	-	-	-	-
FTA §5339	3,078	-	3,078	3078	-
FTA §5339 (2017)	-	-	-	-	-
FTA §5339 (2018)	-	-	-	-	-
FTA §5339 (2019)	-	-	-	-	-
FTA §5339 (2020)	-	-	-	-	-
Totals	186,705	-	186,705	186,705	-

# 8 PERFORMANCE MANAGEMENT

## 8.1 TRANSPORTATION PERFORMANCE MEASURES

The Moving Ahead for Progress in the 21st Century Act (MAP-21) required the Secretary of Transportation to develop rules to establish a system to monitor and manage public transportation assets to improve safety and increase reliability and performance, and to establish performance measures. The Fixing America's Surface Transportation (FAST) Act reaffirmed this requirement. State DOTs and public transportation providers are required to establish performance targets for these performance measures; MPOs respond to the targets and report progress toward implementing or meeting the targets in their TIPs and long-range planning documents.

### 8.1.1 Safety

The Safety Performance Measures Final Rule added Part 490 to title 23 of the Code of Federal Regulations (23 CFR 490 Subpart B) to implement performance management requirements. The Final Rule established five performance measures as the five-year rolling averages for all public roads for:

1. Number of Fatalities: The total number of persons suffering fatal injuries in a motor vehicle crash during a calendar year.

2. Rate of Fatalities: The ratio of total number of fatalities to the number of vehicle miles traveled (VMT), in 100 million VMT, in a calendar year.

3. Number of Serious Injuries: The total number of persons suffering at least one serious injury (the Safety Final Rule includes a common national definition for serious injury) in a motor vehicle crash during a calendar year.

4. Rate of Serious Injuries: The ratio of total number of serious injuries to the number of vehicle miles traveled (VMT), in 100 million VMT, in a calendar year.

5. Number of Non-Motorized Fatalities and Non-Motorized Serious Injuries: The combined total number of non-motorized fatalities and non-motorized serious injuries involving a motor vehicle during a calendar year.

The HDOT established safety targets during its recent update to the Hawaii Strategic Highway Safety Plan (HSHSP) 2013-2018.

The update of the HSHSP formed the basis for the development of the HDOT safety performance targets for the calendar year 2018.

*Table 1. Safety Performance Targets*

Performance Measure	Target
Number of Fatalities (persons)	97.6
Fatality Rate (fatalities/100 million VMT)	0.946
Number of Serious Injuries (persons)	517.4
Serious Injury Rate (serious injuries/100 million VMT)	4.978
Number of Non-Motorized Fatalities and Serious Injuries (persons)	119.4

**Table 1. Safety Performance Targets**

At its November 28th, 2017 meeting, the OahuMPO Policy Board voted to direct OahuMPO staff to "agree to plan and program projects that support and contribute toward the accomplishment of the State's HSIP targets" and integrate the targets into OahuMPO's planning process.

TIP projects that invest in safety improvements are listed below.

**STATE OF HAWAII – FHWA FUNDED PROJECTS**

Project Number	Project Name	Estimated Total Project Cost
OS10	Shoulder and Guardrail Improvements, Various Locations	\$4,547,000
OS14	Interstate Route H1, Guardrail and Shoulder Improvements, Kapiolani Interchange to Ainakoa Avenue	\$12,500,00
OS20	Interstate Route H1, Safety Improvement, Beginning of H-1 (Palailai Interchange) to Waiawa Overpass	\$9,500,000
OS73	Likelike Highway (Route 63), Safety Improvements, Emmeline Place to Kahekili Highway	\$3,000,000
OS44	Moanalua Freeway (Route 78) and Interstate H-2, Guardrail and Shoulder Improvements	\$11,000,000

**CITY AND COUNTY OF HONOLULU - FHWA FUNDED PROJECTS**

Project Number	Project Name	Estimated Total Project Cost
OC1	Alapai Transportation Management Center [1]	\$97,813,000
OC8	Traffic Improvements at Various Locations	\$12,911,000

[1] The Alapai Transportation Management Center will focus on coordination of emergency services.

**8.1.2 Transit Asset Management**

On July 26, 2016, FTA published the Transit Asset Management (TAM) Final Rule. The purpose of the TAM Final Rule is to help achieve and maintain a state of good repair for the nation's public transportation assets. The following performance measures for State of Good Repair have been established by DTS in support of Transit Asset Management.

