

TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL FISCAL YEARS 2022–2025

As of Revision 13

April 2023



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ABBREVIATIONS

Acronyms

ADA	Americans with Disabilities Act
CAC	Citizen Advisory Committee
CFR	Code of Federal Regulations
CMP	Congestion Management Process
DDC	City and County of Honolulu Department of Design and Construction
DTS	City and County of Honolulu Department of Transportation Services
EJ	Environmental Justice
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
FFY	Federal Fiscal Year (October 1- September 30)
HART	Honolulu Authority for Rapid Transportation
HDOT	Hawaii Department of Transportation
HSIP	Highway Safety Improvement Program
IGR	Intergovernmental Review
OahuMPO	Oahu Metropolitan Planning Organization
OCCSR	City and County of Honolulu Office of Climate Change, Sustainability and Resiliency
ORTP	Oahu Regional Transportation Plan
STIP	Statewide Transportation Improvement Program
TAC	Technical Advisory Committee
TAM	Transit Asset Management
TAX	Transit Accommodation Tax
TIP	Transportation Improvement Program
T6	Title VI of the Civil Rights Act of 1964
U.S.C.	United States Code
VMT	Vehicle Miles Traveled
VRM	Vehicle Revenue Miles

Funding Categories

Federal Highway Administration (FHWA)

Bridge OS	Bridge Off-System
Earmark	Earmark
FHWA Grant	FHWA Competitive Grants
FLAP	Federal Lands Highway Discretionary
HIP-BFP	Highway Infrastructure Program - Bridge Formula Program
HIP-CPF/CDS	Highway Infrastructure Program - Community Project Funding / Congressionally Directed Spending
HSIP	Highway Safety Improvement Program
NHPP	National Highway Performance Program
RHCP	Railway Highway Crossing Program
STBG	Surface Transportation Block Grant Program
STP Enhance	Surface Transportation Program Enhancement
TA	Transportation Alternatives Set-Aside

Federal Transit Administration (FTA)

§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
FTA Grant	FTA Competitive Grants

Local

Local	Local Funding Sources
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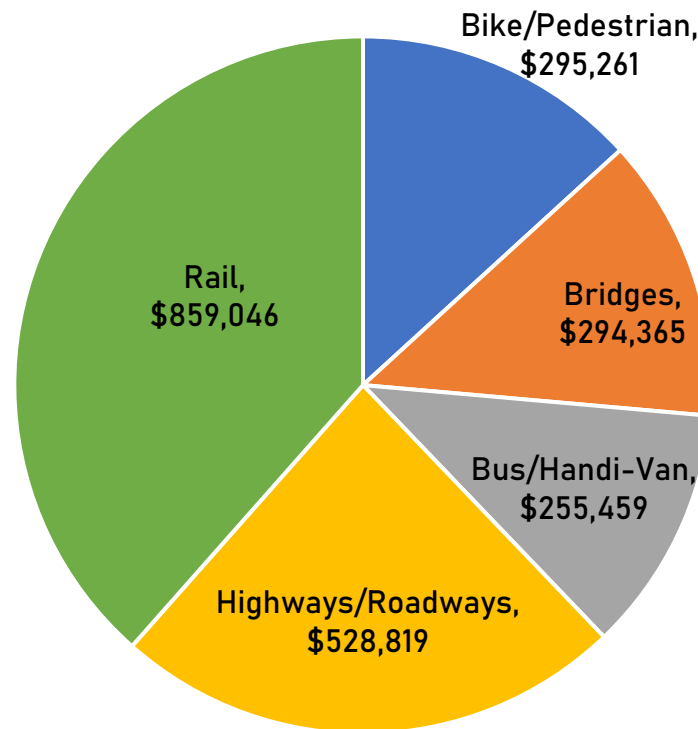
Project Phases

H RTP	Honolulu Rail Transit Project
PLN	Planning
PE1	Preliminary Engineering – Part 1: Environmental Clearances and Design Work
PE2	Preliminary Engineering – Part 2: Final Design
DES	Design
PREROW	Preliminary Right-of-Way Activities
ROW	Right-of-Way Acquisition
PE2/CON	Final Design-Build
DES/CON	Design-Build
ADVCON	Advance Construction
CON	Construction
EQP	Equipment acquisition
REL	Relocation expenses
OPR	Operation expenses
INSP	Inspection

EXECUTIVE SUMMARY

FFYs 2022-2025 Total Programmed Funds by Project Type (x1000)

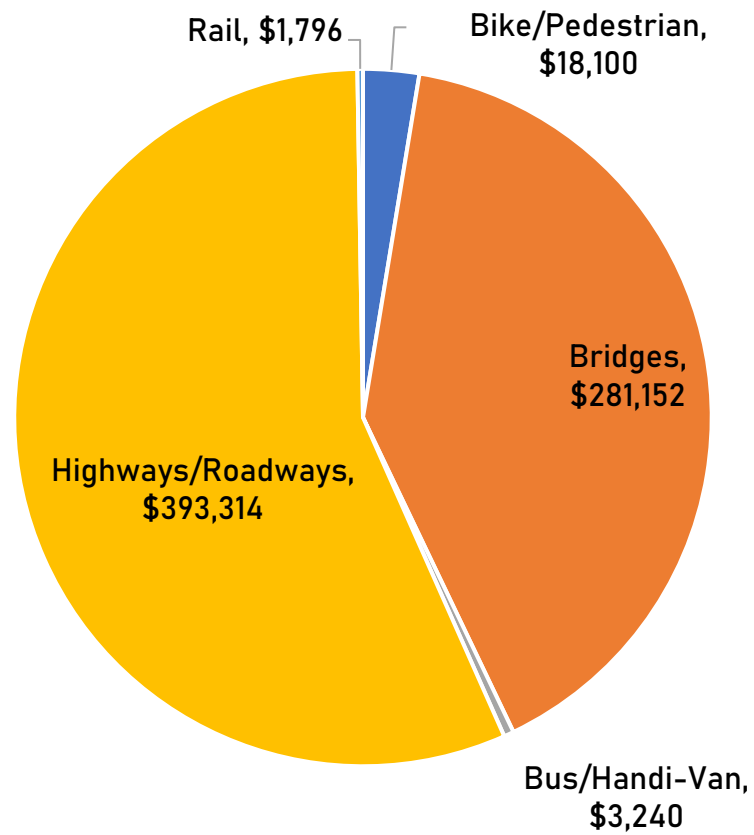
91 Projects: \$2,232,950



FFYs 2022-2025 Total Programmed Funds by Agency and Project Type (x1000)

Hawaii Department of Transportation (HDOT)

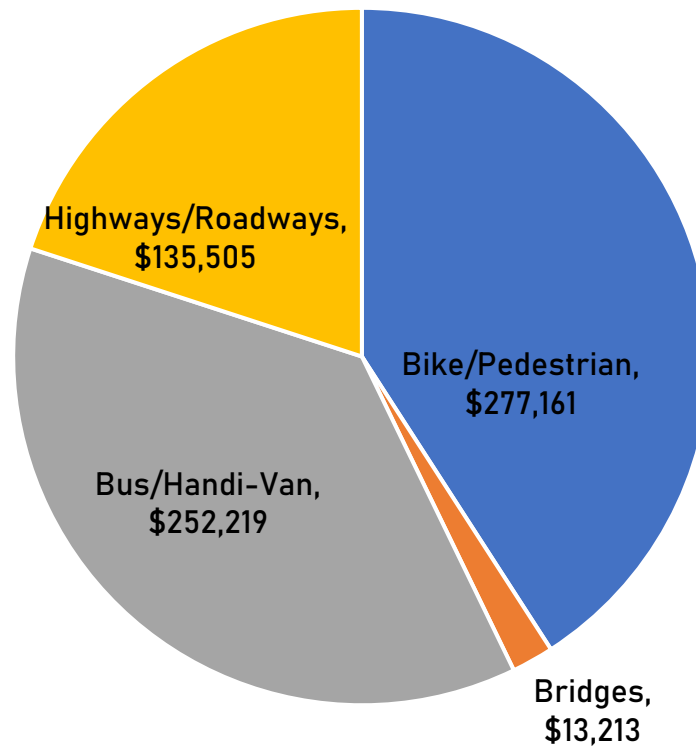
60 Projects: \$697,602



FFYs 2022-2025 Total Programmed Funds by Agency and Project Type (x1000)

City and County of Honolulu

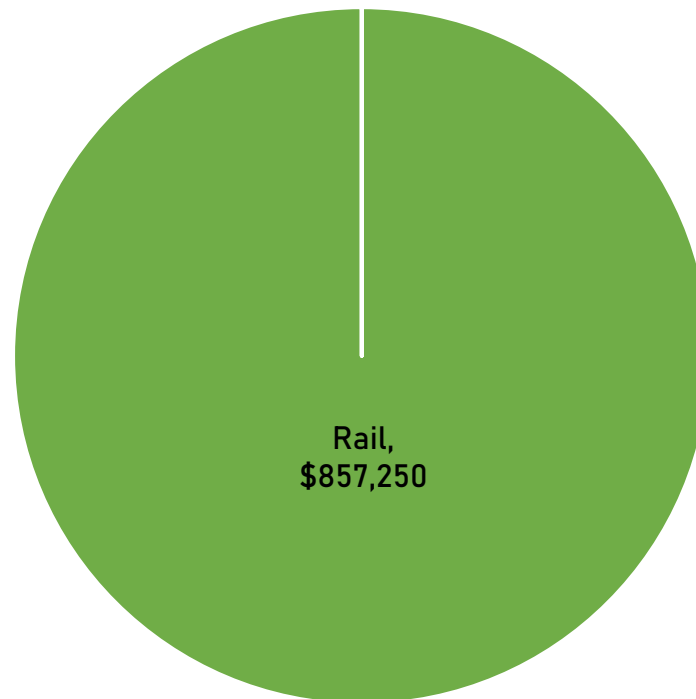
29 Projects: \$678,098



FFYs 2022-2025 Total Programmed Funds by Agency and Project Type (x1000)

Honolulu Authority for Rapid Transportation (HART)

1 Projects: \$857,250



INTRODUCTION

The Transportation Improvement Program (TIP) is a short-term program, which lists all surface transportation projects or phases of projects on the island of Oahu that:

- Are regionally significant projects
- Use Federal Highway Administration (FHWA) or Federal Transit Administration (FTA) funding for projects including transportation alternatives, transit improvements, Federal Lands Transportation Program (FLTP) and Federal Lands Access Program (FLAP), Highway Safety Improvement Program (HSIP), trails, pedestrian walkways, and bicycle facilities except the following:
 - Safety projects under the Highway Safety Program and the Motor Carrier Safety Assistance Program
 - Metropolitan planning projects under the Unified Planning Work Program
 - State planning and research projects under State Planning and Research and Planning Programs
 - Emergency relief projects (except those involving substantial functional, locational, or capacity changes)
 - National planning and research projects under Technical Assistance and Workforce Development
 - Project management oversight projects under Project Management Oversight
- Require action by the FHWA or FTA (e.g., adding a freeway interchange with non-Federal funds)

Each project or project phase in the TIP must be consistent with the Oahu Regional Transportation Plan (ORTP). Projects or phases of projects can only be included if full funding can reasonably be anticipated to be available within the time period for completion of the project. Fiscal constraint must be demonstrated and maintained by year and include sufficient financial information to demonstrate which projects are to be implemented using current and/or reasonably available revenues. The TIP is also required to include a financial plan that demonstrates how the TIP can be implemented, identifies funding sources that are reasonably expected to be made available and any additional financing needed to carry out the TIP.

The TIP covers a period of four years plus two additional years for informational purposes. The TIP is updated every three years to provide a one-year overlap between updates and revised at least twice every Federal fiscal year (FFY) or as needed which is compatible with the Statewide Transportation Improvement Program (STIP) development and revision process. The TIP expires when the FHWA/FTA approval of the STIP expires.

DEVELOPMENT PROCESS

The TIP covers a period of four years plus two additional years for informational purposes. The TIP is updated every three years to provide a one-year overlap between updates which is compatible with the STIP development process. The TIP expires when the FHWA/FTA approval of the STIP expires.

TIP Development Schedule

Activity	Month
Development of financial estimates	July
Call for projects	August - September
Agencies submit projects	October
Project prioritization and selection	November
Project and program scoring review	December
Development of the draft TIP	January - March
Public comment and intergovernmental review	April
Response to comments	May
Committees and Policy Board	June
TIP approval	July
STIP incorporation, and FHWA/FTA approval	September, to coincide with the new FFY
Total processing time	15 months

Development of Financial Estimates

The OahuMPO, HDOT, DTS, and HART cooperatively formulate estimates of FHWA and FTA funds that are reasonably expected to be available based on current and historical data.

Call for Projects

The OahuMPO requests projects from the agencies forty-five days prior to the submittal due date with the following information:

- Confirmation that each project will be ready to obligate by the end of the FFY which it is programmed
- A completed Project Programming Request for a new project or an existing project with scope changes
- A location map, if applicable as a GIS shapefile for a new project or an existing project with scope changes
- Project evaluations for a new project or an existing project with scope changes
- Confirmation that a current inflation rate to reflect year of expenditure dollars was applied to all was applied to project cost estimates
- For new projects grouped by function into a program (e.g., traffic signals at various locations), identify, if possible, the locations of the individual components within each project and provide a location map as a GIS shapefile
- If the Oahu Regional ITS Architecture needs to be revised in any way as a result of the project, the requestor must provide the necessary details

Project Requirements

Requirement	Description
Consistency with the ORTP	Is the project included in the ORTP, or consistent with the vision and goals?
Project Readiness	Is the project listed in the same year it is programmed to be funded?
Matching Local Funds	Does the project have the appropriate matching local funds in place?
Federal Planning Factors	<p>As part of the 3C (continuing, cooperative, and comprehensive) planning process, does the project or project phase address the following factors?</p> <ul style="list-style-type: none"> • Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency • Increase the safety of the transportation system for motorized and non-motorized users • Increase the security of the transportation system for motorized and non-motorized users • Increase accessibility and mobility of people and freight • 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 • Enhance the integration and connectivity of the transportation system, across and between modes throughout the State, for people and freight • Promote efficient system management and operation • Emphasize the preservation of the existing transportation system • Improve the resiliency and reliability of the transportation system and reduce or mitigate stormwater impacts of surface transportation • Enhance travel and tourism

Project Prioritization and Selection

New projects and programs are selected by a project and program prioritization process using measurable criteria based on the ORTP goals to create a scoring system as it provides a quantitative method to compare projects and programs proposed for the TIP. The total scores for each project and program are reviewed by the CAC and TAC where they can recommend the Policy Board to be included in the TIP. This process is reviewed and updated as needed to reflect current priorities.

The project and program prioritization process are available in [Appendix A](#) and the scoring of new projects and programs is in [Appendix B](#).

Interactive Map

An [interactive map](#) of all projects listed in the TIP is published on the OahuMPO website. The map allows a user to see the location of the project and compare how the proposed project interacts with other plans and programs (e.g., conservation, natural resources, etc.). Projects are identified using an alphanumeric system where the first two letters define the island (“O” for Oahu) and whether it is a State (“S”) or City and County of Honolulu (“C”) project, followed by the project number. Projects submitted after FFY 2021 use a longer format: OC-##-# or OS-##-# with the middle two digits representing the year the project was added to the TIP (e.g., 22 represents FFY 2022) and the last two digits representing the project number.

Public Outreach

While agencies use their own public participation process or use the [OahuMPO Public Participation Plan \(PPP\)](#) to conduct public outreach for individual projects, the OahuMPO provides additional opportunities for the public to review and comment on the program of projects in the TIP with public outreach efforts guided by the OahuMPO PPP.

The public outreach process for TIP FFYs 2022–2025 began with public outreach for the ORTP 2045 from January 2019 to May 2019 with in-person information and outreach booths, focus groups, and an online survey. As a result of COVID-19, the OahuMPO shifted outreach to virtual methods including virtual open houses, virtual community meetings, and an online survey from October 2020 to March 2021. The virtual open houses provided an opportunity for the community to ask questions and provide feedback on the proposed projects and programs in the ORTP 2045. Seven virtual community meetings were hosted by the OahuMPO, project agencies (e.g., HDOT, DTS, and HART), and Honolulu City Councilmembers. 140 comments were received during the virtual community meetings from 50 participants. All comments and questions were directed to the project agencies for response and were also shared with the Policy Board. Three additional virtual open houses, co-hosted with the project agencies, were also conducted for the TIP in June 2021 with midday, evening, and weekend options to provide the community ample opportunities to participate. A notice of the open houses and the opportunity to provide comments was distributed through an HDOT press release and the OahuMPO via email, Facebook, and the website.

- HDOT press release: Distributed to 2,044 recipients
- Email: Three newsletters were sent to 501 subscribers
- Website: The public comment period and open houses were shared on the website and calendar
- Facebook: 9 posts from May 27, 2021, to June 14, 2021, which resulted in 202 views and 12 engagements

Draft TIP

Once the agencies have submitted their projects, public outreach has been conducted, and the CAC, TAC and Policy Board have reviewed the ranked projects, a draft TIP is developed with the following key elements:

- Development process
- Revision history
- Project listing
- Financial plan
- Fiscal constraint
- CMP
- PBPP
- T6/EJ analysis

Title VI and Environmental Justice (T6/EJ)

As part of the OahuMPO Title VI and Environmental Justice Program Implementation Plan, the OahuMPO ensures the following actions:

- Works with the entities to identify transportation projects that serve areas with low income and minority populations
- Provides an opportunity for all populations to give input into project identification
- Ensures there is no significant difference in planned investments between T6/EJ areas and non-T6/EJ areas

The Title VI and Environmental Justice analysis is available in [Appendix C](#).

