

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL FISCAL YEARS 2019 – 2022



Oahu MPO

**DRAFT
REVISION 04**

PRE-APPROVED MODIFICATION

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL FISCAL YEARS 2019 - 2022

Revision 04

Pre-Approved Administrative Modification

June 2019



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

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Appendix A: Federal Planning Factors

1 ABBREVIATIONS

1.1 OVERALL INITIALISMS AND ACRONYMS

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

1.2 PROJECT LISTING ABBREVIATIONS

FHWA Funding Categories

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

FTA Funding Categories

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

Local Funding Category

| | |
|------------|----------------|
| Local Only | Locally Funded |
|------------|----------------|

Project Phases (Chronological Order)

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

2 PROJECTS MODIFIED IN REVISION 04

2.1 PROJECT LISTING

REVISION 04

Pre-Approved Administrative Modifications

This revision is a Pre-Approved Administrative Modification and is submitted directly to the Policy Board without prior review by the Technical Advisory Committee or solicitation of public comment. Refer to Chapter 4 of the TIP for additional details.

| PROJECT NUMBER | PROJECT NAME <i>(Sorted by Project Number)</i> | REVISION DETAILS | PAGE |
|---|--|--|------|
| Federal Highway Administration (FHWA) - Funded Projects | | | |
| Oahu State (OS) of Hawaii - Sponsored Projects | | | |
| OS29 | Kamehameha Highway (Route 83), Bridge Replacement, Kaluanui Stream Bridge | Request to defer and inflate all three project phases: ROW to FFY 2020; CON to FFY 2021; ADVCON to FFY 2022 (A.2). Awaiting completion of Section 106. | 13 |
| OS34 | Kamehameha Highway (Route 83), Bridge Replacement, Waiahole Bridge | Request to defer and inflate ROW to FFY 2020 and CON to FFY 2021, due to delays in NEPA clearance (A.2). | 14 |
| OS34 | Kamehameha Highway (Route 83), Bridge Replacement, Waiahole Bridge | Request to remove programmed funds for ADVCON in FFY 2021, adjust FFY 2022 programmed funds, and add funds in FFY 2023 (A.2). | 14 |
| OS36 | Kamehameha Highway (Route 83), Bridge Replacement, Waipilopilo Stream Bridge | Request to defer and inflate ROW to FFY 2020 and CON to FFY 2022. Section 106 not complete, cannot complete NEPA clearance (A.2). | 15 |
| OS36 | Kamehameha Highway (Route 83), Bridge Replacement, Waipilopilo Stream Bridge | Request to remove programmed funds for ADVCON in FFY 2022 (A.2). | 15 |
| OS41 | Kamehameha Highway (Route 83), Wetland Enhancement, Vicinity of Ukoa Pond | Request to defer and inflate CON to FFY 2020; ACOE mitigation measures still undetermined. Remove ADVCON programmed funds in FFY 2020 and 2021; will fully fund project in the first year (A.2). | 16 |
| OS52 | Sand Island Access Road (Route 64, Truck Weigh Station, Kapalama Container Terminal) | Request to defer and inflate CON to FFY 2022; building permit needed, cannot obligate in FFY 2019 (A.2) | 17 |
| OS57 | Freeway Management System, Joint Traffic Management Center Operations (State) | Request to remove programmed funds in FFY 2019 for OPR; JMTC not yet operational (A.2). | 18 |
| OS62 | Pali Highway (Route 61), resurfacing & Lighting Improvement, Vineyard Blvd (Route 98) to Kamehameha Highway (Route 83) | Request to increase Phase TWO in CON cost estimate in FFY 2019; matching design criteria in Phase ONE (A.11). | 19 |

| PROJECT NUMBER | PROJECT NAME <i>(Sorted by Project Number)</i> | REVISION DETAILS | PAGE |
|--|--|--|------|
| Federal Highway Administration (FHWA) - Funded Projects | | | |
| Oahu City (OC) and County of Honolulu - Sponsored Projects | | | |
| OC2 | Bikeway Improvements Program | Request to defer and inflate all Phases for Kailua-Lanikai Bike Path; ROW to FFY 2020, PE1 to FFY 2020, and PE2 to FFY 2021 (A.2). | 21 |
| OC3 | Bridge Inspection, Inventory, and Appraisal | Request to increase programmed local share for DES phase in all FFY's (A.11). | 22 |
| OC8 | Traffic Improvements at Various Locations | Request to defer and inflate all Phases for Kalaheo Avenue/Kailua Road; ROW to FFY 2020, CON to FFY 2020, and INSP to FFY 2020 (A.2). | 23 |
| OC8 | Traffic Improvements at Various Locations | Request to defer and inflate Mahoe and Waipahu Streets CON phase to FFY 2022 (A.2). | 23 |
| OC8 | Traffic Improvements at Various Locations | Request to defer and inflate all Phases for Kailua Road/Wanaao Road Intersection Improvements; PE1 to FFY 2020, PE2 to FFY 2021, and CON to FFY 2023 (A.2). | 23 |
| OC8 | Traffic Improvements at Various Locations | Request to defer and inflate Kalakaua Shared Use Crossing PE2 phase to FFY 2021 (A.2). | 23 |
| OC23 | Salt Lake Boulevard Widening, Phase 3 | Request to adjust all Phase amounts to better reflect estimated costs associated with the project; in both FFY 2020 and 2021. FFY 2019 amounts remained unchanged(A.11). | 25 |