Performance Measure	Annual Target
<i>Percentage of revenue vehicles that have met or exceeded their useful life benchmark</i>	20%
Articulated bus	20%
Bus	20%
Cutaway bus	20%
Van	20%
<i>Percentage of service vehicles that have either met or exceeded their useful life benchmark</i>	30%
Automobiles	25%
Truck and other rubber tire vehicles	40%

Performance Measure	Annual Target
<i>Percentage of passenger and maintenance facilities rated below condition 3 on the condition scale</i>	10%
Passenger facilities	10%
Passenger parking facilities	10%
Maintenance facilities	10%
Administrative facilities	10%

At its November 28th, 2017 meeting, the OahuMPO Policy Board voted to direct OahuMPO staff to respond to the 2018 Transit Asset Management performance target statement to support DTS to “achieve and maintain a state of good repair for Oahu’s public transportation assets” and integrate the targets into OahuMPO’s planning process.

The following TIP projects involve the purchase or rehabilitation of aging transit vehicles, and fund preventative maintenance.

**CITY AND COUNTY OF HONOLULU – FHWA FUNDED PROJECTS**

<b>Project Number</b>	<b>Project Name</b>	<b>Estimated Total Project Cost</b>
OC13	Bus and Handi-Van Acquisition Program	\$86,244,000
OC20	Preventative Maintenance	\$105,000,000

# 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.



# APPENDIX B

## TITLE VI AND ENVIRONMENTAL JUSTICE ANALYSIS FOR FFYS 2019-2022 TIP REVISION #21

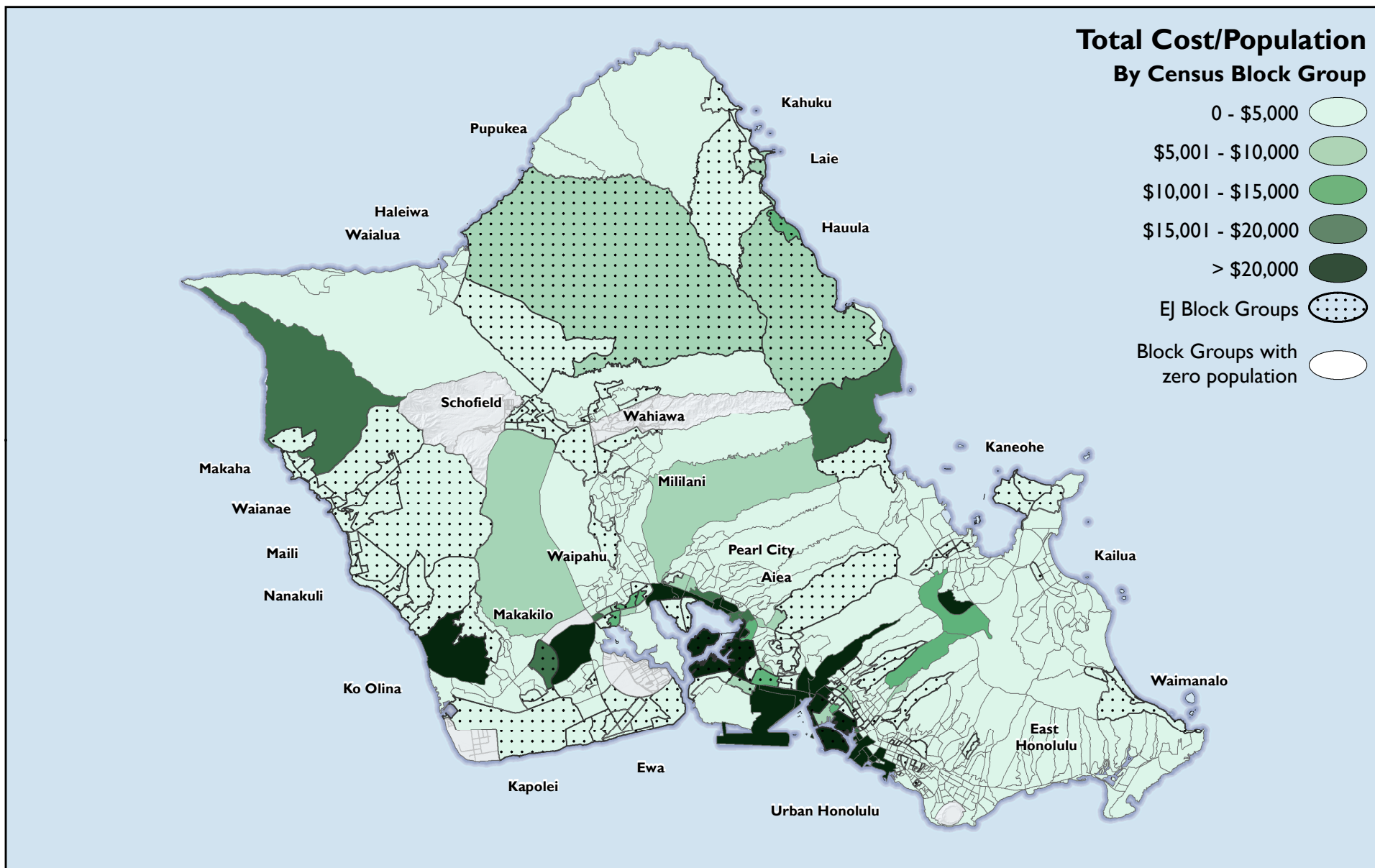
To evaluate the equity in spending of the FFYs 2019-2022 As of TIP Revision #21, OahuMPO analyzed planned investment in T6/EJ population areas. The analysis entailed determining the percent investment and average per capita investment by Census block group (BG) based on the list of projects included in the TIP. Block groups were determined based on racial minority and income.