Public Comment and Intergovernmental Review

The OahuMPO provides at least forty-five calendar days for the public to comment and review the draft TIP. Copies of the draft TIP are also provided to FHWA and FTA for informational purposes and published on the OahuMPO website. In conjunction with the public comment and review period, the draft TIP is also shared with agencies and officials that are affected by transportation to ensure compatibility with their planning activities. These agencies and officials include HDOT, DTS, HART, FHWA, FTA, Federal Land Management Agencies (FLMAs), and other governmental or non-profit organizations that receive Federal funding for non-emergency transportation services.

The Public Comment and Intergovernmental Review period for TIP FFYs 2022-2025 was held from June 4, 2021, to June 22, 2021, where the CAC, the public, key stakeholders, and federally required agencies were provided an opportunity to comment and review the final draft. A notice was distributed through an HDOT press release and the OahuMPO via email, Facebook, and the website. All comments and questions were directed to the project agencies for response and were also shared with the Policy Board. A total of 60 comments were received and the responses provided is available in [Appendix D](#).

Committees and Policy Board

The draft TIP is reviewed by the CAC and TAC where they can recommend the Policy Board to approve the TIP. The Policy Board reviews their recommendations along with agency consultations, technical analyses, and public comments to decide whether to approve the TIP.

TIP Approval

Following endorsement by the Policy Board, the TIP is sent to the HDOT Director, the current Governor's designee for approval. The TIP is also published on the OahuMPO website.

STIP Incorporation

Upon approval by the Policy Board and the HDOT Director, the TIP is incorporated, without change, as the Oahu portion of the STIP.

FHWA and FTA Approval

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.

REVISIONS

Between updates every three years, the TIP is revised twice a year following the Semi-Annual Revision Schedule or as needed (e.g., emergency projects in response to natural and other disasters, situations where federal funds are at risk or become available, etc.) using an Out-of-Cycle Revision Schedule with processing time subject to the type of change described below. Either method is compatible with the STIP revision process.

A minor change is called an Administrative Modification while a major change is considered an Amendment.

An Administrative Modification is a minor change in cost to a project or project phase, a minor change to funding sources, a minor change to the start or end date of a project or project phase, a minor change in design concept or design scope, minor corrections, or adding, modifying, or removing a project or project phase involving advance construction. This revision does not require public review and comment or a redemonstration of fiscal constraint. An Administrative Modification does not require recommendation by the CAC and TAC or Policy Board approval. However, the Policy Board will be provided a copy of the Administrative Modification.

An Amendment is a major change to a project or project phase including the addition or deletion of a project, a major change in cost to a project or project phase, a major change to the start or end date of a project or project phase, a major change in design concept or design scope (e.g., changing project termini or the number of through traffic lanes or changing the number of stations in the case of fixed guideway transit projects). Changes to a project that is included only for illustrative purposes does not require an Amendment. This revision requires a public review and comment period and a redemonstration of fiscal constraint. An Amendment requires recommendation by the CAC and TAC for Policy Board approval.

The OahuMPO will determine the type of revision using the Administrative Modification and Amendment Decision Table below. If the type of revision cannot be determined, the OahuMPO will consult with the partner agencies to make a determination. Misspellings, typos, and other data entry errors will be corrected by the OahuMPO in cooperation with the partner agencies and is not considered a revision.

Administrative Modification and Amendment Decision Table

Type of Change	A. Administrative Modification	B. Amendment
1. Adding or removing a project in the first four years of the TIP		X
2. A major change in cost to a project or project phase in the first four years of the TIP that exceeds both \$10 million and 25% of the estimated total project cost before the proposed increase, excluding the current inflation rate ¹		X
3. A major change to the start or end date of a project or project phase: 3.1. Moving a project to the illustrative years 3.2. Deferring a project phase to a year that is outside of the first four years of the TIP when there are no other project phases in the first four years		X
4. A major change in design concept or design scope: 4.1 Changing project termini 4.2 Changing the number of through traffic lanes 4.3 Changing the number of stations in the case of fixed guideway transit projects 4.4 Changing the purpose and need (e.g., shoreline protection to capacity) 4.5 Changing between replacement buses and expansion buses 4.6 Adding a project phase to an existing project with major changes in cost defined in B.2		X
5. A major change in funding sources: 5.1. Transferring (flexing) funds between Federal agencies that is greater than \$10 million		X

Type of Change	A. Administrative Modification	B. Amendment
<p>6. A minor change in design concept or design scope:</p> <p>6.1. Splitting or grouping projects as long as the design concept or design scope remains unchanged with minor changes in cost to a project or project phase defined in A.8</p> <p>6.2. Adding or deleting projects from grouped listings as long as the design concept or design scope remains unchanged with minor changes in cost to a project or project phase defined in A.8</p> <p>6.3. Changing the design scope to accommodate prescribed actions under NEPA.</p> <p>6.4. Adding a project phase to an existing project with minor changes in cost defined in A.8</p>	X	
7. Changes to a project or project phase that is included only for illustrative purposes	X	
8. A minor change in cost to a project or project phase in the first four years of the TIP that is below the thresholds defined in B.2	X	
<p>9. A minor change to funding sources:</p> <p>9.1. Transferring (flexing) funds between Federal agencies that is below the threshold defined in B.5.1</p> <p>9.2. Changing funding sources within the same Federal agency</p> <p>9.3. Changing funding sources between Federal, local, and state agencies</p> <p>9.4. Adding discretionary funds (e.g., congressional earmarks)</p>	X	
<p>10. A minor change to the start or end date of a project or project phase:</p> <p>10.1. Advancing a project from the programmed year</p> <p>10.2. Deferring a project to a later year within the first four years of the TIP</p> <p>10.3. Deleting or deferring a project phase to a year outside of the first four years of the TIP as long as another phase of the project remains within the first four years and the design concept or design scope remains unchanged</p>	X	

Type of Change	A. Administrative Modification	B. Amendment
11. Adding, modifying, or removing a project or project phase involving advance construction	X	

1. Approved by the OahuMPO Policy Board on February 28, 2023, on the condition that the cost threshold for a major change to a project or project phase (see 2.B in the Administrative Modification and Amendment Decision Table) will automatically revert from \$10 million to \$5 million at the end of one year from the approval date unless approved by the Policy Board on a permanent basis.

Semi-Annual Revision Schedule – Administrative Modification

Activity	Fall Revision	Spring Revision
OSR meetings	October	March
Agencies submit revisions	November	April
Development of the draft TIP revision	November – December	April – May
TIP approval, STIP incorporation, and FHWA/FTA approval	January	June
Total processing time	4 months	4 months

Semi-Annual Revision Schedule – Amendment

Activity	Fall Revision	Spring Revision
OSR meetings	October	March
Agencies submit revisions	November	April
Development of the draft TIP revision	November – December	April – May
Public comment and intergovernmental review	December – January	May – June
Response to comments	January	June
Committees and Policy Board	February	July
TIP approval, STIP incorporation, and FHWA/FTA approval	March	August
Total processing time	6 months	6 months

Out-of-Cycle Revision Schedule

Activity	Administrative Modification	Amendment
Agencies submit revisions	1-3 days	1-3 days
Development of the draft TIP revision	At least 1 week	At least 2 weeks due to technical analysis (e.g., CMP, fiscal constraint, new project scoring, and T6/EJ analysis)
Public comment and intergovernmental review		2 weeks
Response to comments		1 week
Committees and Policy Board		At least 4 weeks due to the Committees and Policy Board schedule
TIP approval, STIP incorporation, and FHWA/FTA approval	At least 1 week	At least 1 week
Total processing time	At least 2 weeks	At least 10 weeks

REVISION HISTORY

TIP FFYs 2022-2025 was endorsed by the Policy Board in July 2021 and has been revised 13 times through April 2023. A summary of the revisions is provided in the table below.

Revision #	Revision Type	Date	# Of Projects Modified	# Of Projects Removed	# Of Projects Added	Total # Of Projects Revised
1	Pre-Approved Administrative Modifications	January 2022	37	0	0	37
2	Expedited Administrative Modifications	February 2022	6	0	0	6
3	Amendments	February 2022	6	1	6	13
4	Pre-Approved Administrative Modifications	May 2022	19	0	0	19
5	Expedited Administrative Modifications	June 2022	1	0	0	1
6	Amendments	June 2022	3	1	4	8
7	Expedited Administrative Modifications	July 2022	1	0	0	1
8	Pre-Approved Administrative Modifications	September 2022	1	0	0	1
9	Pre-Approved Administrative Modifications	December 2022	34	0	0	34
10	Expedited Administrative Modifications	March 2023	2	0	0	2
11	Amendments	March 2023	5	0	10	15
12	Administrative Modification	March 2023	1	0	0	1
13	Administrative Modification	April 2023	2	0	0	2
Total			118	2	20	140

FUNDING

Funding for all projects must be identified and can come from federal, state, and local funding sources. A brief description for each funding source is provided below.

FHWA:

Bridge Off-System (Bridge OS)

The “Off-System” Bridge Program contains set-aside funds from the Bridge Formula Program to replace or rehabilitate deficient bridges that are not on the federal-aid road system (e.g., bridges on local roads).

Discretionary (Earmark, FLAP)

Discretionary funds are additional funds that the Federal government may decide to award to the region such as funds for the Federal Lands Access Program (FLAP) and congressional allocations such as RAISE/BUILD grants.

Federal Highway Administration Competitive Grants (FHWA Grant)

The FHWA provides a variety of competitive grant programs used to fund various types of transportation projects and activities.

Highway Infrastructure Program - Bridge Formula Program (HIP-BFP)

The Bridge Formula Program contains set-aside funds from the Highway Infrastructure Program for highway bridge replacement, rehabilitation, preservation, protection, and construction of highway bridges.

Highway Infrastructure Program - Community Project Funding / Congressionally Directed Spending (HIP-CPF/CDS)

The Community Project Funding / Congressionally Directed Spending are set-aside funds from the Highway Infrastructure Program and provide funds for transit infrastructure.

Highway Safety Improvement Program (HSIP)

The Highway Safety Improvement Program provides funds to achieve a significant reduction in traffic fatalities and serious injuries on all public roads using a data-driven, strategic approach to improve highway safety on all public roads.

National Highway Performance Program (NHPP)

The National Highway Performance Program provides funds to support for the condition and performance of the National Highway System (NHS), the construction of new facilities on the NHS, and to ensure funds in highway construction are directed to support progress toward the achievement of performance targets established in a State asset management plan for the NHS.

Railway-Highway Crossings Program (RHCP)

The Railway-Highway Crossings Program provides funds for the elimination of hazards at railway-highway crossings.

Surface Transportation Block Grant Program (STBG)

The Surface Transportation Block Grant program provides flexible funds that may be used by States and local agencies for projects to preserve and improve the conditions and performance on any Federal-aid highway, bridge and tunnel projects on any public road, pedestrian and bicycle infrastructure, and transit capital projects, including intercity bus terminals.

Surface Transportation Program Enhancement (STP Enhance)

The Surface Transportation Program Enhancement provides funds for innovative, community-based projects to enhance the transportation system through non-traditional type projects including historic preservation transportation facilities and museums, landscaping and beautification, scenic highways, bike and pedestrian facilities and education, and rail corridors preservation.

Transportation Alternatives Set-Aside (TA)

The Transportation Alternatives Set-Aside from the Surface Transportation Block Grant Program provides funding for a variety of small-scale transportation projects such as pedestrian and bicycle facilities; construction of turnouts, overlooks, and viewing areas; community improvements such as historic preservation and vegetation management; environmental mitigation related to stormwater and habitat connectivity; recreational trails; safe routes to school projects; and vulnerable road user safety assessments.

FTA funding sources:

§5307 Urbanized Area Formula Grants

The Urbanized Area Formula Funding program makes federal resources available in urbanized areas (e.g., areas with a pop. $\geq 50K$) for transit capital and operating assistance and for transportation-related planning.

§5340 Growing States and High-Density States Formula Program

The Growing States and High-Density States Formula Program was established by the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) to apportion additional funds to the Urbanized Area Formula and Rural Area Formula programs.

§5309 Capital Investment Grants

The Capital Investment Grants program is a discretionary grant program that funds transit capital investments, including heavy rail, commuter rail, light rail, streetcars, and bus rapid transit.

§5310 Enhanced Mobility of Seniors & Individuals with Disabilities

The Enhanced Mobility of Seniors & Individuals with Disabilities program provides formula funding to states for the purpose of assisting private nonprofit groups in meeting the transportation needs of older adults and people with disabilities when the transportation service provided is unavailable, insufficient, or inappropriate to meeting these needs.

§5329 Public Transportation Safety and Oversight

The Public Transportation Safety and Oversight program provides formula funding to implement and maintain a national public transportation safety program to improve the safety of all public transportation systems that receive federal funding.

§5337 State of Good Repair Grants

The State of Good Repair Grants Program provides capital assistance for maintenance, replacement, and rehabilitation projects of high-intensity fixed guideway and bus systems to help transit agencies maintain assets in a state of good repair.

§5339 Buses and Bus Facilities Formula Program

The Buses and Bus Facilities Formula Program provides funding to states and transit agencies through a statutory formula to replace, rehabilitate and purchase buses and related equipment and to construct bus-related facilities. In addition to the formula allocation, this program also includes two discretionary components: the Bus and Bus Facilities Discretionary Program and the Low or No Emissions Bus Discretionary Program.

Local Funding Sources:

State of Hawaii

The State of Hawaii primarily provides funding through the State Highway Fund.

City and County of Honolulu

The City and County of Honolulu primarily provides funding through the Bikeway Fund, General Improvement Bonds, and Highway Improvement Bonds.

Honolulu Authority for Rapid Transportation (HART)

The Honolulu Authority for Rapid Transportation primarily provides funding through the State General Excise Tax and the Honolulu Transient Accommodation Tax.

FINANCIAL PLAN

A financial plan is required to be financially constrained by each program year and include sufficient financial information for demonstrating that projects can be implemented using committed, available, or reasonably available revenue sources, with reasonable assurance that the federally supported transportation system is being adequately operated and maintained. Revenue and cost estimates use a current inflation rate to reflect year of expenditure dollars developed cooperatively by the OahuMPO, HDOT, DTS, and HART.

The tables below show the revenue by funding source and expenditures by project phases for FFYs 2022-2025, including each program year.

Revenue: FFY 2022 (x1000)			
Funding Category	Total	Federal	Local
§5307/§5340	\$11,850	\$9,480	\$2,370
§5309	\$70,000	\$70,000	\$0
§5310	\$1,131	\$928	\$203
§5329	\$672	\$537	\$135
§5337	\$1,850	\$1,480	\$370
§5339	\$3,848	\$3,078	\$770
Bridge OS	\$1,780	\$1,200	\$580
Earmark	\$0	\$0	\$0
FHWA Grant	\$0	\$0	\$0
FLAP	\$0	\$0	\$0
FTA Grant	\$0	\$0	\$0
HIP-BFP	\$0	\$0	\$0
HIP-CPF/CDS	\$0	\$0	\$0
HSIP	\$15,950	\$17,707	-\$1,757
Local	\$22,520	\$0	\$22,520
NHPP	\$86,150	\$123,032	-\$36,882
RHCP	\$0	\$0	\$0
STBG	\$81,743	\$14,760	\$66,983
STP Enhance	\$0	\$3,457	-\$3,457
TA	\$0	\$0	\$0
TOTAL	\$297,494	\$245,659	\$51,835

Expenditures: FFY 2022 (x1000)			
Project Phase	Total	Federal	Local
H RTP	\$70,000	\$70,000	\$0
PLN	\$0	\$0	\$0
PE1	\$2,750	\$1,080	\$1,670
PE2	\$736	\$501	\$235
PE2/CON	\$0	\$0	\$0
DES	\$2,145	\$1,492	\$653
ROW	\$10	\$0	\$10
ADVCON	\$0	\$97,646	-\$97,646
CON	\$193,466	\$51,785	\$141,681
EQP	\$17,893	\$14,314	\$3,579
OPR	\$5,760	\$5,057	\$703
INSP	\$4,734	\$3,784	\$950
TOTAL	\$297,494	\$245,659	\$51,835

Revenue: FFY 2023 (x1000)				
Funding Category	Total	Federal	Local	
§5307/§5340	\$166,096	\$123,874	\$42,222	
§5309	\$165,000	\$125,000	\$40,000	
§5310	\$1,789	\$1,431	\$358	
§5329	\$357	\$285	\$72	
§5337	\$2,007	\$1,612	\$395	
§5339	\$14,110	\$11,288	\$2,822	
Bridge OS	\$3,640	\$2,400	\$1,240	
Earmark	\$0	\$4,400	-\$4,400	
FHWA Grant	\$15,925	\$12,740	\$3,185	
FLAP	\$1,375	\$1,100	\$275	
FTA Grant	\$23,694	\$20,000	\$3,694	
HIP-BFP	\$0	\$0	\$0	
HIP-CPF/CDS	\$20,387	\$19,137	\$1,250	
HSIP	\$2,035	\$1,630	\$405	
Local	\$22,231	\$0	\$22,231	
NHPP	\$199,592	\$53,968	\$145,624	
RHCP	\$2,300	\$2,070	\$230	
STBG	\$101,305	\$83,002	\$18,303	
STP Enhance	\$0	\$0	\$0	
TA	\$11,038	\$8,830	\$2,208	
TOTAL	\$752,881	\$472,767	\$280,114	