| PROJECT NUMBER | PROJECT NAME <i>(Sorted by Project Number)</i> | REVISION DETAILS | PAGE |
|--|--|--|------|
| Federal Transit Administration (FTA) - Funded Projects | | | |
| Oahu City (OC) and County of Honolulu - Sponsored Projects | | | |
| OC13 | Bus and Handi-Van Acquisition Program | Request to revise the amounts programmed for FFY 2019 to reflect changes in cost estimates due to previous year carry-over (A.11). | 27 |
| OC16 | Honolulu Rail Transit Project | Request to defer and inflate New Starts H RTP programmed funds in FFY 2019 (A.2). | 30 |
| OC16 | Honolulu Rail Transit Project | Request to inflate FHWA to FTA Flex Funds: HDOT Highway Improvements (OS64) to better reflect cost estimates (A.11). | 30 |
| OC16 | Honolulu Rail Transit Project | Request to defer and inflate Phase 2 TAP MPO-HART Middle Loch Connector (CON) to FFY 2020 (A.2). | 30 |
| OC16 | Honolulu Rail Transit Project | Request to defer Phase 1 TAP State-HART Chinatown Bike Facility (FHWA to FTA Flexed Funds) (PE2/CON) to FFY 2020 (A.2). | 30 |
| OC21 | Transit Safety and Security Projects | Request to increase Federal funds on EQP phase in FFY 2019 to reflect changes in cost estimates (A.11). | 32 |

NUMBER OF PROJECTS BEING REVISED IN REVISION #2:

14

PERCENTAGE OF TOTAL TIP PROJECTS REVISED IN REVISION #2:

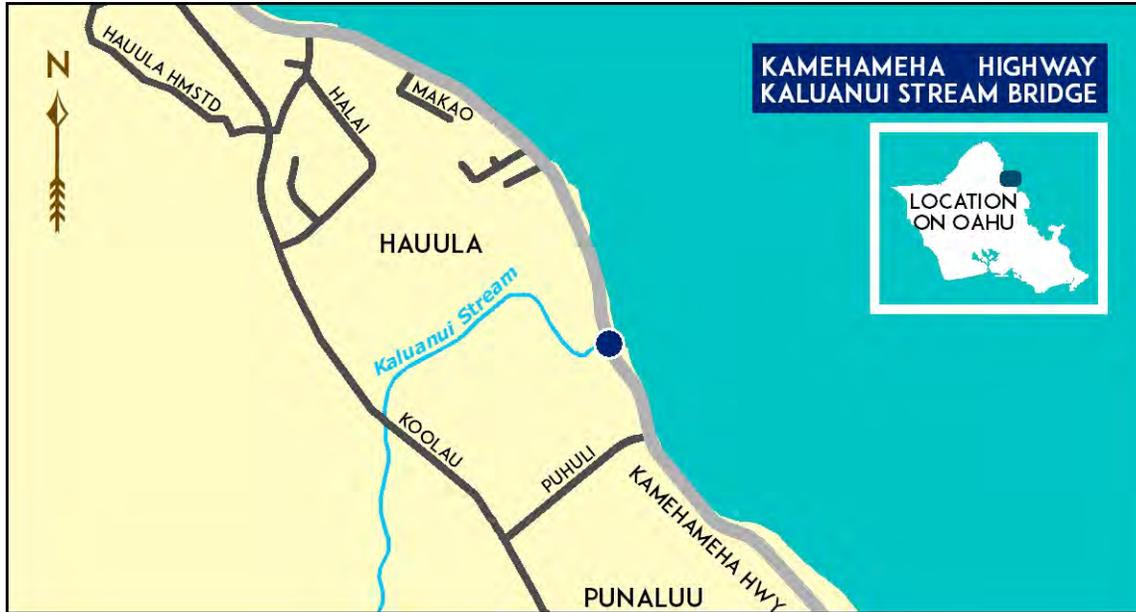
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2.2 Project Information Sheets

2.2.1 Oahu State (OS) Projects

2.2.1.1 FHWA-Funded Oahu State Projects

OS29 Kamehameha Highway (Route 83), Bridge Replacement, Kaluanui Stream Bridge



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.)

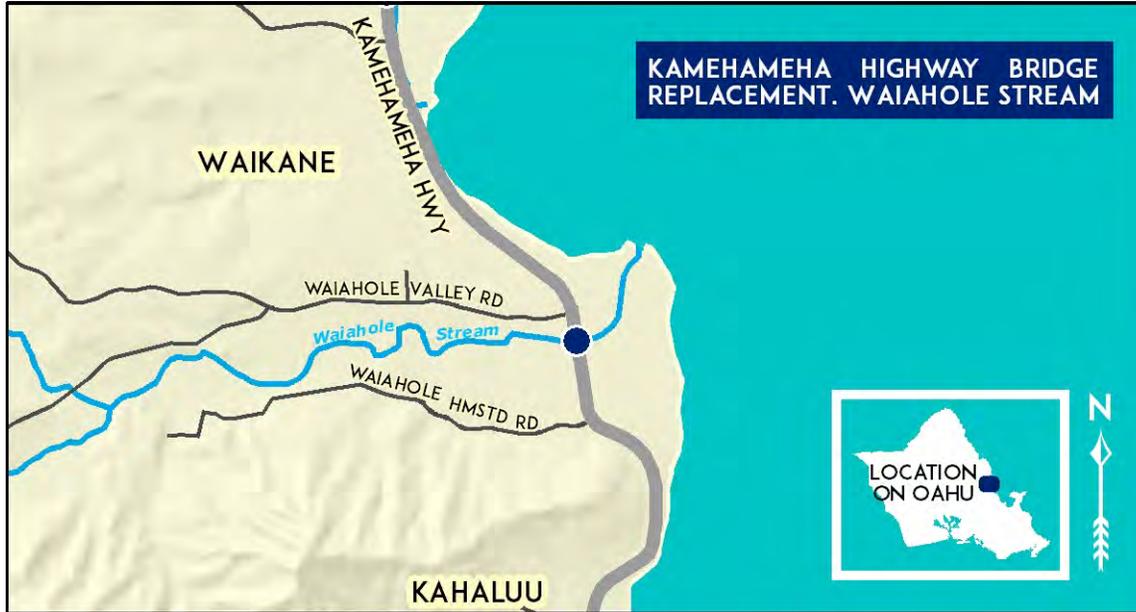
Project Sponsor: State of Hawaii (FHWA Funded)