	T6/EJ Block Groups	Non-T6/EJ Block Groups	% Difference (EJ / Non - EJ)	Total Difference (Non-EJ / EJ)
Average Investment by BG	5.1 M	3.3 M		
Total Cost of Projects	689.4 M	1499.3 M		
% Project Investment	31.5%	68.5%		
Total Population	289,321	663,886		
Average Per Capita Investment	\$2,383	\$2,258	6%	\$125

### NUMBER OF T6/EJ AND NON-T6/EJ BLOCK GROUPS (BG):

	# of BG	%
Total on Oahu	586	100
Non-T6/EJ BG	480	77
T6/EJ BG	135	23
EJ BG breakdown		
Based on race (minority)	105	
Based on low income	60	
Double counted (counted as both minority & low income)	-30	
Sum	135	

# Total Per Capita Spending - TIP 2019 - 2022 - As of Revision 21

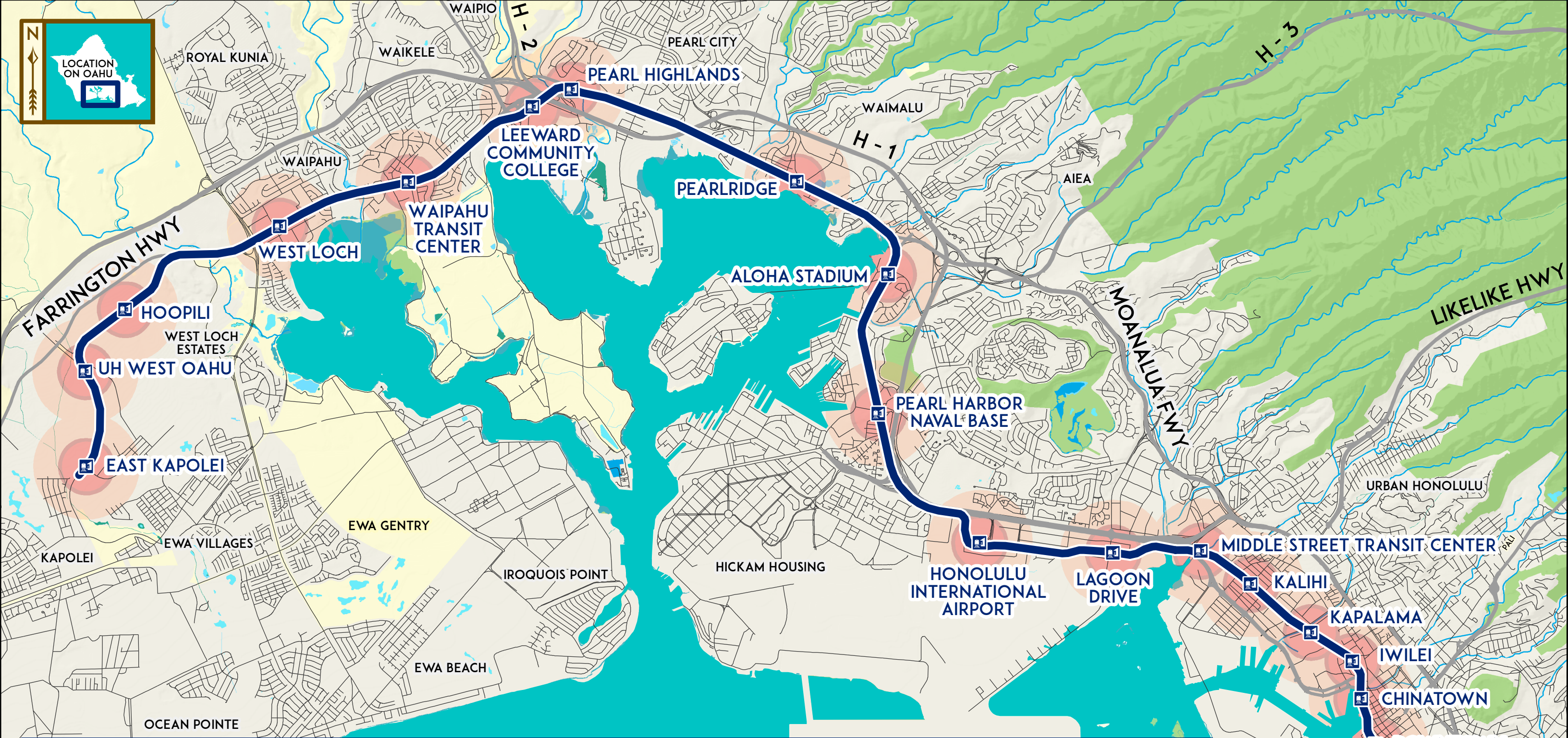
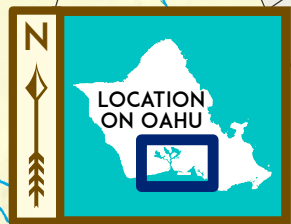


# APPENDIX C

## REGIONAL TRANSPORTATION ATLAS

Page	Title	Corresponding Project Numbers
C.1.	Honolulu Authority for Rapid Transportation (HART): Rail and Context	OC16 and OS68