Expenditures: FFY 2023 (x1000)				
Project Phase	Total	Federal	Local	
H RTP	\$231,000	\$180,000	\$51,000	
PLN	\$212	\$0	\$212	
PE1	\$24,932	\$17,872	\$7,060	
PE2	\$11,154	\$7,898	\$3,256	
PE2/CON	\$0	\$0	\$0	
DES	\$4,096	\$2,765	\$1,331	
ROW	\$3,378	\$1,878	\$1,500	
ADVCON	\$0	\$36,400	-\$36,400	
CON	\$340,681	\$112,760	\$227,921	
EQP	\$127,760	\$105,258	\$22,502	
OPR	\$5,498	\$4,847	\$651	
INSP	\$4,170	\$3,089	\$1,081	
TOTAL	\$752,881	\$472,767	\$280,114	

Revenue: FFY 2024 (x1000)			
Funding Category	Total	Federal	Local
§5307/§5340	\$106,604	\$80,619	\$25,985
§5309	\$330,000	\$250,000	\$80,000
§5310	\$1,067	\$853	\$214
§5329	\$374	\$299	\$75
§5337	\$1,924	\$1,539	\$385
§5339	\$4,004	\$3,203	\$801
Bridge OS	\$2,913	\$1,952	\$961
Earmark	\$0	\$0	\$0
FHWA Grant	\$37,470	\$29,976	\$7,494
FLAP	\$0	\$0	\$0
FTA Grant	\$0	\$0	\$0
HIP-BFP	\$0	\$0	\$0
HIP-CPF/CDS	\$4,988	\$4,818	\$170
HSIP	\$1,395	\$1,295	\$100
Local	\$39,201	\$0	\$39,201
NHPP	\$98,672	\$104,012	-\$5,340
RHCP	\$0	\$0	\$0
STBG	\$66,250	\$53,617	\$12,633
STP Enhance	\$0	\$0	\$0
TA	\$1,459	\$1,167	\$292
TOTAL	\$696,321	\$533,350	\$162,971

Expenditures: FFY 2024 (x1000)			
Project Phase	Total	Federal	Local
H RTP	\$360,000	\$275,000	\$85,000
PLN	\$1	\$0	\$1
PE1	\$19,762	\$14,290	\$5,472
PE2	\$11,650	\$8,265	\$3,385
PE2/CON	\$250	\$200	\$50
DES	\$4,098	\$2,317	\$1,781
ROW	\$3,126	\$1,701	\$1,425
ADVCON	\$0	\$68,017	-\$68,017
CON	\$230,327	\$111,988	\$118,339
EQP	\$19,409	\$15,525	\$3,884
OPR	\$32,803	\$26,692	\$6,111
INSP	\$14,895	\$9,355	\$5,540
TOTAL	\$696,321	\$533,350	\$162,971

Revenue: FFY 2025 (x1000)			
Funding Category	Total	Federal	Local
§5307/§5340	\$81,745	\$57,190	\$24,555
§5309	\$165,000	\$125,000	\$40,000
§5310	\$1,095	\$876	\$219
§5329	\$393	\$314	\$79
§5337	\$1,963	\$1,570	\$393
§5339	\$4,084	\$3,267	\$817
Bridge OS	\$2,880	\$1,930	\$950
Earmark	\$0	\$0	\$0
FHWA Grant	\$0	\$0	\$0
FLAP	\$0	\$0	\$0
FTA Grant	\$0	\$0	\$0
HIP-BFP	\$0	\$0	\$0
HIP-CPF/CDS	\$1,350	\$1,080	\$270
HSIP	\$2,000	\$1,600	\$400
Local	\$42,801	\$0	\$42,801
NHPP	\$134,554	\$106,727	\$27,827
RHCP	\$0	\$0	\$0
STBG	\$46,706	\$45,363	\$1,343
STP Enhance	\$0	\$0	\$0
TA	\$1,683	\$1,346	\$337
TOTAL	\$486,254	\$346,263	\$139,991

Expenditures: FFY 2025 (x1000)			
Project Phase	Total	Federal	Local
H RTP	\$195,000	\$150,000	\$45,000
PLN	\$1	\$0	\$1
PE1	\$3,630	\$1,424	\$2,206
PE2	\$29,181	\$4,969	\$24,212
PE2/CON	\$0	\$0	\$0
DES	\$3,336	\$2,295	\$1,041
ROW	\$11,793	\$8,634	\$3,159
ADVCON	\$0	\$66,760	-\$66,760
CON	\$186,995	\$67,325	\$119,670
EQP	\$20,345	\$16,274	\$4,071
OPR	\$32,860	\$26,737	\$6,123
INSP	\$3,113	\$1,845	\$1,268
TOTAL	\$486,254	\$346,263	\$139,991

Revenue: FFY 2022-2025 (x1000)			
Funding Category	Total	Federal	Local
§5307/§5340	\$366,295	\$271,163	\$95,132
§5309	\$730,000	\$570,000	\$160,000
§5310	\$5,082	\$4,088	\$994
§5329	\$1,796	\$1,435	\$361
§5337	\$7,744	\$6,201	\$1,543
§5339	\$26,046	\$20,836	\$5,210
Bridge OS	\$11,213	\$7,482	\$3,731
Earmark	\$0	\$4,400	-\$4,400
FHWA Grant	\$53,395	\$42,716	\$10,679
FLAP	\$1,375	\$1,100	\$275
FTA Grant	\$23,694	\$20,000	\$3,694
HIP-BFP	\$0	\$0	\$0
HIP-CPF/CDS	\$26,725	\$25,035	\$1,690
HSIP	\$21,380	\$22,232	-\$852
Local	\$126,753	\$0	\$126,753
NHPP	\$518,968	\$387,739	\$131,229
RHCP	\$2,300	\$2,070	\$230
STBG	\$296,004	\$196,742	\$99,262
STP Enhance	\$0	\$3,457	-\$3,457
TA	\$14,180	\$11,343	\$2,837
TOTAL	\$2,232,950	\$1,598,039	\$634,911

Expenditures: FFY 2022-2025 (x1000)			
Project Phase	Total	Federal	Local
H RTP	\$856,000	\$675,000	\$181,000
PLN	\$214	\$0	\$214
PE1	\$51,074	\$34,666	\$16,408
PE2	\$52,721	\$21,633	\$31,088
PE2/CON	\$250	\$200	\$50
DES	\$13,675	\$8,869	\$4,806
ROW	\$18,307	\$12,213	\$6,094
ADVCON	\$0	\$268,823	-\$268,823
CON	\$951,469	\$343,858	\$607,611
EQP	\$185,407	\$151,371	\$34,036
OPR	\$76,921	\$63,333	\$13,588
INSP	\$26,912	\$18,073	\$8,839
TOTAL	\$2,232,950	\$1,598,039	\$634,911

CONGESTION MANAGEMENT

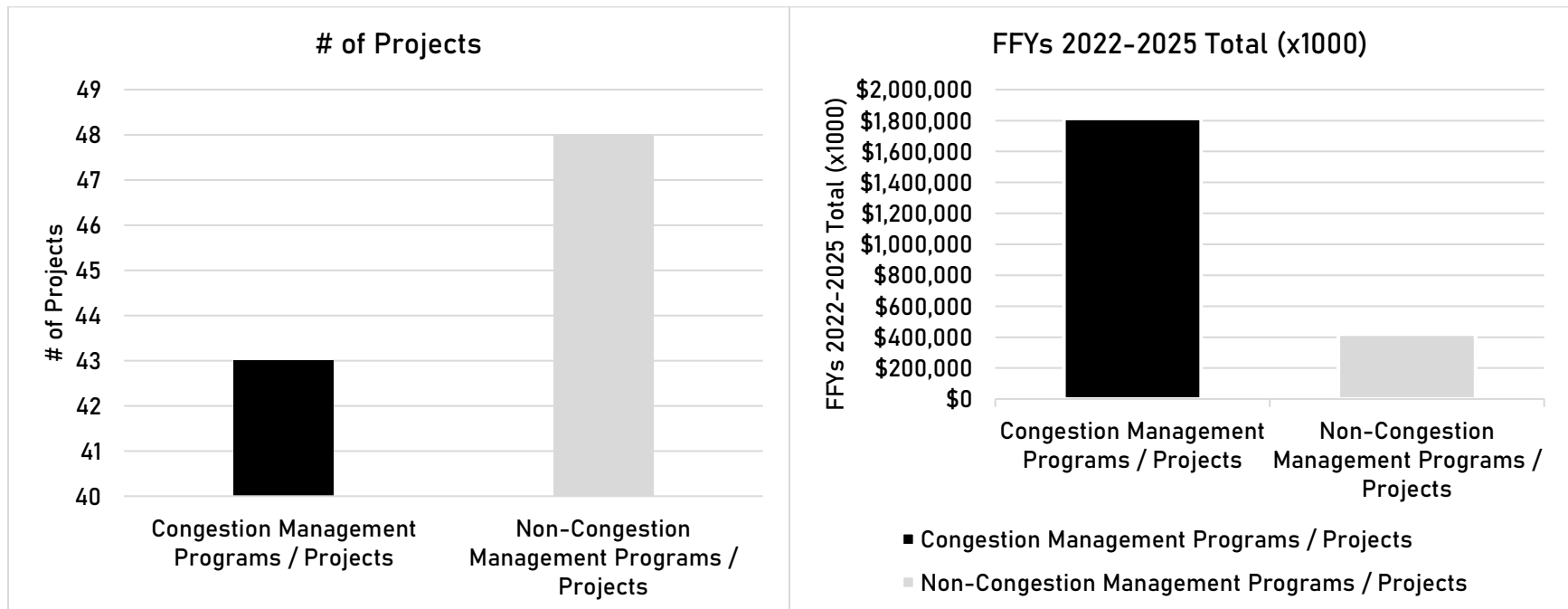
As part of the transportation planning process, the OahuMPO addresses congestion through a [Congestion Management Process \(CMP\)](#) that provides for effective management and operation, based on a cooperatively developed and implemented metropolitan-wide strategy, of new and existing transportation facilities, through the following travel demand reduction and operational management strategies:

- Transportation Demand Management (TDM) Strategies
- Land Use and Growth Management Strategies
- Public Transit Improvements
- Active Transportation Strategies
- Operational Enhancements
- Corridor Preservation and Management Strategies
- Capacity Enhancements

The CMP can be directly linked to 8 of the 14 TIP project and program evaluation criteria listed below:

- Evaluation Criteria 1.1.1: Increase safety by investing in safety improvements in high crash areas and projects and programs that intend on improving safety
- Evaluation Criteria 2.1.1: Increase the share of people using active transportation by investing in projects and programs that add miles of pedestrian facilities or improve existing pedestrian facilities
- Evaluation Criteria 2.1.2: Increase the share of people using active transportation by investing in projects and programs that add miles of bicycle facilities or improve existing bicycle facilities
- Evaluation Criteria 2.2.1: Increase the share of people taking transit by investing in projects and programs that support TheBus, Handi-Van, and Rail
- Evaluation Criteria 2.3.1: Decrease the share of people driving alone by investing in projects and programs that encourage people not to drive alone
- Evaluation Criteria 6.1.1: Improve freight reliability by investing in projects on designated freight routes and programs that intend on improving freight reliability
- Evaluation Criteria 6.1.2: Improve reliability of Interstate and Non-Interstate highways, freight networks, and transit by investing in projects and programs with the intent of reducing and/or managing non-recurring congestion and transit delays
- Evaluation Criteria 6.2.1: Improve efficiency by investing in projects on congested corridors, and corridors with high numbers of transit trips per hour, projects that improve the efficiency of transit, and programs that intend on improving the efficiency of the transportation system

The figures below show that while only 43 programs/projects are expected to help mitigate congestion, the total programmed funds make up roughly \$1.8B or 81% of the total funding programmed in FFYs 2022-2025.



Of the 91 total programs/projects, 43 projects or roughly 47 percent of the total programs/projects are expected to help mitigate congestion and are listed below.

Project #	Project Name	Project Description	FFY 2022-2025 Total (x1000)
OC1	Alapai Transportation Management Center Operations	Operations and management for the joint communications center behind the Alapai Transit Center which holds City, State & emergency response agencies.	\$1,139
OC10	Traffic Signals at Various Locations	Install and upgrade traffic signals island wide including ADA improvements, signs and markings, and interties.	\$15,100
OC13	Bus and Handi-Van Acquisition Program	Purchase replacement transit buses and Handi-Van vehicles.	\$180,949
OC14	Bus Stop ADA Access and Site Improvements	To modify bus stops and bring them into compliance 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.	\$3,372
OC16	Honolulu Rail Transit Project	Plan, design, and construct a fixed guideway system between East Kapolei and Civic Center. The system includes stations and related appurtenances, park-and-ride facilities, a maintenance and storage facility, light metro vehicles, and associated core syst	\$857,250
OC2	Bikeway Improvements Program	An on-going islandwide program for the implementation of the Oahu Bicycle Master Plan improvements, the development of new projects, and the upgrade of existing bicycle projects.	\$8,318
OC-21-54	Kalaeloa Boulevard Railroad Improvements	Design and install a railroad traffic signal and traffic camera at the railroad crossing on Kalaeloa Blvd.	\$1,480
OC-21-55	Oahu Traffic Signal Controller Modernization	To construct and inspect related equipment for approximately 150 traffic signalized intersections	\$16,251
OC-21-59	Intermodal Connectivity - TA Set-Aside (OahuMPO)	The Transportation Alternatives (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	\$23,842
OC23	Salt Lake Boulevard Widening, Phase 3B	To widen the remaining unimproved section of Salt Lake Boulevard stretching 1 mile from Maluna Street to Ala Lilikoi Street. 3B is intended to complete the overall road improvement project and provide multi-lanes of roadway capacity for the entire length	\$32,050
OC25	Transportation Alternatives Program (MPO)	The Transportation Alternatives (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, and infrastructure projects	\$43,349

Project #	Project Name	Project Description	FFY 2022-2025 Total (x1000)
OC26	Transportation Alternative Program (State)	The Transportation Alternatives (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	\$19,267
OC4	Computerized Traffic Control System	Upgrade and expand fiber optic lines, CCTV cameras, data collection, and signal control in urban and rural areas for connection to the Traffic Control Center.	\$1,553
OC8	Traffic Improvements at Various Locations	Provide traffic congestion relief and improve traffic safety at various locations, including but not limited to Mahoe/Waipahu Streets and Manager's Drive/Hiapo Street Intersection.	\$9,419
OS11	ITS Operation and Maintenance	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.	\$2,000
OS12	Destination Sign, Upgrade and Replacement	Replace and/or upgrade the existing destination signs and sign support structures on Interstate Routes H-1, H-2, H-201, and Pali Highway.	\$35,789
OS17	Interstate Route H-1, Kapolei Interchange Complex, Phase 3	Phase 3 scope of work is widening Farrington Highway, enlarging the H-1 Freeway loop off-ramp to Kalaeloa Blvd, construct the Mauka Frontage Road from Makakilo Drive to Kapolei Interchange, and construct the Palailai Interchange.	\$47,000
OS-21-44	Pali Highway, Rockfall Mitigation, Vicinity of MP 6.10 to MP 6.55	Rockfall protection/mitigation to be determined following an EA.	\$1,695
OS-21-45	Pali Highway, Rockfall Mitigation, Vicinity of MP 5.90 to MP 6.10	Rockfall protection/mitigation to be determined following an EA.	\$635
OS-21-46	Interstate Route H-1, Kunia Interchange Improvements	Improve capacity and congestion at Kunia Interchange due to the following issues: 1. Bottlenecks at high volume ramps due to merging or diverging of traffic from the mainline to/from the interchange ramp; and 2. A heavy mauka bound right turn movement	\$15,500
OS-21-49	Harbor Access Road (Route 94)	Scope could include but is not limited to the design and construction of new 4 lane divided concrete roadway, auxiliary lanes, sidewalks, bike lanes, traffic signals, intersections, associated utilities, grading, landscaping, and connections to future Cit	\$7,000
OS-21-53	Farrington Highway Widening, Helelua to Mohihi	A 5th lane will be installed on Farrington Highway, from Helelua Street to Mohihi Street. The lane will be used as a turnout lane and as a contraflow lane during peak travel times. Includes reconstructing the roadway and installing signs, striping and pav	\$32,000