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

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

| Phase | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category |
|--------------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|
| | FFY 2019 | | | FFY 2020 | | | FFY 2021 | | | FFY 2022 | | | FFY 2023 | | | FFY 2024 | | | |
| | Total (X\$1000) | 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 | 5,520 | 3,880 | 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 |
| TOTAL | 0 | 0 | 0 | 677 | 542 | 135 | 9,400 | 5,520 | 3,880 | 0 | 2,000 | (2,000) | 0 | 0 | 0 | 0 | 0 | 0 | |

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

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

| Phase | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category |
|--------------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|
| | FFY 2019 | | | FFY 2020 | | | FFY 2021 | | | FFY 2022 | | | FFY 2023 | | | FFY 2024 | | | |
| | Total (X\$1000) | 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 | 600 | 480 | 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NHPP |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 15,150 | 2,120 | 13,030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NHPP |
| ADVCON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,000 | (5,000) | 0 | 5,000 | (5,000) | 0 | 0 | 0 | NHPP |
| TOTAL | 0 | 0 | 0 | 600 | 480 | 120 | 15,150 | 2,120 | 13,030 | 0 | 5,000 | (5,000) | 0 | 5,000 | (5,000) | 0 | 0 | 0 | |

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



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

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

| Phase | | | | | | | | | | | | | FOR INFORMATION ONLY | | | | | | Funding Category |
|--------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|
| | FFY 2019 | | | FFY 2020 | | | FFY 2021 | | | FFY 2022 | | | FFY 2023 | | | FFY 2024 | | | |
| | Total (X\$1000) | 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 | 1,040 | 832 | 208 | 0 | 0 | 0 | 0 | 0 | 0 | 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 |
| TOTAL | 0 | 0 | 0 | 1,040 | 832 | 208 | 0 | 0 | 0 | 9,800 | 5,840 | 3,960 | 0 | 2,000 | (2,000) | 0 | 0 | 0 | |

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



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

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

| Phase | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category |
|--------------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|
| | FFY 2019 | | | FFY 2020 | | | FFY 2021 | | | FFY 2022 | | | FFY 2023 | | | FFY 2024 | | | |
| | Total (X\$1000) | 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 | 6,700 | 5,360 | 1,340 | 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 | 6,700 | 5,360 | 1,340 | 0 | 0 | 0 | |

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



Project Description:

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: \$9,000,000

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

Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:

Hawaii Department of Transportation

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

| Phase | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category | |
|--------------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|------|
| | FFY 2019 | | | FFY 2020 | | | FFY 2021 | | | FFY 2022 | | | FFY 2023 | | | FFY 2024 | | | | |
| | Total (X\$1000) | 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 | 5,310 | 4,248 | 1,062 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NHPP |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 5,310 | 4,248 | 1,062 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

OS57 Freeway Management System, Joint Traffic Management Center Operations (State)



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.)

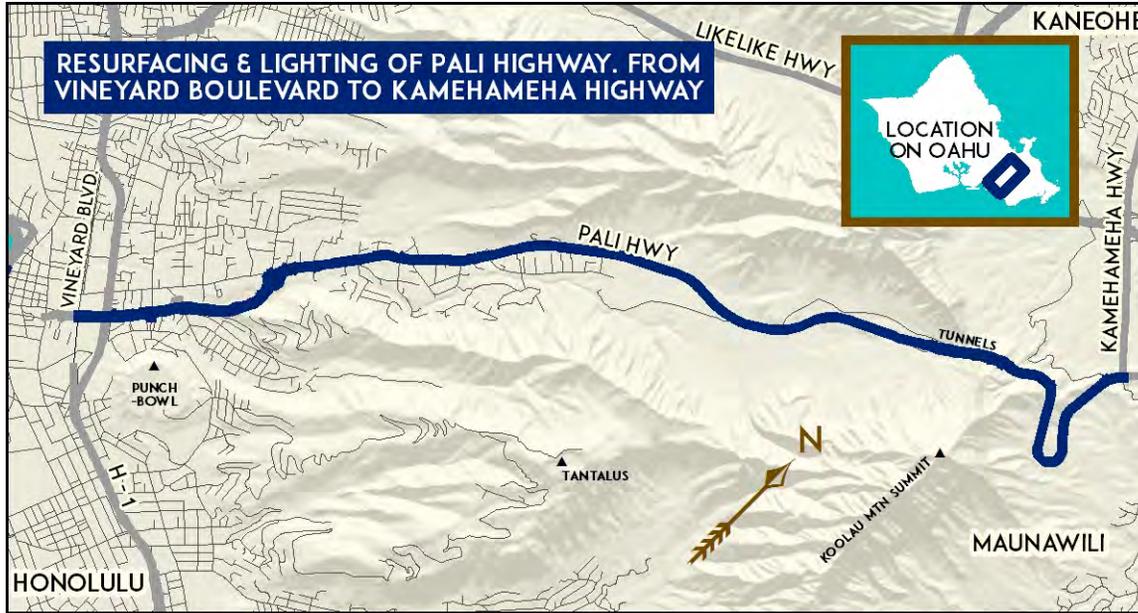
Project Sponsor: State of Hawaii (FHWA Funded)