C.2.	Na Ala Hele Trails on Oahu	OS49





## HONOLULU AUTHORITY FOR RAPID TRANSPORTATION (HART): HONOLULU RAIL AND CONTEXT

### LEGEND

#### RAIL AND TRANSIT-ORIENTED DEVELOPMENT (TOD) SYMBOLS

- GUIDEWAY
- TRANSIT STATIONS
- TOD NEAR STATION (0.25 MI.)
- TOD NEAR STATION (0.50 MI.)

#### GEOGRAPHIC CONTEXT

- AIEA CENSUS DESIGNATED PLACES (CDP)
- ARTERIAL ROADS
- STATE ROUTES (HIGHWAYS)
- OCEAN
- STREAMS

#### LAND USE DISTRICTING PER STATE OF HAWAII

- ZONED AGRICULTURAL
- ZONED CONSERVATION
- ZONED RURAL
- ZONED URBAN

#### WETLANDS SYMBOLOGY

- ESTUARINE AND MARINE WETLAND
- FRESHWATER EMERGENT WETLAND
- FRESHWATER FORESTED/SHRUB WETLAND
- FRESHWATER POND
- LAKE



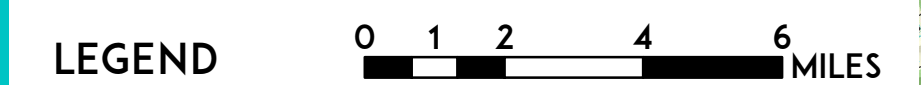
THIS MAP HAS A SCALE OF 1 TO 55,000. THIS IS INTENDED FOR ILLUSTRATIVE PURPOSES ONLY; ALL LOCATIONS ARE APPROXIMATE (2017).