Project #	Project Name	Project Description	FFY 2022-2025 Total (x1000)
OS-22-60	Adaptive Traffic Signal Control Technology & Traffic Signal Controller Installation at Various Locations, Oahu	Implement Adaptive Traffic Control Systems (ATCS) at various locations on Oahu. ATCS are a potential method of dealing with congestion, which adjusts signal timing to accommodate changing traffic patterns. Work may include providing and installing hardware	\$37,289
OS-22-62	Farrington Highway (RTE 93) Sidewalk Improvements, Hakimo Rd to Nanakuli Ave, MP 6.89 to MP 5.06	Construct new PCC sidewalk and ramps, drainage facilities, utility relocations and adjustments, driveway adjustments, grade adjustment walls, modifications/adjustments to existing traffic appurtenances (signs, traffic signals, etc).	\$15,300
OS43	Leeward Bikeway, Philippine Sea Road to Waipahu Depot Street	Improve the bikeway/bike path from Philippine Sea Road to Waipahu Depot Street.	\$0
OS5	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78)	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 Cont	\$15,072
OS50	Transportation Assistance for Elderly and Disabled	Funds from the program will be utilized for the purchase of buses for paratransit services for seniors and individuals with disabilities.	\$3,240
OS57	Freeway Management System, Joint Traffic Management Center Operations (State)	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 footag	\$1,400
OS61	Kamehameha Highway (Route 83) Realignment, Vicinity of Kawaihoa Beach	Realign a portion of Kamehameha Highway, on the North Shore. The project proposes to construct a realignment of Kamehameha Highway, from Haleiwa to the vicinity of Waimea Bay to address safety issues that revolve around use of the beach.	\$1,020
OS63	Traffic Counting Stations at Various Locations, Oahu	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	\$2,809
OS67	Interstate Route H-1, Reconstruction and Repair, Eastbound, Waimalu Interchange to Halawa	Rehabilitate or reconstruct Portland concrete pavement. Widen to improve shoulders and travel way.	\$0
OS75	Kamehameha Highway (Route 83), Rockfall Protection, Waimea Bay	Construct various rockfall/slope protection and slope stabilization mitigation measures.	\$22,393
OS79	Shoreline Protection/Mitigation Program	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.	\$48,210

Project #	Project Name	Project Description	FFY 2022-2025 Total (x1000)
OS80	Traffic signal Modernization at Various Locations, Ph2	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 o	\$5,000
OS82	Interstate Route H-1 Improvements, Eastbound, Ola Lane Overpass to Vineyard Boulevard	Eastbound Operational/congestion improvements, and structural improvements to bridges within the limits.	\$84,000
OS84	Kamehameha Highway (Route 83) Intersection Improvements at Kahekili Highway	Modify existing intersection and roadway approaches to a roundabout configuration. Improvement also includes a drainage system, curb and gutter, sidewalks, pavement markings and signing.	\$5,900
OS9	Freeway Service Patrol	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	\$16,000
OC-22-60	Capital Infrastructure Program	Plan, design, construct, inspect and provide related equipment for City projects of regional significance. Projects may be flexed from FHWA to FTA.	\$131,250
OC-22-61	Honolulu Transportation Demand Management (TDM) Plan	Program to support implementation of the Transportation Demand Management (TDM) Work Action Program.	\$2,000
OC-22-62	Kakaako Special District Roadway Improvement	Upgrade roads within the Kakaako Special District including Queen St, Kawaiahao St and Waimano St.	\$25,000
OC-22-66	Intermodal Connectivity - TA Set-Aside (State)	The Transportation Alternatives (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, and infrastructure projects	\$17,375
OC-22-67	Intermodal Connectivity Improvements	Acquire land, plan, design, construct and inspect improvements to intermodal centers and transit complete street connections within communities.	\$17,350
OC-22-69	Multimodal Transit Fare Collection System	Expand Honolulu HOLA Smart Card System to be available Statewide at all Hawaii Public Transit Systems.	\$8,275
Total			\$1,813,841

TRANSPORTATION PERFORMANCE MANAGEMENT

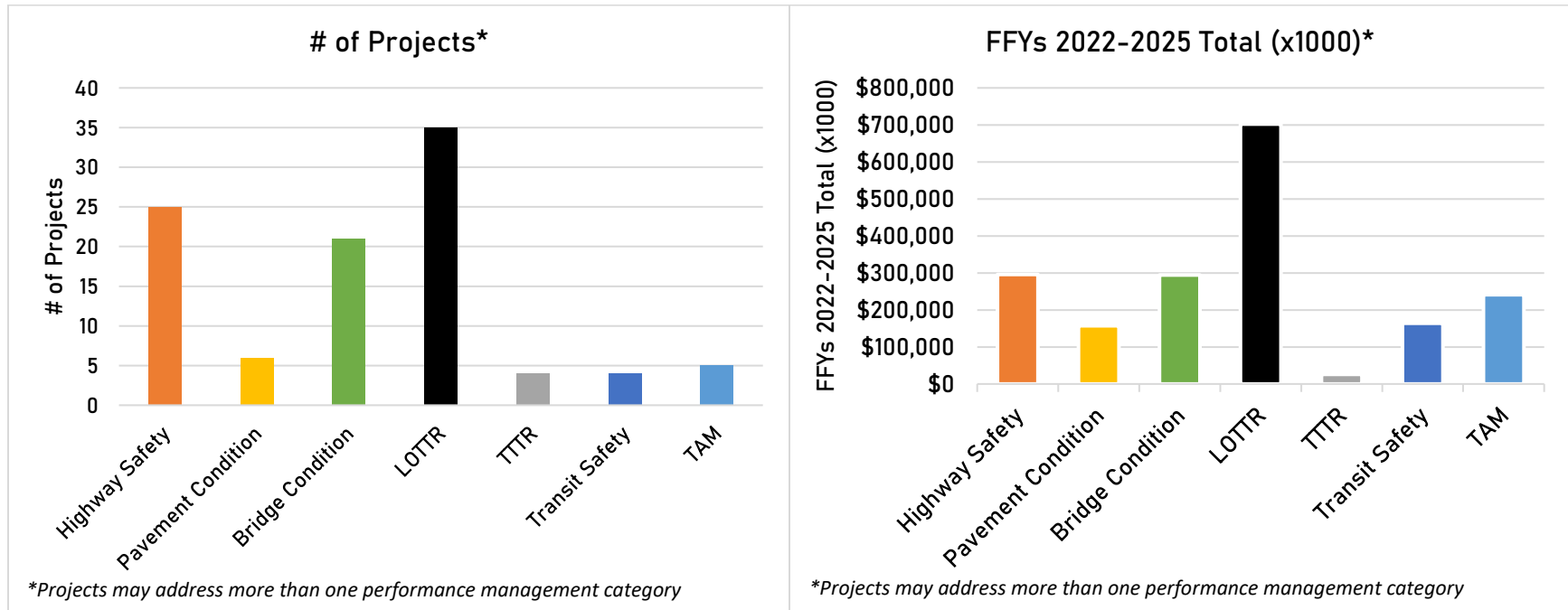
The OahuMPO in coordination with the HDOT and DTS uses a Performance-Based Planning and Programming (PBPP) approach to establish transportation performance targets and track the progress toward achieving the established targets as described in the [Performance-Based Planning and Programming Implementation Policies and Procedures](#). The TIP includes projects that make progress toward achieving the performance targets and to the maximum extent practicable, a description of the anticipated effect of the TIP toward achieving the performance targets, linking investment priorities to the following performance management categories:

- Highway Safety
- Pavement and Bridge Condition
- System Performance (Level of Travel Time Reliability and Truck Travel Time Reliability)
- Transit Safety
- Transit Asset Management (TAM)

These performance targets can be directly linked to 9 of the 14 TIP project and program evaluation criteria listed below:

- Evaluation Criteria 1.1.1: Increase safety by investing in safety improvements in high crash areas and projects and programs that intend on improving safety
- Evaluation Criteria 2.1.1: Increase the share of people using active transportation by investing in projects and programs that add miles of pedestrian facilities or improve existing pedestrian facilities
- Evaluation Criteria 2.1.2: Increase the share of people using active transportation by investing in projects and programs that add miles of bicycle facilities or improve existing bicycle facilities
- Evaluation Criteria 2.2.1: Increase the share of people taking transit by investing in projects and programs that support TheBus, Handi-Van, and Rail
- Evaluation Criteria 2.3.1: Decrease the share of people driving alone by investing in projects and programs that encourage people not to drive alone
- Evaluation Criteria 6.1.1: Improve freight reliability by investing in projects on designated freight routes and programs that intend on improving freight reliability
- Evaluation Criteria 3.1.1: Increase pedestrian, bicycle, and transit options for mobility constrained populations by investing in pedestrian, bicycle, and transit projects and programs that serve those populations
- Evaluation Criteria 6.1.2: Improve reliability of Interstate and Non-Interstate highways, freight networks, and transit by investing in projects and programs with the intent of reducing and/or managing non-recurring congestion and transit delays
- Evaluation Criteria 6.2.1: Improve efficiency by investing in projects on congested corridors, and corridors with high numbers of transit trips per hour, projects that improve the efficiency of transit, and programs that intend on improving the efficiency of the transportation system

The figures below show the number of programs/projects and the total programmed funds by performance management category.



Highway Safety Targets

The OahuMPO in coordination with the HDOT is required to set annual targets based on a 5-year rolling average for the following five Highway Safety performance measures:

- Number of Fatalities
- Fatality Rate per 100 million Vehicle Miles Traveled (VMT)
- Number of Serious Injuries
- Rate of Serious Injuries per 100 million Vehicle Miles Traveled (VMT)
- Number of Non-Motorized Fatalities and Serious Injuries

In January 2023, the OahuMPO Policy Board approved the following Highway Safety performance targets:

Performance Measure	2023 Target (5-Year Average)
Number of Fatalities	50.2 / Year
Fatality Rate per 100 million VMT	0.847
Number of Serious Injuries	243.9 / Year
Rate of Serious Injuries per 100 million VMT	4.125
Number of Non-Motorized Fatalities and Serious Injuries	86.1 / Year

Of the 91 total programs/projects, 25 projects or roughly 27 percent of the total programs/projects are expected to help achieve the Highway Safety targets and are listed below.

Project #	Project Name	Project Description	FFY 2022-2025 Total (x1000)
OC10	Traffic Signals at Various Locations	Install and upgrade traffic signals island wide including ADA improvements, signs and markings, and interties.	\$15,100
OC2	Bikeway Improvements Program	An on-going islandwide program for the implementation of the Oahu Bicycle Master Plan improvements, the development of new projects, and the upgrade of existing bicycle projects.	\$8,318
OC-21-54	Kalaeloa Boulevard Railroad Improvements	Design and install a railroad traffic signal and traffic camera at the railroad crossing on Kalaeloa Blvd.	\$1,480
OC25	Transportation Alternatives Program (MPO)	The Transportation Alternatives (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, and infrastructure projects	\$43,349
OC26	Transportation Alternative Program (State)	The Transportation Alternatives (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	\$19,267
OC8	Traffic Improvements at Various Locations	Provide traffic congestion relief and improve traffic safety at various locations, including but not limited to Mahoe/Waipahu Streets and Manager's Drive/Hiapo Street Intersection.	\$9,419
OS10	Guardrail and Shoulder Improvements, Various Locations	Install and upgrade guardrails to bridge end post connections, bridge railing, guardrail end terminals, crash attenuators, miscellaneous drainage, and other appurtenant improvements.	\$4,700
OS14	Interstate Route H-1, Guardrail and Shoulder Improvements, Kapiolani Interchange to Ainakoa Avenue, Phase 2	Install and/or upgrade existing guardrails, crash cushions, and concrete barriers to meet current standards. Upgrade lighting and make bike improvements near the beginning of the H-1 on ramp in the vicinity of Ainakoa Avenue to fill a gap in the bike syst	\$15,000
OS20	Interstate Route H-1 Safety Improvements, Beginning of H-1 (Palailai Interchange) to Waiawa Overpass	Scope includes but is not limited to: Installation of milled rumble strips on shoulders; reconstruction of paved shoulders; pavement markings; and signing.	\$0
OS-21-44	Pali Highway, Rockfall Mitigation, Vicinity of MP 6.10 to MP 6.55	Rockfall protection/mitigation to be determined following an EA.	\$1,695
OS-21-47	Interstate Route H-1 Highway Lighting Improvements, Kaimakani Overpass to Gulick Avenue	Upgrade highway lighting to standards. 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.	\$30,000
OS-21-53	Farrington Highway Widening, Helelua to Mohihi	A 5th lane will be installed on Farrington Highway, from Helelua Street to Mohihi Street. The lane will be used as a turnout lane and as a contraflow lane during peak travel times. Includes reconstructing the roadway and installing signs, striping and pav	\$32,000

Project #	Project Name	Project Description	FFY 2022-2025 Total (x1000)
OS-21-57	Fort Barrette Road Railroad Crossing Improvements	The project includes upgrading the existing railroad crossing from asphalt to concrete, replacing the existing wooden tracks and ties, and installing new automated crossing gates and signals which will be synced with the new traffic signal at Roosevelt Av	\$2,300
OS-22-58	High Friction Surface Treatment on Highway Ramps, Oahu	Installation of high friction surface treatments on 8 ramps at various locations on Oahu.	\$2,200
OS-22-62	Farrington Highway (RTE 93) Sidewalk Improvements, Hakimo Rd to Nanakuli Ave, MP 6.89 to MP 5.06	Construct new PCC sidewalk and ramps, drainage facilities, utility relocations and adjustments, driveway adjustments, grade adjustment walls, modifications/adjustments to existing traffic appurtenances (signs, traffic signals, etc).	\$15,300
OS-22-64	Whitmore Ave (RTE 7012) Sidewalk Improvements, Phase 2, Ihiihi Ave to Whitmore Community Center, MP 0.72 to MP 1.04	Construct new PCC sidewalk and ramps, drainage facilities, utility relocations and adjustments, driveway adjustments.	\$2,800
OS44	Moanalua Freeway (Route 78) and Interstate Route H-2, Guardrail and Shoulder Improvements, Phase 2	Install and/or upgrade the existing guardrails. Reconstruct and pave road shoulders.	\$0
OS45	Moanalua Freeway (route H-201), Highway Lighting Improvements, Halawa Heights Off-Ramp to Middle Street Overpass	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).	\$0
OS46	Moanalua Freeway (Route H-201), Highway Lighting Improvements, MP 0 to MP 0.73 (Halawa to H-3 Freeway Overpass)	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.	\$0
OS69	Farrington Highway (Route 93), Safety Improvements, H-1 Freeway to Pohakunui Avenue	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; install	\$7,000
OS73	Likelike Highway (Route 63), Rehabilitation and Safety Improvements, Emmeline Place to Kahekili Highway	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	\$24,000
OS84	Kamehameha Highway (Route 83) Intersection Improvements at Kahekili Highway	Modify existing intersection and roadway approaches to a roundabout configuration. Improvement also includes a drainage system, curb and gutter, sidewalks, pavement markings and signing.	\$5,900
OS9	Freeway Service Patrol	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	\$16,000
OC-22-62	Kakaako Special District Roadway Improvement	Upgrade roads within the Kakaako Special District including Queen St, Kawaiahao St and Waimano St.	\$25,000

Project #	Project Name	Project Description	FFY 2022-2025 Total (x1000)
OC-22-63	Safe Streets and Roads for All (SS4A)	Program management, design, to install and upgrade sidewalks on City streets consistent with the Pedestrian Plan.	\$15,035
Total			\$295,863

Pavement and Bridge Condition Targets

The OahuMPO in coordination with the HDOT is required to set annual 2- and 4-year targets for the following six Pavement and Bridge Condition performance measures:

- Interstate Pavement in Good Condition (% Interstate Lane Miles)
- Interstate Pavement in Poor Condition (% Interstate Lane Miles)
- Non-Interstate National Highway System (NHS) Pavement in Good Condition (% Interstate Lane Miles)
- Non-Interstate National Highway System (NHS) Pavement in Poor Condition (% Interstate Lane Miles)
- National Highway System (NHS) Bridges in Good Condition (% Deck Area)
- National Highway System (NHS) Bridges in Poor Condition (% Deck Area)

In November 2018, the OahuMPO Policy Board approved the following Pavement and Bridge Condition targets:

Performance Measure	2020 Target (2-Year)	2022 Target (4-Year)
Interstate Pavement in Good Condition (% Interstate Lane Miles)	7%	7%
Interstate Pavement in Poor Condition (% Interstate Lane Miles)	4%	4%
Non-Interstate National Highway System (NHS) Pavement in Good Condition (% Interstate Lane Miles)	15%	15%
Non-Interstate National Highway System (NHS) Pavement in Poor Condition (% Interstate Lane Miles)	4%	4%
National Highway System (NHS) Bridges in Good Condition (% Deck Area)	20%	20%
National Highway System (NHS) Bridges in Poor Condition (% Deck Area)	2%	2%

Of the 91 total programs/projects, 6 projects or roughly 7 percent of the total programs/projects are expected to help achieve the Pavement Condition targets and are listed below.

Project #	Project Name	Project Description	FFY 2022-2025 Total (x1000)
OS1	Bridge and Pavement Improvement Program, Oahu	System maintenance of highway bridges and pavements. Work may include bridge and/or pavement reconstruction, resurfacing, restoration, rehabilitation and/or preservation.	\$84,000
OS26	Kalanianaʻole Highway (Route 72) Resurfacing, Poalima Street to Vicinity of Makai Pier	Roadway resurfacing of Kalanianaʻole Highway from Poalima Street to Vicinity of Makai Pier.	\$0
OS62	Pali Hwy (Rte 61) Resurfacing & Lighting Improvements, Vineyard Blvd (Rte 98) to Kamehameha Hwy (Rte 83)	Scope of work includes but is not limited to cold planning, resurfacing, reconstruction of weakened pavement, installation of new highway lighting, construction of concrete median barriers, replacement of guardrails in-kind and end treatments, installatio	\$0
OS67	Interstate Route H-1, Reconstruction and Repair, Eastbound, Waimalu Interchange to Halawa	Rehabilitate or reconstruct Portland concrete pavement. Widen to improve shoulders and travel way.	\$0
OS79	Shoreline Protection/Mitigation Program	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.	\$48,210
OC-22-62	Kakaako Special District Roadway Improvement	Upgrade roads within the Kakaako Special District including Queen St, Kawaiahao St and Waimano St.	\$25,000
Total			\$157,210

Of the 91 total programs/projects, 21 projects or roughly 23 percent of the total programs/projects are expected to help achieve the Bridge Condition targets and are listed below.