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

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

| Phase | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category |
|--------------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|
| | FFY 2019 | | | FFY 2020 | | | FFY 2021 | | | FFY 2022 | | | FFY 2023 | | | FFY 2024 | | | |
| | Total (X\$1000) | 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 | |

OS62 Pali Highway (Route 61) Resurfacing & Lighting Improvements, Vineyard Boulevard (Route 98) to Kamehameha Highway (Route 83)



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: \$106,000,000

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

Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:

Hawaii Department of Transportation

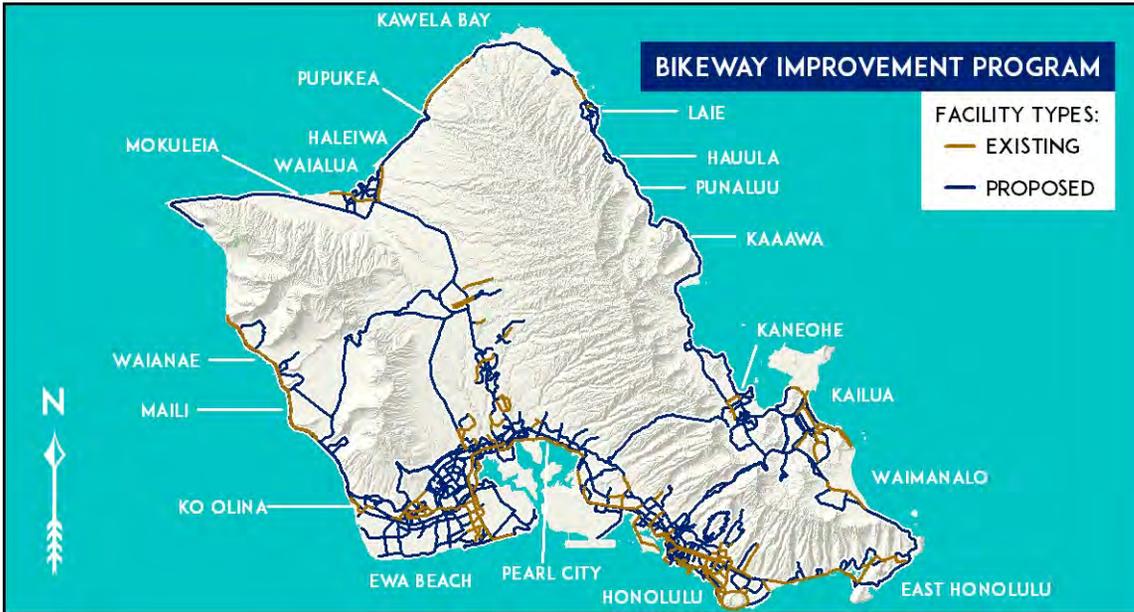
All values are in thousands of U.S. dollars (x1000)

| Phase | FFY 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) | |
| FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | | |
| <i>Phase 1 - Lighting Vineyard Boulevard to Kamehameha Highway & Resurfacing Waokanaka Street to Kamehameha Highway</i> | | | | | | | | | | | | | | | | | | | |
| ADVCON | 0 | 11,000 | (11,000) | 0 | 10,000 | (10,000) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NHPP |
| <i>Phase 2 - Resurfacing, Vineyard Boulevard to Waokanaka Street</i> | | | | | | | | | | | | | | | | | | | |
| CON | 28,000 | 9,400 | 18,600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NHPP |
| ADVCON | 0 | 0 | 0 | 0 | 6,000 | (6,000) | 0 | 7,000 | (7,000) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NHPP |
| TOTAL | 28,000 | 20,400 | 7,600 | 0 | 16,000 | (16,000) | 0 | 7,000 | (7,000) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

2.2.2 Oahu City (OC) Projects

2.2.2.1 FHWA-Funded Oahu City Projects

OC2 Bikeway Improvements Program



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 the 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:

www.honolulu.gov/bicycle/bicyclefacilities/oahu-bike-plan.html

Neighborhood(s): Islandwide

Estimated Total Project Cost: \$1,036,000

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

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

Agency Responsible for Carrying Out Project/Phase:

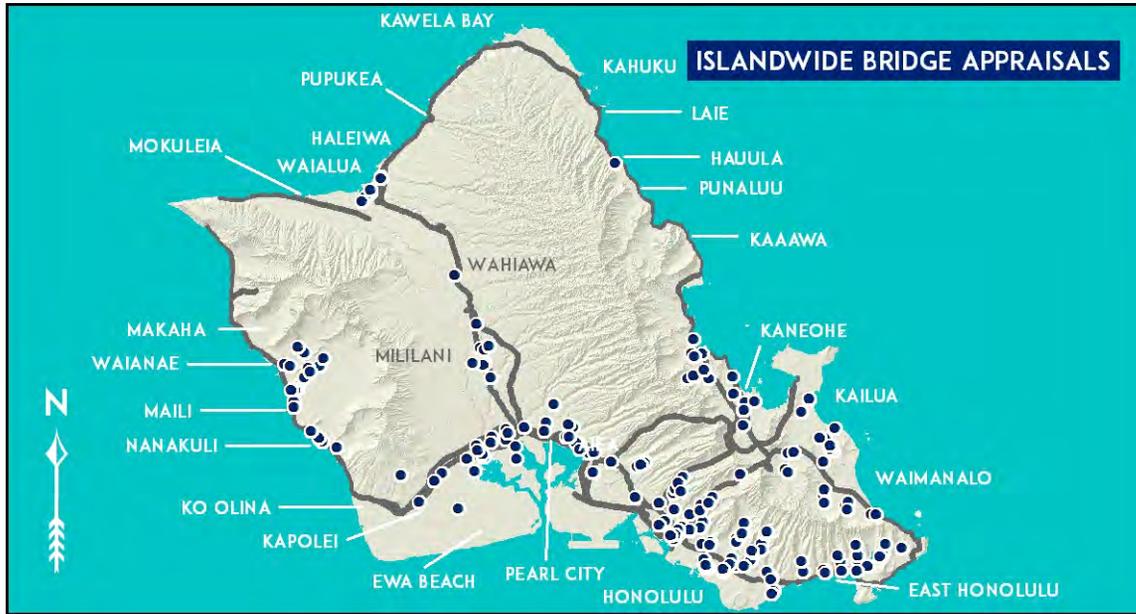
City Department of Transportation Services

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

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>Kailua-Lanikai Bike Path</i> | | | | | | | | | | | | | | | | | | | |
| ROW | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP FLEX |
| PE1 | 0 | 0 | 0 | 306 | 245 | 61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP FLEX |
| PE2 | 0 | 0 | 0 | 0 | 0 | 0 | 128 | 102 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP FLEX |
| <i>Waipahu Depot Shared Use Path</i> | | | | | | | | | | | | | | | | | | | |
| ROW | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP FLEX |
| 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 | 100 | 80 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | STP FLEX |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,500 | 1,200 | 300 | 0 | 0 | 0 | STP FLEX |
| <i>TBD - DES 2021</i> | | | | | | | | | | | | | | | | | | | |
| PE1 | 0 | 0 | 0 | 0 | 0 | 0 | 300 | 240 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP FLEX |
| TOTAL | 0 | 0 | 0 | 508 | 405 | 103 | 428 | 342 | 86 | 100 | 80 | 20 | 1,500 | 1,200 | 300 | 0 | 0 | 0 | |

OC3 Bridge Inspection, Inventory, and Appraisal



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 (FHWA Funded)

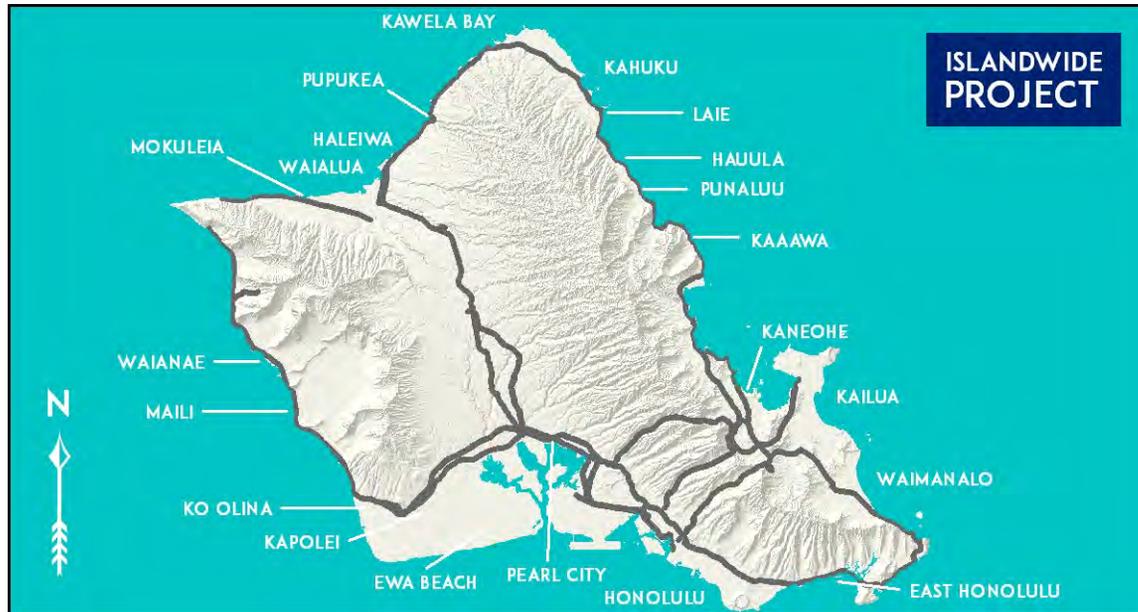
Agency Responsible for Carrying Out Project/Phase:

City Department of Design and Construction

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

| Phase | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category |
|--------------|----------------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|-----------------|-------------------|-----------------|------------------|
| | FFY 2019 | | | FFY 2020 | | | FFY 2021 | | | FFY 2022 | | | FFY 2023 | | | FFY 2024 | | | |
| | Total (X\$1000) | 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 | |

OC8 Traffic Improvements at Various Locations



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:

Mahoe/Waipahu, Manager's Drive/Hiapo, Kaillua/Waanao: new or wider sidewalks, planting strips, raised medians or refuge islands, roundabouts or mini-circles, and traffic calming features. Kalakaua Avenue: Shared-use paths of 10 feet or greater width, curb extension, new or wider sidewalks, pedestrian signals, such as audible or vibrotactile indicators, planting strips, raised medians or refuge islands and traffic calming features.