## NA ALA HELE TRAILS ON OAHU







**LEGEND**

0 1 2 4 6 MILES



-  TRAILS
  -  OFF-ROAD VEHICLE AREAS
  -  CENSUS DESIGNATED PLACES (CDP)
  -  STATE ROUTES (HIGHWAYS)
  -  ARTERIAL ROADS
  -  STREAMS
- 

WATER-BODIES & WETLANDS 

-  OCEAN
  -  ESTUARINE AND MARINE
  -  FRESHWATER EMERGENT
  -  FRESHWATER FORESTED/SHRUB
  -  FRESHWATER POND
  -  LAKE

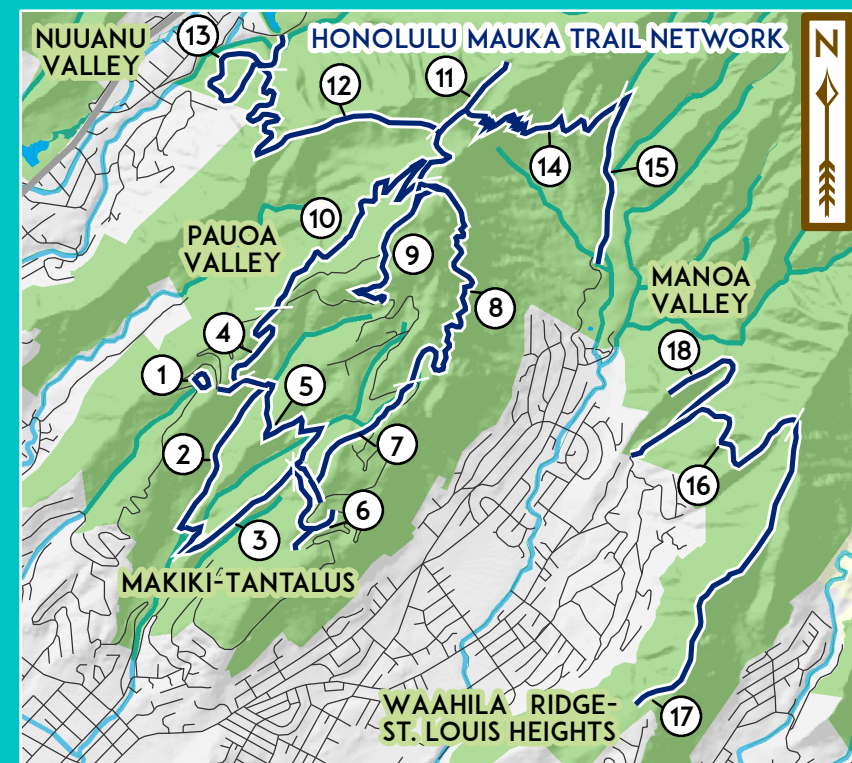
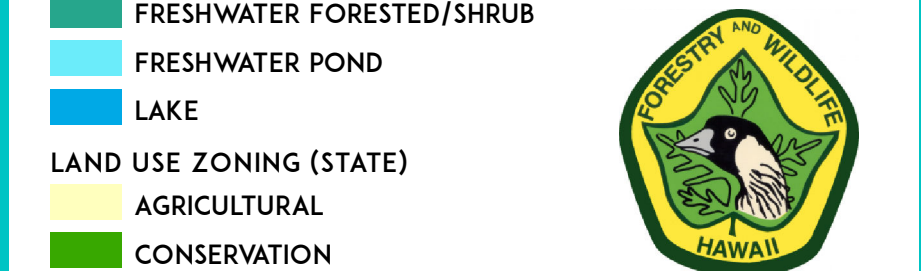
LAND USE ZONING (STATE)