Project #	Project Name	Project Description	FFY 2022-2025 Total (x1000)
OC3	Bridge Inspection, Inventory, and Appraisal	Inventory, inspect, and appraise City bridges, including underwater inspection and scour survey.	\$11,213
OS1	Bridge and Pavement Improvement Program, Oahu	System maintenance of highway bridges and pavements. Work may include bridge and/or pavement reconstruction, resurfacing, restoration, rehabilitation and/or preservation.	\$84,000
OS-21-43	Kamehameha Highway (Route 99) Seismic Retrofit, Pearl Harbor Interchange, Structure #2	Retrofit interchange structures to meet current seismic standards. All bridges identified to be potentially vulnerable to earthquake damage/collapse need to be analyzed and designed for retrofitting strategies to prevent their collapse during a credible	\$1,214
OS-21-51	Moanalua Freeway, (Interstate Route H-201) Seismic Retrofit, Puuloa Interchange (Five Structures)	Retrofit interchange structures to meet current seismic standards. All bridges identified to be potentially vulnerable to earthquake damage/collapse need to be analyzed and designed for retrofitting strategies to prevent their collapse during a credible	\$1,050
OS-21-52	Likelike Highway (Route 63) Seismic Retrofit, Kalihi Stream Bridges	Retrofit bridge structures to meet current seismic standards. All bridges identified to be potentially vulnerable to earthquake damage/collapse need to be analyzed and designed for retrofitting strategies to prevent their collapse during a credible earthq	\$710
OS-22-61	Farrington Highway (Route 93) Bridge Rehabilitation, Ulehawa Stream Bridge	Rehabilitate the existing bridge	\$22,000
OS28	Kamehameha Highway (Route 83), Bridge Replacement, Kaipapau Stream Bridge	Replace the existing bridge on Kamehameha Highway.	\$0
OS29	Kamehameha Highway (Route 83), Bridge Replacement, Kaluanui Stream Bridge	Replace the existing bridge on Kamehameha Highway.	\$18,360
OS31	Kamehameha Highway (Route 83), Bridge Replacement, Laieloa Stream Bridge	Replace the existing concrete slab bridge on Kamehameha Highway in the vicinity of Laie.	\$15,015
OS34	Kamehameha Highway (Route 83), Bridge Replacement, Waiahole Stream Bridge	Replace the existing concrete structure on Kamehameha Highway. Bicycle and pedestrian facilities will be included when feasible.	\$16,422
OS36	Kamehameha Highway (Route 83), Bridge Replacement, Waipilopilo Stream Bridge	Replace the existing concrete T-bridge on Kamehameha Highway in the vicinity of Hauula.	\$11,000
OS4	Farrington Highway (Route 93), Bridge Replacement, Makaha Bridges #3 & #3A	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 bicyc	\$0
OS70	Interstate Route H-1, Seismic Retrofit, Waialae Viaduct	Retrofit interchange structures to meet current seismic standards.	\$7,245
OS71	Kamehameha Highway (Route 83), Bridge Rehabilitation, Paumalu Bridge	Rehabilitate the existing bridge on Kamehameha Highway.	\$1,450

Project #	Project Name	Project Description	FFY 2022-2025 Total (x1000)
OS72	Kamehameha Highway (Route 83), Bridge Replacement, Waimanana Bridge	Replace the existing bridge on Kamehameha Highway.	\$2,489
OS74	Interstate Route H-1, Seismic Retrofit, McCully Street Separation	Retrofit interchange structures to meet current seismic standards.	\$897
OS76	Bridge Rehabilitation Program, Various Locations	This program will fund projects generated from the priorities identified in the Bridge Management System (BRM).	\$4,500
OS77	Bridge Replacement Program, Various Locations	This program will fund projects based on priorities generated from the Bridge Management System (BRM).	\$3,400
OS78	Bridge Seismic Retrofit Program, Various Locations	This program will fund projects based on priorities generated from the Seismic Retrofit program.	\$7,400
OS82	Interstate Route H-1 Improvements, Eastbound, Ola Lane Overpass to Vineyard Boulevard	Eastbound Operational/congestion improvements, and structural improvements to bridges within the limits.	\$84,000
OC-22-65	Bridge Program	Demolition and replacement of the existing four (4)-span concrete bridge on Waialua Beach Road crossing Kiikii Stream.	\$2,000
Total			\$294,365

System Performance Targets

The OahuMPO in coordination with the HDOT is required to set annual 2- and 4-year targets for the following three System Performance measures:

- Interstate Highway Reliable Person-Miles Traveled (% of Interstate Highway reliable Person-Miles Traveled)
- Non-Interstate National Highway System (NHS) Reliable Person-Miles Traveled (% of Non-Interstate NHS reliable Person-Miles Traveled)
- Interstate Highway Truck Travel Time Reliability (TTTR) Index

In November 2018, the OahuMPO Policy Board approved the following System Performance targets:

Performance Measure	2020 Target (2-Year)	2022 Target (4-Year)
Interstate Highway Reliable Person-Miles Traveled (% of Interstate Highway reliable Person-Miles Traveled)	70%	74%
Non-Interstate National Highway System (NHS) Reliable Person-Miles Traveled (% of Non-Interstate NHS reliable Person-Miles Traveled)	N/A	70%
Interstate Highway Truck Travel Time Reliability (TTTR) Index	2.75	2.75

Of the 91 total programs/projects, 35 projects or roughly 38 percent of the total programs/projects are expected to help achieve the Level of Travel Time Reliability (LOTR) targets and are listed below.

Project #	Project Name	Project Description	FFY 2022-2025 Total (x1000)
OC1	Alapai Transportation Management Center Operations	Operations and management for the joint communications center behind the Alapai Transit Center which holds City, State & emergency response agencies.	\$1,139
OC10	Traffic Signals at Various Locations	Install and upgrade traffic signals island wide including ADA improvements, signs and markings, and interties.	\$15,100
OC2	Bikeway Improvements Program	An on-going islandwide program for the implementation of the Oahu Bicycle Master Plan improvements, the development of new projects, and the upgrade of existing bicycle projects.	\$8,318
OC-21-54	Kalaehoa Boulevard Railroad Improvements	Design and install a railroad traffic signal and traffic camera at the railroad crossing on Kalaehoa Blvd.	\$1,480
OC-21-55	Oahu Traffic Signal Controller Modernization	To construct and inspect related equipment for approximately 150 traffic signalized intersections	\$16,251
OC23	Salt Lake Boulevard Widening, Phase 3B	To widen the remaining unimproved section of Salt Lake Boulevard stretching 1 mile from Maluna Street to Ala Liliko Street. 3B is intended to complete the overall road improvement project and provide multi-lanes of roadway capacity for the entire length	\$32,050
OC25	Transportation Alternatives Program (MPO)	The Transportation Alternatives (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, and infrastructure projects	\$43,349
OC26	Transportation Alternative Program (State)	The Transportation Alternatives (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	\$19,267
OC4	Computerized Traffic Control System	Upgrade and expand fiber optic lines, CCTV cameras, data collection, and signal control in urban and rural areas for connection to the Traffic Control Center.	\$1,553
OC8	Traffic Improvements at Various Locations	Provide traffic congestion relief and improve traffic safety at various locations, including but not limited to Mahoe/Waipahu Streets and Manager's Drive/Hiapo Street Intersection.	\$9,419
OS11	ITS Operation and Maintenance	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.	\$2,000
OS12	Destination Sign, Upgrade and Replacement	Replace and/or upgrade the existing destination signs and sign support structures on Interstate Routes H-1, H-2, H-201, and Pali Highway.	\$35,789
OS17	Interstate Route H-1, Kapolei Interchange Complex, Phase 3	Phase 3 scope of work is widening Farrington Highway, enlarging the H-1 Freeway loop off-ramp to Kalaehoa Blvd, construct the Mauka Frontage Road from Makakilo Drive to Kapolei Interchange, and construct the Palailai Interchange.	\$47,000

Project #	Project Name	Project Description	FFY 2022-2025 Total (x1000)
OS-21-44	Pali Highway, Rockfall Mitigation, Vicinity of MP 6.10 to MP 6.55	Rockfall protection/mitigation to be determined following an EA.	\$1,695
OS-21-45	Pali Highway, Rockfall Mitigation, Vicinity of MP 5.90 to MP 6.10	Rockfall protection/mitigation to be determined following an EA.	\$635
OS-21-46	Interstate Route H-1, Kunia Interchange Improvements	Improve capacity and congestion at Kunia Interchange due to the following issues: 1. Bottlenecks at high volume ramps due to merging or diverging of traffic from the mainline to/from the interchange ramp; and 2. A heavy mauka bound right turn movement	\$15,500
OS-21-49	Harbor Access Road (Route 94)	Scope could include but is not limited to the design and construction of new 4 lane divided concrete roadway, auxiliary lanes, sidewalks, bike lanes, traffic signals, intersections, associated utilities, grading, landscaping, and connections to future Cit	\$7,000
OS-21-53	Farrington Highway Widening, Helelua to Mohihi	A 5th lane will be installed on Farrington Highway, from Helelua Street to Mohihi Street. The lane will be used as a turnout lane and as a contraflow lane during peak travel times. Includes reconstructing the roadway and installing signs, striping and pav	\$32,000
OS-22-60	Adaptive Traffic Signal Control Technology & Traffic Signal Controller Installation at Various Locations, Oahu	Implement Adaptive Traffic Control Systems (ATCS) at various locations on Oahu. ATCS are a potential method of dealing with congestion, which adjusts signal timing to accommodate changing traffic patterns. Work may include providing and installing hardwar	\$37,289
OS-22-62	Farrington Highway (RTE 93) Sidewalk Improvements, Hakimo Rd to Nanakuli Ave, MP 6.89 to MP 5.06	Construct new PCC sidewalk and ramps, drainage facilities, utility relocations and adjustments, driveway adjustments, grade adjustment walls, modifications/adjustments to existing traffic appurtenances (signs, traffic signals, etc).	\$15,300
OS43	Leeward Bikeway, Philippine Sea Road to Waipahu Depot Street	Improve the bikeway/bike path from Philippine Sea Road to Waipahu Depot Street.	\$0
OS5	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78)	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 Cont	\$15,072
OS57	Freeway Management System, Joint Traffic Management Center Operations (State)	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 footag	\$1,400
OS61	Kamehameha Highway (Route 83) Realignment, Vicinity of Kawailoa Beach	Realign a portion of Kamehameha Highway, on the North Shore. The project proposes to construct a realignment of Kamehameha Highway, from Haleiwa to the vicinity of Waimea Bay to address safety issues that revolve around use of the beach.	\$1,020
OS63	Traffic Counting Stations at Various Locations, Oahu	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	\$2,809
OS67	Interstate Route H-1, Reconstruction and Repair, Eastbound, Waimalu Interchange to Halawa	Rehabilitate or reconstruct Portland concrete pavement. Widen to improve shoulders and travel way.	\$0

Project #	Project Name	Project Description	FFY 2022-2025 Total (x1000)
OS75	Kamehameha Highway (Route 83), Rockfall Protection, Waimea Bay	Construct various rockfall/slope protection and slope stabilization mitigation measures.	\$22,393
OS79	Shoreline Protection/Mitigation Program	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.	\$48,210
OS80	Traffic signal Modernization at Various Locations, Ph2	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 o	\$5,000
OS82	Interstate Route H-1 Improvements, Eastbound, Ola Lane Overpass to Vineyard Boulevard	Eastbound Operational/congestion improvements, and structural improvements to bridges within the limits.	\$84,000
OS84	Kamehameha Highway (Route 83) Intersection Improvements at Kahekili Highway	Modify existing intersection and roadway approaches to a roundabout configuration. Improvement also includes a drainage system, curb and gutter, sidewalks, pavement markings and signing.	\$5,900
OS9	Freeway Service Patrol	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	\$16,000
OC-22-60	Capital Infrastructure Program	Plan, design, construct, inspect and provide related equipment for City projects of regional significance. Projects may be flexed from FHWA to FTA.	\$131,250
OC-22-61	Honolulu Transportation Demand Management (TDM) Plan	Program to support implementation of the Transportation Demand Management (TDM) Work Action Program.	\$2,000
OC-22-62	Kakaako Special District Roadway Improvement	Upgrade roads within the Kakaako Special District including Queen St, Kawaiahao St and Waimano St.	\$25,000
Total			\$702,188

Of the 91 total programs/projects, 4 projects or roughly 4 percent of the total programs/projects are expected to help achieve the Truck Travel Time Reliability (TTTR) targets and are listed below.

Project #	Project Name	Project Description	FFY 2022-2025 Total (x1000)
OC1	Alapai Transportation Management Center Operations	Operations and management for the joint communications center behind the Alapai Transit Center which holds City, State & emergency response agencies.	\$1,139
OC-21-55	Oahu Traffic Signal Controller Modernization	To construct and inspect related equipment for approximately 150 traffic signalized intersections	\$16,251
OC4	Computerized Traffic Control System	Upgrade and expand fiber optic lines, CCTV cameras, data collection, and signal control in urban and rural areas for connection to the Traffic Control Center.	\$1,553
OS-21-49	Harbor Access Road (Route 94)	Scope could include but is not limited to the design and construction of new 4 lane divided concrete roadway, auxiliary lanes, sidewalks, bike lanes, traffic signals, intersections, associated utilities, grading, landscaping, and connections to future Cit	\$7,000
Total			\$25,943

Transit Safety Targets

The OahuMPO in coordination with the DTS is required to set annual targets for the following seven Transit Safety performance measures:

- Total Number of Fatalities by mode
- Rate of Fatalities per Total Vehicle Revenue Miles (VRM) by mode
- Total Number of Injuries by mode
- Rate of Injuries per Total Vehicle Revenue Miles (VRM) by mode
- Total Number of Safety Events by mode
- Rate of Safety Events per Total Vehicle Revenue Miles (VRM) by mode
- Mean Distance Between Major Mechanical Failures by mode (System Reliability)

In October 2020, the OahuMPO Policy Board approved the following Transit Safety performance targets:

Transit Mode	Annual Targets						
	Number of Fatalities	Rate of Fatalities per Total VRM	Number of Injuries	Rate of Injuries per Total VRM	Number of Safety Events	Rate of Safety Events per Total VRM	Mean Distance Between Major Mechanical Failures
Bus	0	0	109	0.5	122	0.56	10,556
Paratransit	0	0	12	0.155	15	0.196	15,846

Of the 91 total programs/projects, 4 projects or roughly 4 percent of the total programs/projects are expected to help achieve the Transit Safety targets and are listed below.

Project #	Project Name	Project Description	FFY 2022-2025 Total (x1000)
OC21	Transit Safety and Security Projects	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.	\$5,991
OS68	State Safety Oversight Program	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.	\$1,796
OC-22-60	Capital Infrastructure Program	Plan, design, construct, inspect and provide related equipment for City projects of regional significance. Projects may be flexed from FHWA to FTA.	\$131,250
OC-22-62	Kakaako Special District Roadway Improvement	Upgrade roads within the Kakaako Special District including Queen St, Kawaiahao St and Waimano St.	\$25,000
Total			\$164,037

Transit Asset Management (TAM) Targets

The OahuMPO in coordination with the DTS is required to establish annual targets for the following three Transit Asset Management (TAM) performance measures:

- Rolling Stock - % of revenue vehicles exceeding useful life benchmark (ULB)
- Equipment - % of non-revenue service vehicles exceeding useful life benchmark (ULB)
- Facilities - % of facilities rated under 3.0 on the Transit Economic Requirements Model (TERM) Scale

In January 2023, the OahuMPO Policy Board approved the following Transit Asset Management targets:

Asset Category	Performance Measure	Asset Class	Annual Target
Rolling Stock	% of revenue vehicles exceeding useful life benchmark (ULB)	Articulated Buses	17.12%
		Buses	29.27%
		Cutaway Buses	38.74%
		Vans	100.00%
Equipment	% of non-revenue service vehicles exceeding useful life benchmark (ULB)	Automobiles	100.00%
		Trucks and other rubber tire vehicles	31.34%
Facilities	% of facilities rated under 3.0 on the Transit Economic Requirements Model (TERM) Scale	Passenger facilities	0.00%
		Passenger parking facilities	0.00%
		Maintenance facilities	0.00%
		Administrative facilities	0.00%

Of the 91 total programs/projects, 5 projects or roughly 5 percent of the total programs/projects are expected to help achieve the Transit Asset Management targets and are listed below.

Project #	Project Name	Project Description	FFY 2022-2025 Total (x1000)
OC13	Bus and Handi-Van Acquisition Program	Purchase replacement transit buses and Handi-Van vehicles.	\$180,949
OC14	Bus Stop ADA Access and Site Improvements	To modify bus stops and bring them into compliance 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.	\$3,372
OC20	Preventive Maintenance	Preventive maintenance of FTA-funded rolling stock (buses and Handi-Vans) includes parts, labor, and other related expenses.	\$52,500
OC31	Middle Street Transit Center	Acquire property located at the Middle Street Transit Center, plan, and design the entire transit campus.	\$1,046
OS50	Transportation Assistance for Elderly and Disabled	Funds from the program will be utilized for the purchase of buses for paratransit services for seniors and individuals with disabilities.	\$3,240
Total			\$241,107

ANNUAL LISTING OF OBLIGATED PROJECTS

On an annual basis, no later than ninety calendar days following the end of the program year, the OahuMPO, HDOT, DTS, and HART cooperatively develops a listing of projects (including investments in pedestrian walkways and bicycle transportation facilities) for which FHWA and FTA funds were obligated in the preceding program year.