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$15,340,000

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

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

Agency Responsible for Carrying Out Project/Phase:

City Department of Transportation Services

OC8 Traffic Improvements at Various Locations

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

| Phase | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category |
|---|-----------------------------|----------------------|--------------------|--------------------|----------------------|--------------------|--------------------|----------------------|--------------------|--------------------|----------------------|--------------------|--------------------|----------------------|--------------------|--------------------|----------------------|--------------------|------------------|
| | FFY 2019 | | | FFY 2020 | | | FFY 2021 | | | FFY 2022 | | | FFY 2023 | | | FFY 2024 | | | |
| | Total (X\$1000) | 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>Kalaheo Avenue/Kailua Road</i> | | | | | | | | | | | | | | | | | | | |
| 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 |
| <i>Mahoe and Waipahu Streets</i> | | | | | | | | | | | | | | | | | | | |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,500 | 2,800 | 700 | 0 | 0 | 0 | 0 | 0 | 0 | STP FLEX |
| <i>Kailua Road/Wanaao Road Intersection Improvements</i> | | | | | | | | | | | | | | | | | | | |
| PE1 | 0 | 0 | 0 | 306 | 245 | 61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP FLEX |
| PE2 | 0 | 0 | 0 | 0 | 0 | 0 | 128 | 102 | 26 | 0 | 0 | 0 | 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 |
| <i>Kalakaua Shared Use Crossing</i> | | | | | | | | | | | | | | | | | | | |
| 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 | 128 | 102 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP FLEX |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,250 | 1,000 | 250 | 0 | 0 | 0 | 0 | 0 | 0 | STP FLEX |
| <i>Manager's Drive/Hiapo Street Intersection Improvements</i> | | | | | | | | | | | | | | | | | | | |
| PE1 | 0 | 0 | 0 | 400 | 320 | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP FLEX |
| PE2 | 0 | 0 | 0 | 0 | 0 | 0 | 125 | 100 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP FLEX |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,500 | 2,000 | 500 | 0 | 0 | 0 | STP FLEX |
| <i>TBD - DES 2021</i> | | | | | | | | | | | | | | | | | | | |
| PE1 | 0 | 0 | 0 | 0 | 0 | 0 | 400 | 320 | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP FLEX |
| PE2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | STP FLEX |
| CON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,250 | 1,000 | 250 | STP FLEX |
| TOTAL | 200 | 160 | 40 | 8,832 | 7,066 | 1,766 | 781 | 624 | 157 | 4,750 | 3,800 | 950 | 3,775 | 3,020 | 755 | 1,250 | 1,000 | 250 | |

2.2.2 Oahu City (OC) Projects

2.2.2.2 FTA-Funded Oahu City Projects

OC13 Bus and Handi-Van Acquisition Program



Project Description:

Purchase replacement transit buses and Handi-Van vehicles.

By FFY:

2019: 30 < 30' buses + 10 - 40' buses + 19 - 60' buses

2020: 30 < 30' vehicles + 10 - 40' buses + 10 - 60' buses

2021: 30 < 30' buses + 10 - 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: \$127,833,000

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

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

Agency Responsible for Carrying Out Project/Phase:

City Department of Transportation Services

OC13 Bus and Handi-Van Acquisition Program

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

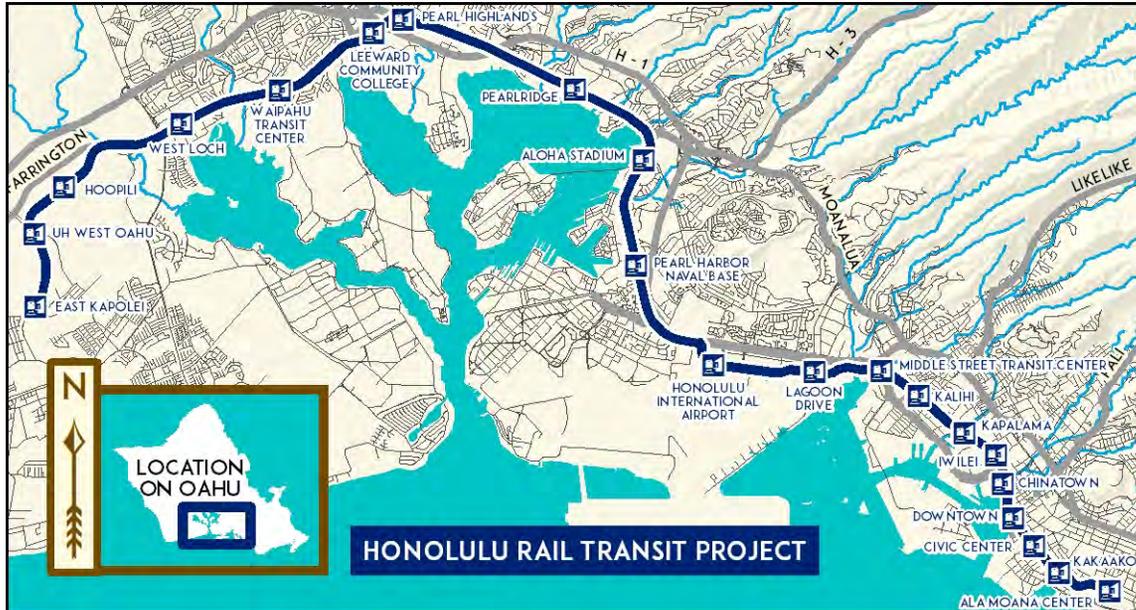
| Phase | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category | |
|---|----------------------|----------------------|--------------------|--------------------|----------------------|--------------------|--------------------|----------------------|--------------------|--------------------|----------------------|--------------------|--------------------|----------------------|--------------------|--------------------|----------------------|--------------------|------------------|---------------|
| | FFY 2019 | | | FFY 2020 | | | FFY 2021 | | | FFY 2022 | | | FFY 2023 | | | FFY 2024 | | | | |
| | Total (X\$1000) | 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>2019: 30 <30' buses + 10 - 40' buses + 19 - 60' buses</i> | | | | | | | | | | | | | | | | | | | | |
| EQP | 24,966 | 19,972 | 4,994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$5307/\$5340 |
| EQP | 3,567 | 2,853 | 714 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$5337 |
| EQP | 12,972 | 10,378 | 2,594 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$5339 |
| EQP | 2,558 | 2,047 | 511 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$5310 |
| INSP | 49 | 39 | 10 | 49 | 39 | 10 | 49 | 39 | 10 | 49 | 39 | 10 | 49 | 39 | 10 | 49 | 39 | 10 | 49 | \$5307/\$5340 |
| DES | 642 | 513 | 129 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$5339 |
| <i>2020: 30 <30' buses + 10 - 40' buses + 10 - 60' buses</i> | | | | | | | | | | | | | | | | | | | | |
| EQP | 0 | 0 | 0 | 9,678 | 7,742 | 1,936 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$5307/\$5340 |
| EQP | 0 | 0 | 0 | 3,698 | 2,958 | 740 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$5339 |
| EQP | 0 | 0 | 0 | 392 | 314 | 78 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$5310 |
| EQP | 0 | 0 | 0 | 2,142 | 1,713 | 429 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$5337 |
| <i>2021: 30 <30' buses + 10 - 40' buses + 10 - 60' buses</i> | | | | | | | | | | | | | | | | | | | | |
| EQP | 0 | 0 | 0 | 0 | 0 | 0 | 15,630 | 8,232 | 7,398 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$5307/\$5340 |
| EQP | 0 | 0 | 0 | 0 | 0 | 0 | 1,814 | 1,451 | 363 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$5337 |
| EQP | 0 | 0 | 0 | 0 | 0 | 0 | 3,772 | 3,018 | 754 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$5339 |
| EQP | 0 | 0 | 0 | 0 | 0 | 0 | 402 | 321 | 81 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$5310 |
| <i>2022: 30 <30' buses + 10 - 40' buses + 10 - 60' buses</i> | | | | | | | | | | | | | | | | | | | | |
| EQP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16,364 | 8,818 | 7,546 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$5307/\$5340 |
| EQP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,850 | 1,480 | 370 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$5337 |
| EQP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,848 | 3,078 | 770 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$5339 |
| EQP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 417 | 334 | 83 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$5310 |

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) | |
| <i>2023: TBD</i> | | | | | | | | | | | | | | | | | | | |
| 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 | 1,888 | 1,510 | 378 | 0 | 0 | 0 | §5337 |
| 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 | 426 | 341 | 85 | 0 | 0 | 0 | §5310 |
| <i>2024: TBD</i> | | | | | | | | | | | | | | | | | | | |
| 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 | 1,925 | 1,540 | 385 | §5337 |
| EQP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,003 | 3,202 | 801 | §5339 |
| EQP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 434 | 347 | 87 | §5310 |
| TOTAL | 44,754 | 35,802 | 8,952 | 15,959 | 12,766 | 3,193 | 21,667 | 13,061 | 8,606 | 22,528 | 13,749 | 8,779 | 22,979 | 14,024 | 8,955 | 23,436 | 14,302 | 9,134 | |

OC16 Honolulu Rail Transit Project



Project Description:

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

Total estimate project cost: \$8,165,000,000

Mile Post/s: Not applicable

Complete Streets (CS):

Project will implement: Not applicable

Existing Feature/s: Not applicable

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

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

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 (FTA Funded)

Agency Responsible for Carrying Out Project/Phase:

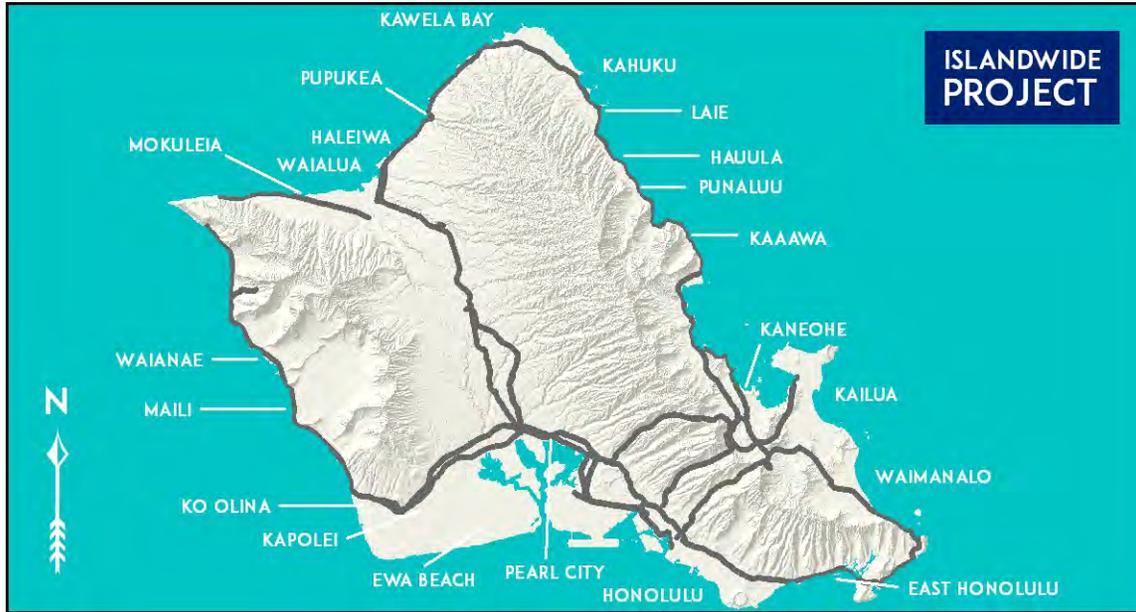
Honolulu Authority for Rapid Transportation

OC16 Honolulu Rail Transit Project

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

| Phase | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category |
|--|----------------------|----------------------|--------------------|--------------------|----------------------|--------------------|--------------------|----------------------|--------------------|--------------------|----------------------|--------------------|--------------------|----------------------|--------------------|--------------------|----------------------|--------------------|------------------|
| | FFY 2019 | | | FFY 2020 | | | FFY 2021 | | | FFY 2022 | | | FFY 2023 | | | FFY 2024 | | | |
| | Total (X\$1000) | 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>§5309 New Starts</i> | | | | | | | | | | | | | | | | | | | |
| H RTP | 0 | 0 | 0 | 781,250 | 250,000 | 531,250 | 468,750 | 150,000 | 318,750 | 468,750 | 150,000 | 318,750 | 312,500 | 100,000 | 212,500 | 156,250 | 50,000 | 106,250 | §5309 |
| <i>FHWA to FTA Flex Funds: HDOT Highway Improvements (OS64)</i> | | | | | | | | | | | | | | | | | | | |
| H RTP | 6,250 | 5,000 | 1,250 | 37,730 | 30,180 | 7,550 | 7,840 | 6,270 | 1,570 | 6,620 | 5,290 | 1,330 | 0 | 0 | 0 | 1,340 | 1,070 | 270 | §5307/§5340 |
| <i>FHWA to FTA Flex Funds: Transportation Alternatives Program (OC25 and OC26)</i> | | | | | | | | | | | | | | | | | | | |
| <i>Phase 1 TAP MPO - HART Secure Bike Storage Units</i> | | | | | | | | | | | | | | | | | | | |
| CON | 0 | 0 | 0 | 500 | 400 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | §5307/§5340 |
| <i>Phase 2 TAP MPO - HART Middle Loch Connector</i> | | | | | | | | | | | | | | | | | | | |
| CON | 250 | 200 | 50 | 250 | 200 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | §5307/§5340 |
| <i>Phase 1 TAP State - HART Chinatown Bike Facility (FHWA to FTA Flexed Funds)</i> | | | | | | | | | | | | | | | | | | | |
| PE2/CON | 0 | 0 | 0 | 250 | 200 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | §5307/§5340 |
| TOTAL | 6,500 | 5,200 | 1,300 | 819,980 | 280,980 | 539,000 | 476,590 | 156,270 | 320,320 | 475,370 | 155,290 | 320,080 | 312,500 | 100,000 | 212,500 | 157,590 | 51,070 | 106,520 | |

OC21 Transit Safety and Security Projects



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:

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$1,480,000

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

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

Agency Responsible for Carrying Out Project/Phase:

City Department of Transportation Services

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

| Phase | FOR INFORMATION ONLY | | | | | | | | | | | | | | | | | | Funding Category |
|--------------|----------------------|------------|-----------|------------|------------|-----------|------------|------------|-----------|------------|------------|-----------|------------|------------|-----------|------------|------------|-----------|------------------|
| | FFY 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) | (X\$1000) | (X\$1000) |
| PLN | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | LOCAL |
| DES | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | LOCAL |
| CON | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | LOCAL |
| EQP | 377 | 304 | 73 | 364 | 291 | 73 | 370 | 296 | 74 | 377 | 301 | 76 | 378 | 302 | 76 | 382 | 305 | 77 | \$5307/\$5340 |
| TOTAL | 380 | 304 | 76 | 367 | 291 | 76 | 373 | 296 | 77 | 380 | 301 | 79 | 381 | 302 | 79 | 385 | 305 | 80 | |

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.

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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.