-  AGRICULTURAL  
 CONSERVATION  
 URBAN

**1: 175,000 MAP SCALE. FOR ILLUSTRATION ONLY.**

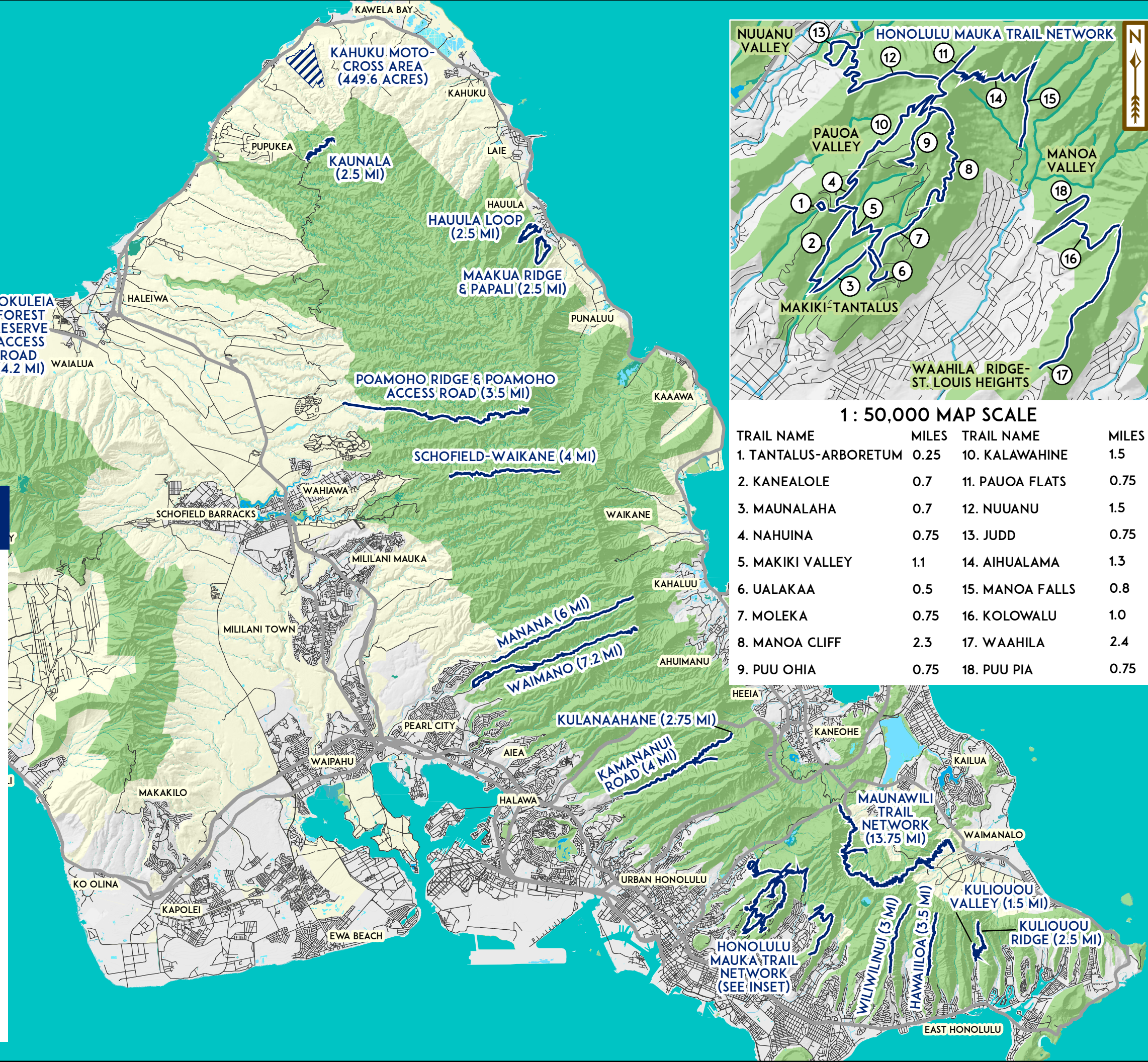


ESTUARINE AND MARINE  
FRESHWATER EMERGENT



**1 : 50,000 MAP SCALE**

TRAIL NAME	MILES	TRAIL NAME	MILES
1. TANTALUS-ARBORETUM	0.25	10. KALAWAHINE	1.5
2. KANEALOLE	0.7	11. PAUOA FLATS	0.75
3. MAUNALAHA	0.7	12. NUUANU	1.5
4. NAHUINA	0.75	13. JUDD	0.75
5. MAKIKI VALLEY	1.1	14. AIHUALAMA	1.3
6. UALAKAA	0.5	15. MANOA FALLS	0.8
7. MOLEKA	0.75	16. KOLOWALU	1.0
8. MANOA CLIFF	2.3	17. WAAHILA	2.4
9. PUU OHIA	0.75	18. PUU PIA	0.75





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.