The listing identifies all federally funded projects authorized or revised to increase obligations in the preceding program year, the agencies responsible for carrying out the project or phase, and for each project, the amount of Federal funds requested in the TIP, the Federal funding that was obligated during the preceding year, and the Federal funding remaining and available for subsequent years.

The Annual Listing of Obligated Projects is available in [Appendix E](#).

CERTIFICATIONS

The OahuMPO self-certifies itself at least once every four years that the metropolitan transportation planning process is being carried out in accordance with all applicable Federal requirements.

The FHWA and the FTA also jointly reviews and evaluates the metropolitan transportation planning process of the OahuMPO at least once every four years to determine if the process meets all applicable Federal requirements as a designated TMA.

The self-certification and Federal certification are available in [Appendix F](#) and [Appendix G](#).

PROJECTS

The following project information sheets are grouped by the type of federal funding (e.g., FHWA) and project sponsor (e.g., HDOT) which correspond to the tables in the prior section.

FHWA Funded Projects: Hawaii Department of Transportation



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Project Description:

System maintenance of highway bridges and pavements. Work may include bridge and/or pavement reconstruction, resurfacing, restoration, rehabilitation and/or preservation.

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): Various Locations

Estimated Total Project Cost: \$126,000,000

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	21,000	0	21,000	21,000	0	21,000	21,000	0	21,000	21,000	0	21,000	21,000	0	21,000	21,000	0	21,000	Local
<i>Interstate H-1 Airport Viaduct Rehab</i>																			
ADVCON	0	1,187	-1,187	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
<i>Interstate H-1 Rehabilitation, Salt Lake Blvd to Airport Viaduct</i>																			
ADVCON	0	0	0	0	4,400	-4,400	0	0	0	0	0	0	0	0	0	0	0	0	Earmark
ADVCON	0	5,999	-5,999	0	0	0	0	2,600	-2,600	0	4,000	-4,000	0	4,000	-4,000	0	0	0	NHPP
<i>Interstate H-1 Resurfacing, Miller Ped Overpass to Kapiolani Interchange</i>																			
ADVCON	0	7,363	-7,363	0	4,000	-4,000	0	4,000	-4,000	0	4,000	-4,000	0	4,000	-4,000	0	4,000	-4,000	NHPP
<i>Kamehameha Hwy Rehabilitation, Vicinity of Kapuhi St to Dairy Rd, MP 5.94 to MP 9.72</i>																			
ADVCON	0	7,326	-7,326	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
<i>Kamehameha Hwy, Kanananui Rd and Wilikina Dr Rehabilitation</i>																			
ADVCON	0	11,000	-11,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
<i>Nimitz Hwy and Ala Moana Blvd Resurfacing, Sand Island Access Rd to Piikoi St</i>																			

OS1

Bridge and Pavement Improvement Program, Oahu

													FOR INFORMATION ONLY						Funding Category
FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027				
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																			
Nimitz Hwy and Ala Moana Blvd Resurfacing, Sand Island Access Rd to Piikoi St																			
ADVCON	0	5,169	-5,169	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP	
Total	21,000	38,044	-17,044	21,000	8,400	12,600	21,000	6,600	14,400	21,000	8,000	13,000	21,000	8,000	13,000	21,000	4,000	17,000	



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

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

Total Project Cost Notes:
(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			
	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)	
ADVCON	0	8,000	-8,000	0	2,000	-2,000	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Total	0	8,000	-8,000	0	2,000	-2,000	0	0	0	0	0	0	0	0	0	0	0	0	



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

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.

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.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Various Locations

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

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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																				
ADVCON	0	2,438	-2,438	0	3,000	-3,000	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Phase 3A																				
CON	2,500	1,000	1,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	1,000	-1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Phase 4																				
PE2	0	0	0	0	0	0	630	567	63	0	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	10,500	3,150	7,350	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	5,250	-5,250	0	0	0	0	NHPP
Phase 5																				
PE1	800	720	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
PE2	0	0	0	0	0	0	0	0	0	642	578	64	0	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	10,710	3,213	7,497	0	0	0	0	NHPP

OS5

Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78)

													FOR INFORMATION ONLY						
	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			
	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 5																			
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,250	-5,250	NHPP
Total	3,300	4,158	-858	0	4,000	-4,000	630	567	63	11,142	3,728	7,414	10,710	8,463	2,247	0	5,250	-5,250	



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
Total Project Cost Notes:
 (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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			
	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	4,000	3,600	400	4,000	3,600	400	4,000	3,600	400	4,000	3,600	400	4,000	3,600	400	4,000	3,600	400	NHPP
Total	4,000	3,600	400	4,000	3,600	400	4,000	3,600	400	4,000	3,600	400	4,000	3,600	400	4,000	3,600	400	

OS10 Guardrail and Shoulder Improvements, Various Locations



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

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: \$6,800,000

Total Project Cost Notes: over 6 years

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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																				
CON	500	400	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	HSIP
Phase 3																				
PE2	100	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	HSIP
CON	0	0	0	2,000	1,600	400	0	0	0	0	0	0	0	0	0	0	0	0	0	HSIP
Phase 4																				
PE2	0	0	0	0	0	0	100	0	100	0	0	0	0	0	0	0	0	0	0	HSIP
CON	0	0	0	0	0	0	0	0	0	2,000	1,600	400	0	0	0	0	0	0	0	HSIP
Phase 5																				
PE2	0	0	0	0	0	0	0	0	0	0	0	0	100	0	100	0	0	0	0	HSIP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,000	1,600	400	0	HSIP
Total	600	400	200	2,000	1,600	400	100	0	100	2,000	1,600	400	100	0	100	2,000	1,600	400	0	



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

Project will implement: Not applicable

Existing Feature/s: Not applicable

Project Website: None

Neighborhood(s): Various Locations

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

Total Project Cost Notes:

(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

[illegible]

OS12 Destination Sign, Upgrade and Replacement



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$42,346,000

Total Project Cost Notes:

(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

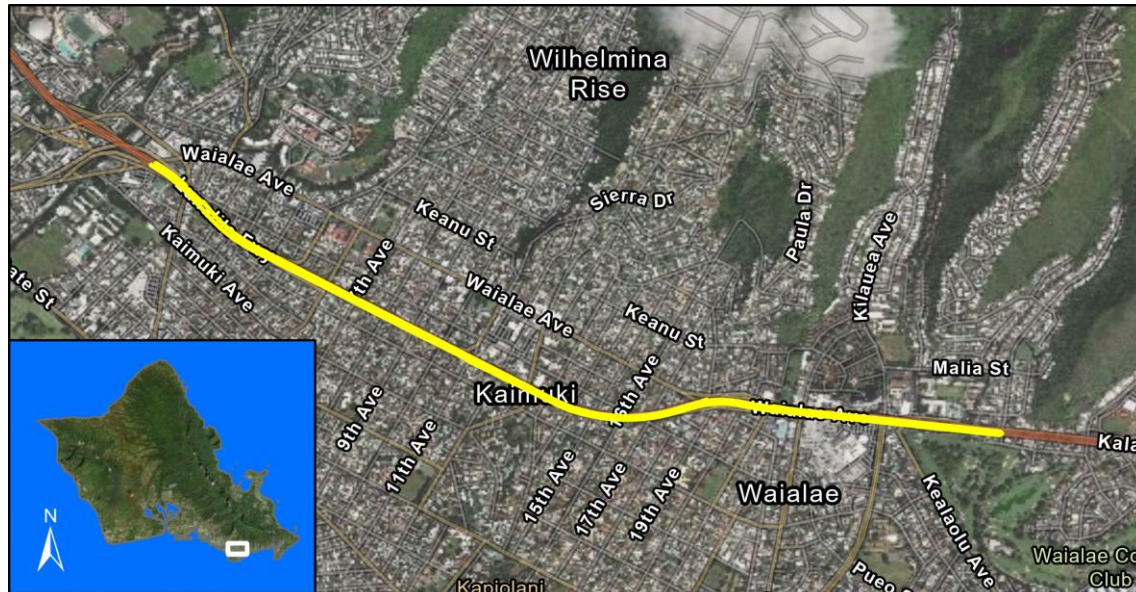
FOR INFORMATION ONLY

Phase	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	3,000	2,400	600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Phase 3A																			
CON	0	0	0	9,700	2,000	7,700	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	2,000	-2,000	0	3,760	-3,760	0	0	0	0	0	0	NHPP
Phase 3B																			
CON	0	0	0	0	0	0	0	0	0	10,500	2,100	8,400	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	3,000	-3,000	0	3,300	-3,300	NHPP
Phase 4																			
PE1	0	0	0	572	458	114	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
PE2	0	0	0	0	0	0	832	666	166	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	10,404	4,323	6,081	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	4,000	-4,000	0	0	0	NHPP
Phase 5																			
PE1	0	0	0	0	0	0	312	250	62	0	0	0	0	0	0	0	0	0	NHPP
PE2	0	0	0	0	0	0	0	0	0	469	375	94	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8,160	6,324	1,836	NHPP

OS12 Destination Sign, Upgrade and Replacement

													FOR INFORMATION ONLY						
	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			
	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 5																			
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Phase 6																			
PE1	0	0	0	0	0	0	0	0	0	0	0	0	877	789	88	0	0	0	NHPP
PE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,020	918	102	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Total	3,000	2,400	600	10,272	2,458	7,814	1,144	2,916	-1,772	21,373	10,558	10,815	877	7,789	-6,912	9,180	10,542	-1,362	

OS14 Interstate Route H-1, Guardrail and Shoulder Improvements, Kapiolani Interchange to Ainakoa Avenue, Phase 2



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Project Description:

Install and/or upgrade existing guardrails, crash cushions, and concrete barriers to meet current standards. Upgrade lighting and make bike improvements near the beginning of the H-1 on ramp in the vicinity of Ainakoa Avenue to fill a gap in the bike system.

Mile Post/s: MP 25.24 to MP 27.16

Complete Streets (CS):

Project will implement: No information available.

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: \$22,550,000

Total Project Cost Notes:

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

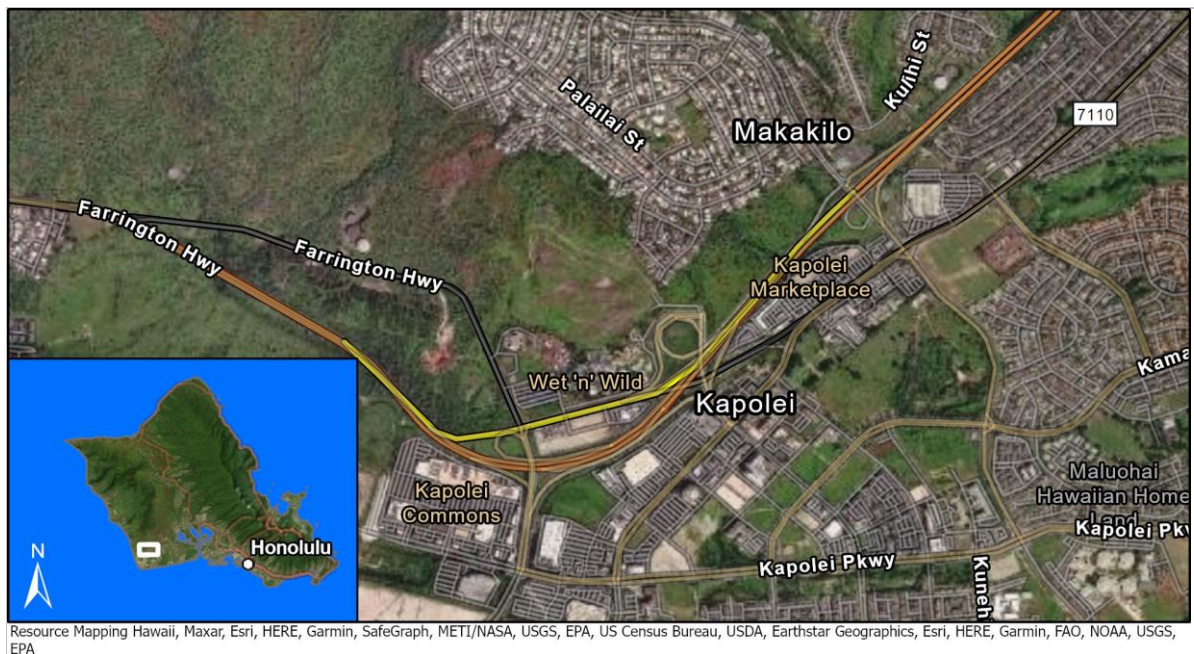
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:

Hawaii Department of Transportation

FOR INFORMATION ONLY

Phase	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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																			
ADVCON	0	1,050	-1,050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Phase 2																			
CON	0	0	0	15,000	1,000	14,000	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	4,000	-4,000	0	4,000	-4,000	0	3,000	-3,000	0	0	0	NHPP
Total	0	1,050	-1,050	15,000	1,000	14,000	0	4,000	-4,000	0	4,000	-4,000	0	3,000	-3,000	0	0	0	



Project Description:

Phase 3 scope of work is widening Farrington Highway, enlarging the H-1 Freeway loop off-ramp to Kalaheo Blvd, construct the Mauka Frontage Road from Makakilo Drive to Kapolei Interchange, and construct the Palailai Interchange.

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.

Project Website: None

Neighborhood(s): Makakilo-Kapolei-Honokai Hale

Estimated Total Project Cost: \$139,000,000

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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																			
CON	47,000	9,100	37,900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	4,000	-4,000	0	6,500	-6,500	0	5,000	-5,000	0	5,000	-5,000	0	5,000	-5,000	NHPP
Total	47,000	9,100	37,900	0	4,000	-4,000	0	6,500	-6,500	0	5,000	-5,000	0	5,000	-5,000	0	5,000	-5,000	

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



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	4,107	-4,107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	HSIP
Total	0	4,107	-4,107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

OS26 Kalanianaʻole Highway (Route 72) Resurfacing, Poalima Street to Vicinity of Makai Pier



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

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.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Waimanalo

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

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	3,000	-3,000	0	3,000	-3,000	0	3,000	-3,000	0	0	0	0	0	0	0	0	0	NHPP
Total	0	3,000	-3,000	0	3,000	-3,000	0	3,000	-3,000	0	0	0	0	0	0	0	0	0	



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

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

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	3,400	-3,400	0	3,000	-3,000	0	5,000	-5,000	0	0	0	0	0	0	0	0	0	NHPP
Total	0	3,400	-3,400	0	3,000	-3,000	0	5,000	-5,000	0	0	0	0	0	0	0	0	0	

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



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

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.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Koolauloa

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

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	18,360	1,688	16,672	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	3,000	-3,000	0	3,000	-3,000	0	3,000	-3,000	0	4,000	-4,000	NHPP
Total	0	0	0	18,360	1,688	16,672	0	3,000	-3,000	0	3,000	-3,000	0	3,000	-3,000	0	4,000	-4,000	

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



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

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.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Koolauloa

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

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	735	588	147	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	14,280	1,124	13,156	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	2,300	-2,300	0	4,000	-4,000	0	4,000	-4,000	0	0	0	NHPP
Total	0	0	0	15,015	1,712	13,303	0	2,300	-2,300	0	4,000	-4,000	0	4,000	-4,000	0	0	0	

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



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

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

Total Project Cost Notes:

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

Project Sponsor: State of Hawaii (FHWA Funded)

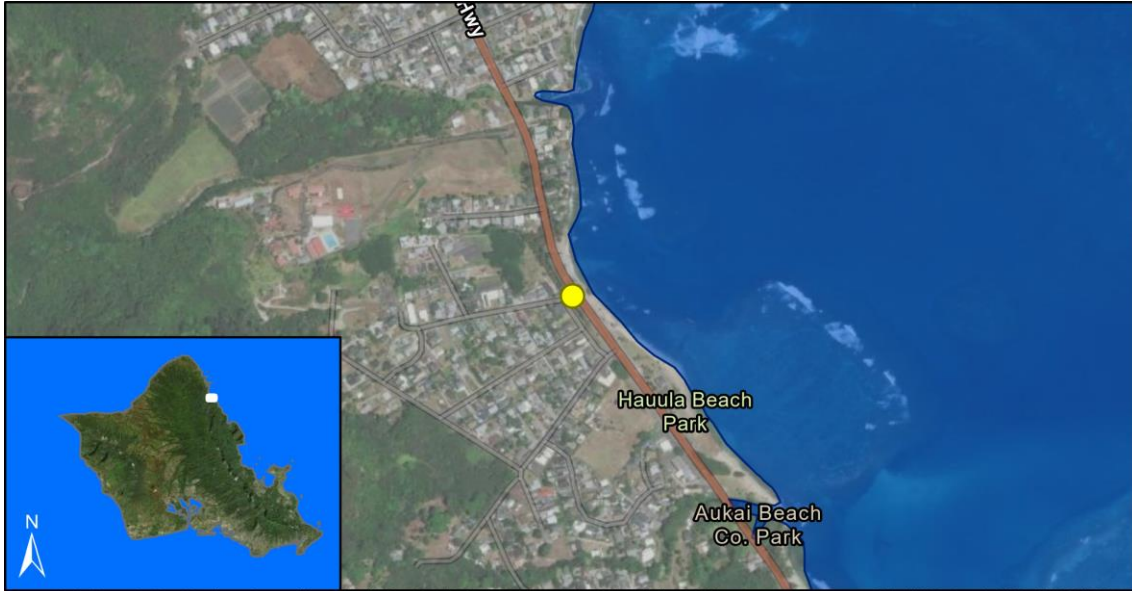
Agency Responsible for Carrying Out Project/Phase:

Hawaii Department of Transportation

FOR INFORMATION ONLY

Phase	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	612	490	122	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	15,810	2,648	13,162	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	5,000	-5,000	0	0	0	0	0	0	NHPP
Total	0	0	0	16,422	3,138	13,284	0	5,000	-5,000	0	5,000	-5,000	0	0	0	0	0	0	

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



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

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.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Koolauloa

Estimated Total Project Cost: \$12,300,000

Total Project Cost Notes:

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

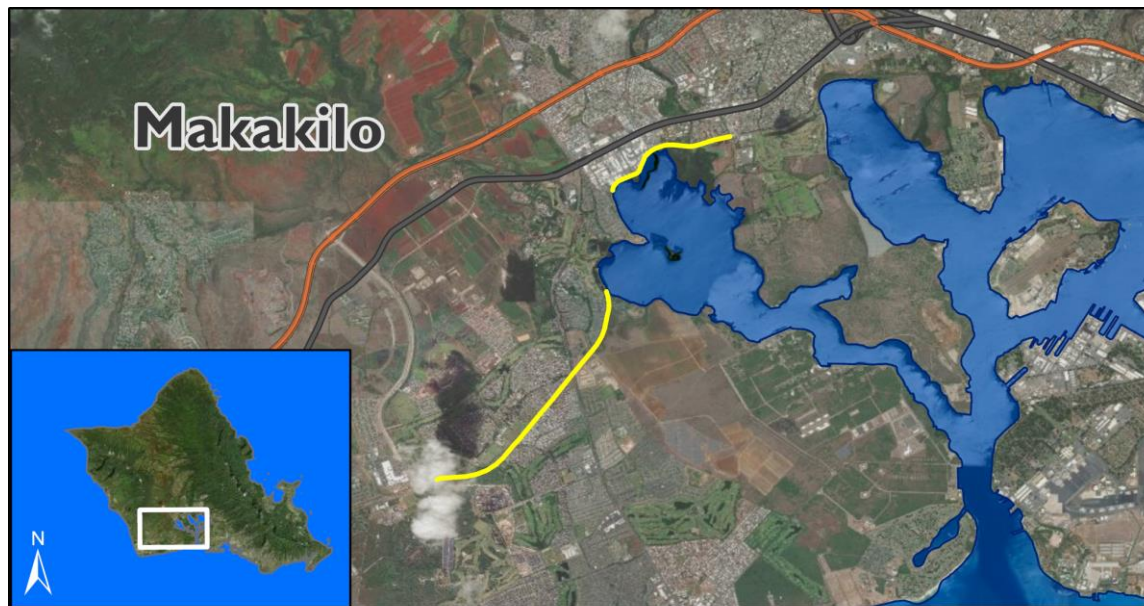
Project Sponsor: State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:

Hawaii Department of Transportation

FOR INFORMATION ONLY

Phase	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	1,000	800	200	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	10,000	2,000	8,000	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	4,000	-4,000	0	2,000	-2,000	0	0	0	0	0	0	NHPP
Total	0	0	0	11,000	2,800	8,200	0	4,000	-4,000	0	2,000	-2,000	0	0	0	0	0	0	



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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

Total Project Cost Notes:

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

Project Sponsor: State of Hawaii (FHWA Funded)

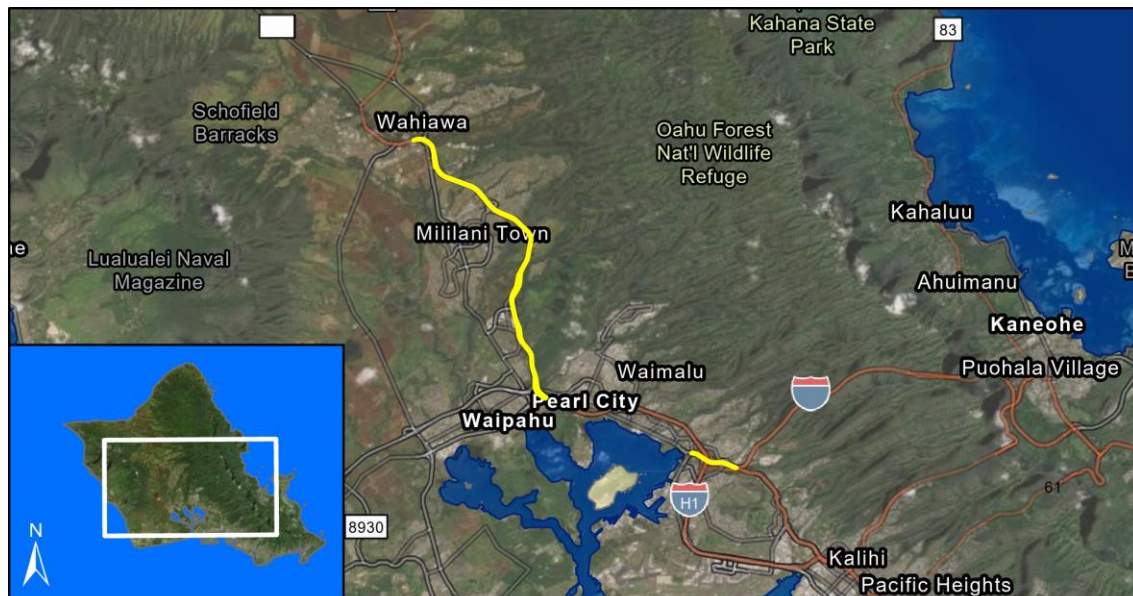
Agency Responsible for Carrying Out Project/Phase:

Hawaii Department of Transportation

FOR INFORMATION ONLY

Phase	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	3,457	-3,457	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Enhance
Total	0	3,457	-3,457	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

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



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

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

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	7,700	-7,700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Total	0	7,700	-7,700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

OS45 Moanalua Freeway (route H-201), Highway Lighting Improvements, Halawa Heights Off-Ramp to Middle Street Overpass



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

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: \$22,000,000

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	7,000	-7,000	0	3,000	-3,000	0	3,000	-3,000	0	0	0	0	0	0	0	0	0	NHPP
Total	0	7,000	-7,000	0	3,000	-3,000	0	3,000	-3,000	0	0	0	0	0	0	0	0	0	



Project Description:
 Installation of new highway lighting system consist of new light poles and conduits, LED fixtures, trenching for conduits, conducts, 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: None

Neighborhood(s): Aiea

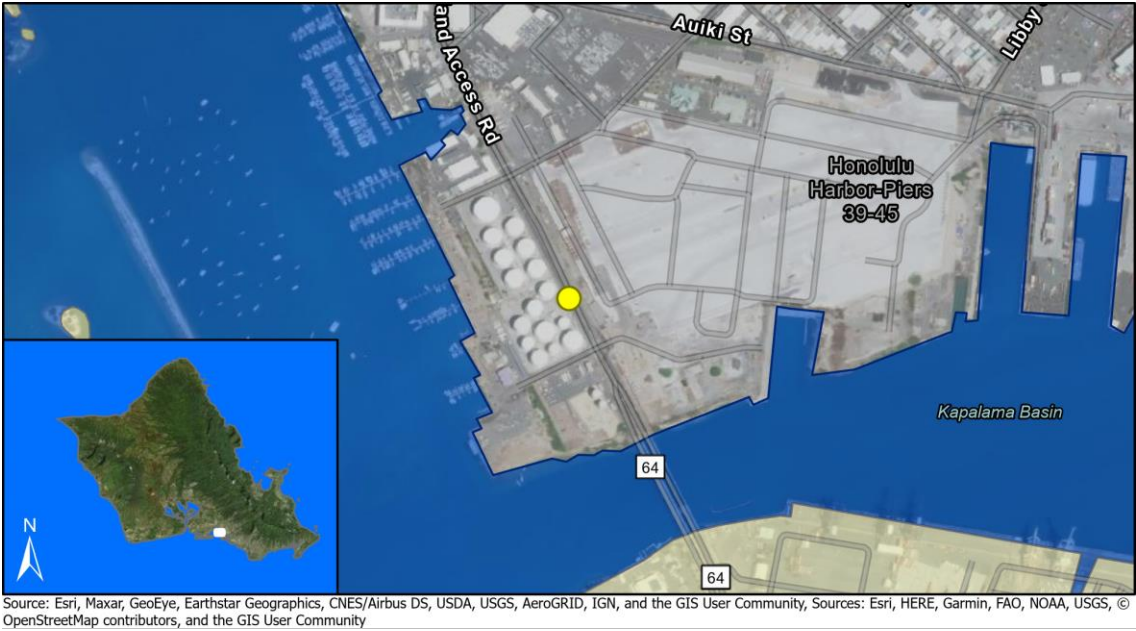
Estimated Total Project Cost: \$9,500,000

Total Project Cost Notes:
 (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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			
	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)	
ADVCON	0	7,000	-7,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Total	0	7,000	-7,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	



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

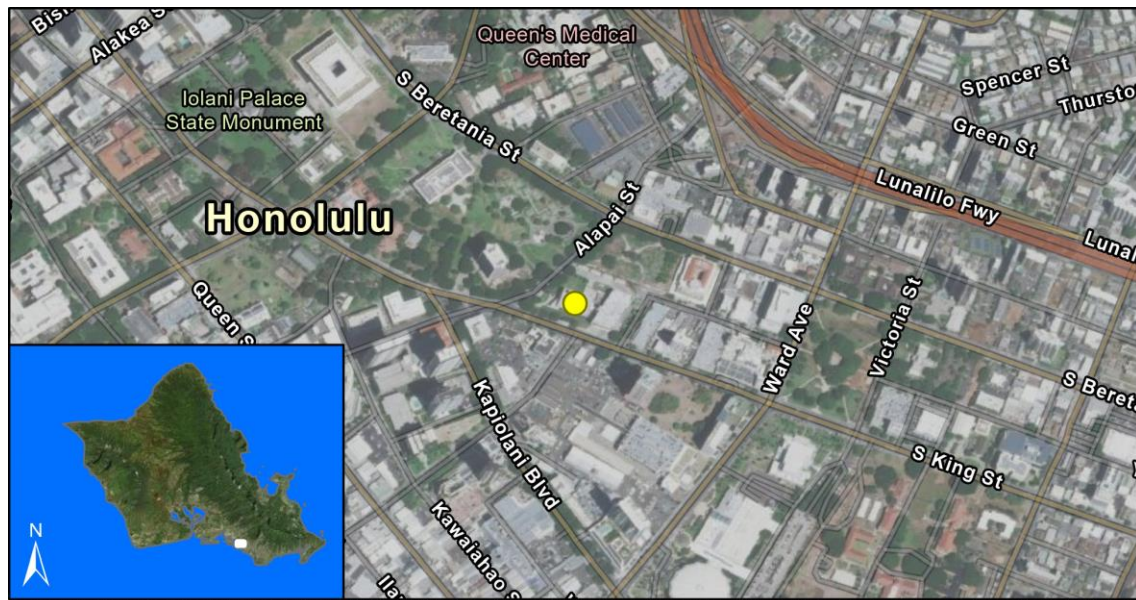
Estimated Total Project Cost: \$11,000,000

Total Project Cost Notes:
(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			
	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)	
ADVCON	0	3,000	-3,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Total	0	3,000	-3,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

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

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	350	280	70	350	280	70	350	280	70	350	280	70	350	280	70	350	280	70	NHPP
Total	350	280	70	350	280	70	350	280	70	350	280	70	350	280	70	350	280	70	



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

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

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): North Shore

Estimated Total Project Cost: \$19,000,000

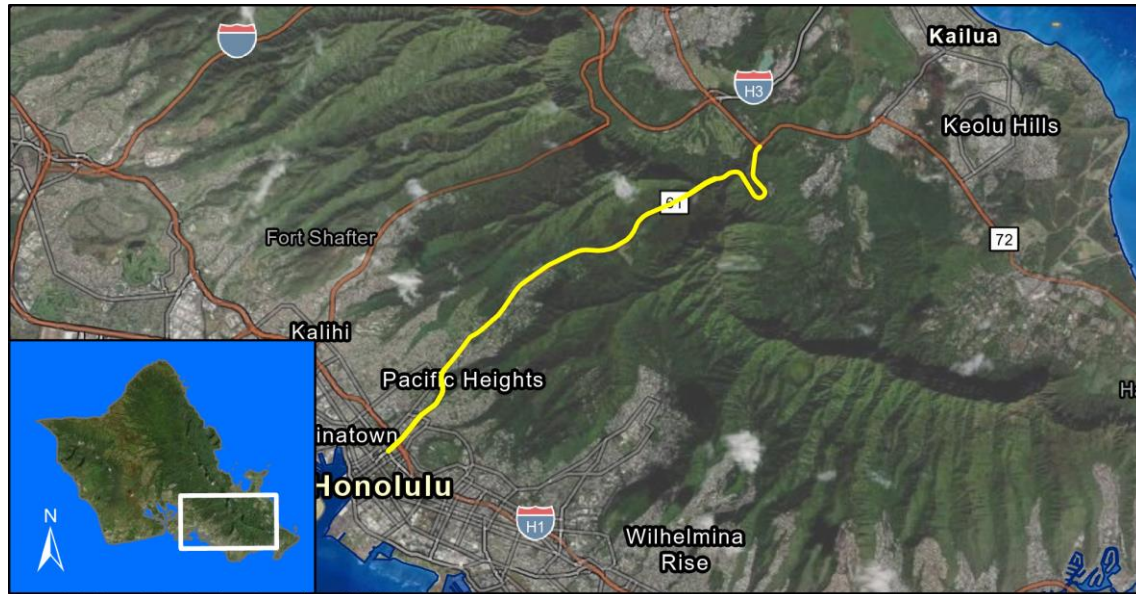
Total Project Cost Notes:
(May include project costs outside of the 4-year TIP and 2 informational years.)

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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			
	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)	
ROW	0	0	0	1,020	0	1,020	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Total	0	0	0	1,020	0	1,020	0	0	0	0	0	0	0	0	0	0	0	0	

OS62 Pali Hwy (Rte 61) Resurfacing & Lighting Improvements, Vineyard Blvd (Rte 98) to Kamehameha Hwy (Rte 83)



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Project Description:

Scope of work includes but is not limited to cold planning, 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.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Nuuanu-Punchbowl

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

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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 Blvd to Kamehameha Hwy & Resurf. Waokanaka St. to Kamehameha Hwy																			
ADVCON	0	2,150	-2,150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Phase 2 - Resurfacing, Vineyard Blvd to Waokanaka St																			
ADVCON	0	7,000	-7,000	0	3,000	-3,000	0	4,000	-4,000	0	5,000	-5,000	0	8,000	-8,000	0	0	0	NHPP
Total	0	9,150	-9,150	0	3,000	-3,000	0	4,000	-4,000	0	5,000	-5,000	0	8,000	-8,000	0	0	0	



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	2,809	247	2,562	0	0	0	0	0	0	0	0	0	STBG
ADVCON	0	0	0	0	0	0	0	0	0	0	2,000	-2,000	0	0	0	0	0	0	STBG
Total	0	0	0	0	0	0	2,809	247	2,562	0	2,000	-2,000	0	0	0	0	0	0	

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



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

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

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	300	-300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Total	0	300	-300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Project Description:
 Scope includes, but is not limited to, the installation of milled rumble strips or rumble edge strips 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.
Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Waianae Coast

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

Total Project Cost Notes:
(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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)	
CON	7,000	6,300	700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	HSIP
Total	7,000	6,300	700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

OS70 Interstate Route H-1, Seismic Retrofit, Waialae Viaduct



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

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

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	1,020	816	204	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	6,225	1,980	4,245	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	1,020	816	204	6,225	1,980	4,245	0	3,000	-3,000	0	0	0	0	0	0	

OS71 Kamehameha Highway (Route 83), Bridge Rehabilitation, Paumalu Bridge



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

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: None

Neighborhood(s): North Shore

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

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	1,000	800	200	0	0	0	0	0	0	0	0	0	NHPP
PE2	0	0	0	0	0	0	0	0	0	450	360	90	0	0	0	0	0	0	NHPP
ROW	0	0	0	0	0	0	0	0	0	0	0	0	600	480	120	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,000	8,000	2,000	NHPP
Total	0	0	0	0	0	0	1,000	800	200	450	360	90	600	480	120	10,000	8,000	2,000	

OS72 Kamehameha Highway (Route 83), Bridge Replacement, Waimanana Bridge



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

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.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Koolauloa

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

Total Project Cost Notes:

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

Project Sponsor: State of Hawaii (FHWA Funded)

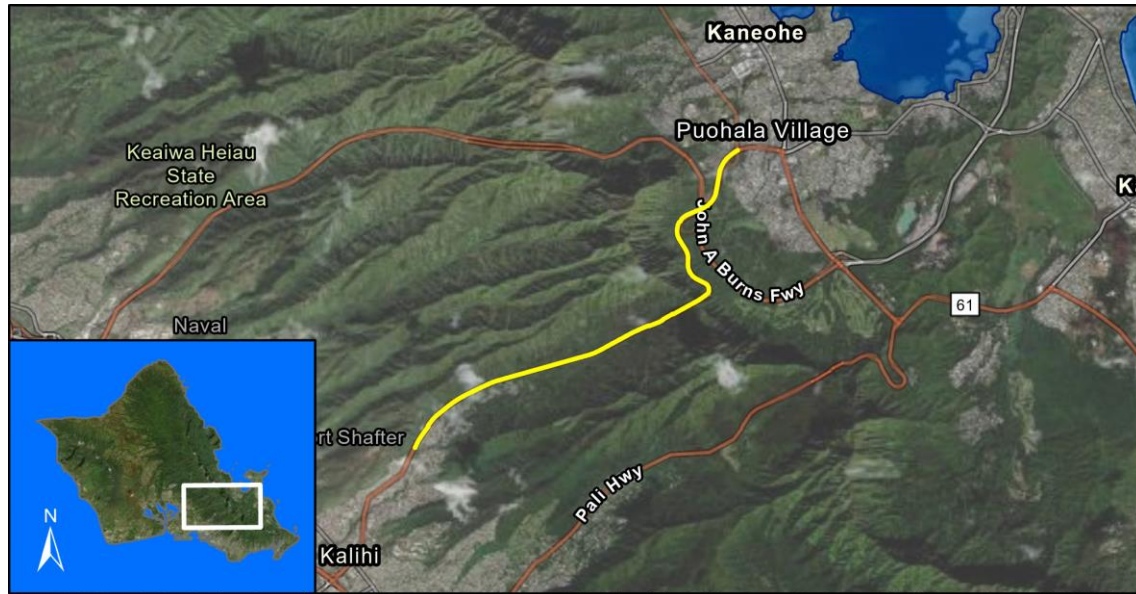
Agency Responsible for Carrying Out Project/Phase:

Hawaii Department of Transportation

FOR INFORMATION ONLY

Phase	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	698	558	140	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
PE2	0	0	0	0	0	0	998	798	200	0	0	0	0	0	0	0	0	0	NHPP
ROW	0	0	0	0	0	0	0	0	0	793	634	159	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,660	4,578	5,082	NHPP
Total	0	0	0	698	558	140	998	798	200	793	634	159	0	0	0	9,660	4,578	5,082	

OS73 Likelike Highway (Route 63), Rehabilitation and Safety Improvements, Emmeline Place to Kahekili Highway



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

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: \$25,000,000

Total Project Cost Notes:

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

Project Sponsor: State of Hawaii (FHWA Funded)

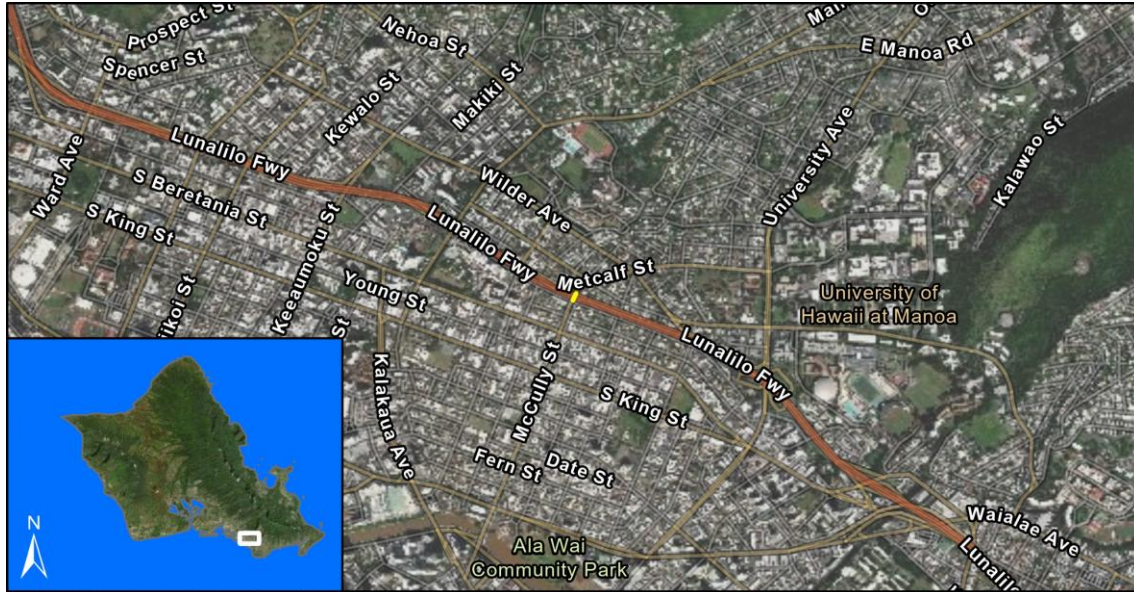
Agency Responsible for Carrying Out Project/Phase:

Hawaii Department of Transportation

FOR INFORMATION ONLY

Phase	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	6,000	4,800	1,200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	HSIP
CON	18,000	7,400	10,600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	3,000	-3,000	0	4,000	-4,000	0	0	0	0	0	0	0	0	0	NHPP
Total	24,000	12,200	11,800	0	3,000	-3,000	0	4,000	-4,000	0	0	0	0	0	0	0	0	0	

OS74 Interstate Route H-1, Seismic Retrofit, McCully Street Separation



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

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: Not applicable.

Project Website: None

Neighborhood(s): McCully-Moiliili

Estimated Total Project Cost: \$3,500,000

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	435	348	87	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
PE2	0	0	0	0	0	0	0	0	0	462	370	92	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	2,550	2,040	510	0	0	0	NHPP
Total	0	0	0	435	348	87	0	0	0	462	370	92	2,550	2,040	510	0	0	0	

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



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Project Description:

Construct various rockfall/slope protection and slope stabilization mitigation measures.

Mile Post/s: MP 5.40 to MP 5.52

Complete Streets (CS):

Project will implement: No information available.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): North Shore

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

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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																			
PE2	0	0	0	0	0	0	857	686	171	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	21,000	6,400	14,600	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	5,400	-5,400	NHPP
Sunset Beach																			
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,261	3,476	5,785	NHPP
Waimea Bay																			
ROW	0	0	0	0	0	0	536	429	107	0	0	0	0	0	0	0	0	0	NHPP
Total	0	0	0	0	0	0	1,393	1,115	278	21,000	6,400	14,600	0	5,000	-5,000	9,261	8,876	385	



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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: \$38,500,000

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	500	0	500	500	0	500	500	0	500	500	0	500	500	0	500	NHPP
PE2	0	0	0	0	0	0	1,000	800	200	1,000	800	200	1,000	800	200	1,000	800	200	NHPP
ROW	0	0	0	0	0	0	500	0	500	500	0	500	500	0	500	500	0	500	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	15,000	12,000	3,000	15,000	12,000	3,000	NHPP
Total	0	0	0	500	0	500	2,000	800	1,200	2,000	800	1,200	17,000	12,800	4,200	17,000	12,800	4,200	



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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: \$26,400,000

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	400	0	400	400	0	400	400	0	400	400	0	400	400	0	400	NHPP
PE2	0	0	0	0	0	0	600	480	120	600	480	120	600	480	120	600	480	120	NHPP
ROW	0	0	0	0	0	0	500	0	500	500	0	500	500	0	500	500	0	500	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	10,000	8,000	2,000	10,000	8,000	2,000	NHPP
Total	0	0	0	400	0	400	1,500	480	1,020	1,500	480	1,020	11,500	8,480	3,020	11,500	8,480	3,020	



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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: \$19,400,000

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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 Management Program																			
PE1	0	0	0	400	0	400	400	0	400	400	0	400	400	0	400	400	0	400	NHPP
PE2	0	0	0	0	0	0	600	480	120	600	480	120	600	480	120	600	480	120	NHPP
CON	0	0	0	0	0	0	0	0	0	5,000	4,000	1,000	5,000	4,000	1,000	5,000	4,000	1,000	NHPP
Total	0	0	0	400	0	400	1,000	480	520	6,000	4,480	1,520	6,000	4,480	1,520	6,000	4,480	1,520	



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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: \$70,000,000

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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 - Kamehameha Hwy at Kaaawa Elementary																				
CON	0	0	0	3,000	2,400	600	0	0	0	0	0	0	0	0	0	0	0	0	NHPP	
Priority 1 - Kamehameha Hwy at Kualoa and Kalaniana'ole Hwy at Bell St																				
CON	0	0	0	0	0	0	2,100	1,680	420	0	0	0	0	0	0	0	0	0	NHPP	
Priority 1, Phase 1 - Kamehameha Hwy																				
ROW	0	0	0	0	0	0	1,040	832	208	0	0	0	0	0	0	0	0	0	NHPP	
CON	0	0	0	0	0	0	0	0	0	21,000	3,000	18,000	0	0	0	0	0	0	NHPP	
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	3,800	-3,800	0	10,000	-10,000	NHPP	
Priority 1, Phase 2 - Kamehameha Hwy																				
ROW	0	0	0	0	0	0	500	400	100	0	0	0	0	0	0	0	0	0	NHPP	
CON	0	0	0	0	0	0	0	0	0	20,000	3,000	17,000	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	8,000	-8,000	NHPP	
Priority 2 - Farrington Hwy at Keaau Stream Bridge																				
PE1	0	0	0	0	0	0	0	0	0	570	456	114	0	0	0	0	0	0	NHPP	
PE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	375	300	75	NHPP	

OS79 Shoreline Protection/Mitigation Program

													FOR INFORMATION ONLY						Funding Category
FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027				
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)	
Priority 2 - Farrington Hwy at Keaa Stream Bridge																			
ROW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52	41	11	NHPP
Priority 2 - Kalanianaʻole Hwy at Kaupo Cave																			
PE1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,215	972	243	NHPP
Total	0	0	0	3,000	2,400	600	3,640	2,912	728	41,570	6,456	35,114	0	8,800	-8,800	1,642	19,313	-17,671	



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

Total Project Cost Notes:
(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			
	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	2,000	3,000	0	0	0	0	0	0	0	0	0	STBG
ADVCON	0	0	0	0	0	0	0	0	0	0	2,000	-2,000	0	0	0	0	0	0	STBG
Total	0	0	0	0	0	0	5,000	2,000	3,000	0	2,000	-2,000	0	0	0	0	0	0	

OS82 Interstate Route H-1 Improvements, Eastbound, Ola Lane Overpass to Vineyard Boulevard



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

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: No information available.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Kalihi-Palama

Estimated Total Project Cost: \$90,000,000

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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			84,000	2,000	82,000	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	8,000	-8,000	0	5,000	-5,000	0	24,200	-24,200	0	28,000	-28,000	NHPP
Total	0	0	0	84,000	2,000	82,000	0	8,000	-8,000	0	5,000	-5,000	0	24,200	-24,200	0	28,000	-28,000	



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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: \$6,400,000

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	5,900	4,720	1,180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Total	5,900	4,720	1,180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

OS-21-43 Kamehameha Highway (Route 99) Seismic Retrofit, Pearl Harbor Interchange, Structure #2



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Project Description:

Retrofit interchange structures to meet current seismic standards. All bridges identified to be potentially vulnerable to earthquake damage/collapse need to be analyzed and designed for retrofitting strategies to prevent their collapse during a credible earthquake. The type and scope of the retrofit work can only be determined through the analysis.

Mile Post/s: MP 23.2 to 23.4

Complete Streets (CS):

Project will implement: No information available.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s):

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

Total Project Cost Notes:

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

Project Sponsor: State of Hawaii (FHWA Funded)

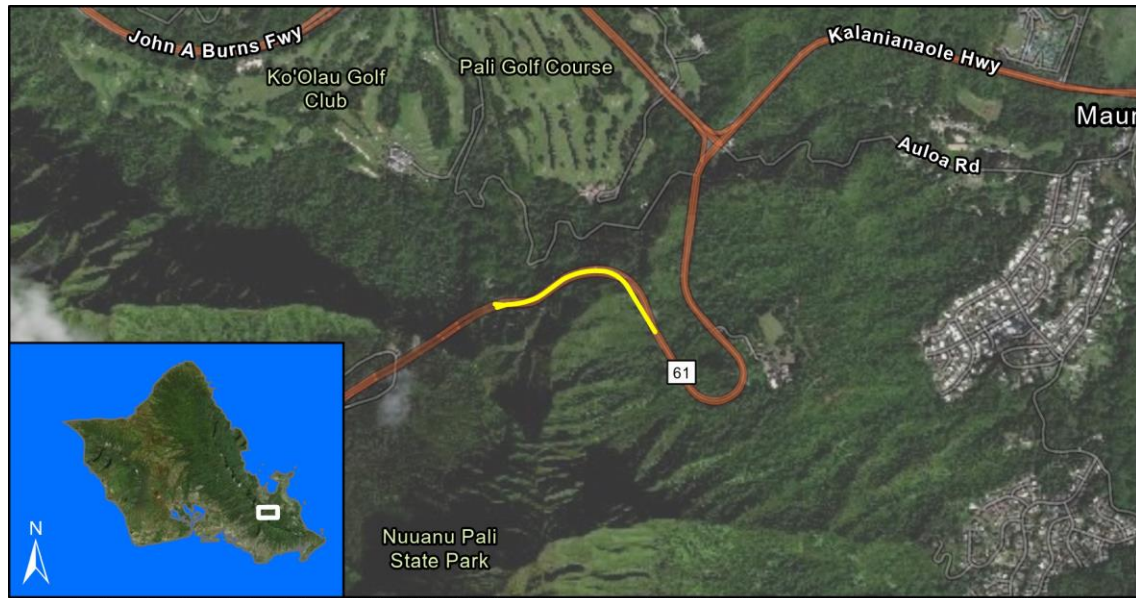
Agency Responsible for Carrying Out Project/Phase:

Hawaii Department of Transportation

FOR INFORMATION ONLY

Phase	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	510	408	102	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
PE2	0	0	0	0	0	0	0	0	0	704	563	141	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	3,750	3,000	750	0	0	0	NHPP
Total	0	0	0	510	408	102	0	0	0	704	563	141	3,750	3,000	750	0	0	0	

OS-21-44 Pali Highway, Rockfall Mitigation, Vicinity of MP 6.10 to MP 6.55



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Project Description:

Rockfall protection/mitigation to be determined following an EA.

Mile Post/s: MP 6.10 to 6.55

Complete Streets (CS):

Project will implement: NA

Existing Feature/s: NA

Project Website: None

Neighborhood(s): Kaneohe, Kailua

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

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	1,020	816	204	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
PE2	0	0	0	0	0	0	650	520	130	0	0	0	0	0	0	0	0	0	NHPP
ROW	0	0	0	0	0	0	25	20	5	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	11,000	4,800	6,200	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,000	-4,000	NHPP
Total	0	0	0	1,020	816	204	675	540	135	0	0	0	11,000	4,800	6,200	0	4,000	-4,000	

OS-21-45 Pali Highway, Rockfall Mitigation, Vicinity of MP 5.90 to MP 6.10



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Project Description:

Rockfall protection/mitigation to be determined following an EA.

Mile Post/s: MP 5.90 to 6.10

Complete Streets (CS):

Project will implement: NA

Existing Feature/s: NA

Project Website: None

Neighborhood(s): Kaneohe, Kailua

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

Total Project Cost Notes:

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

Project Sponsor: State of Hawaii (FHWA Funded)

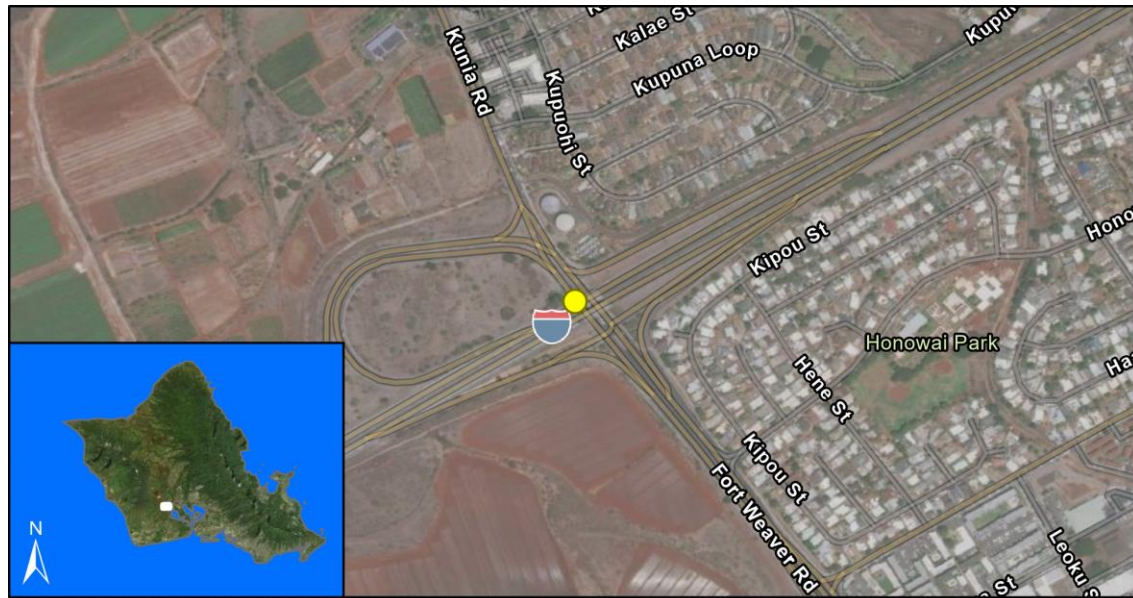
Agency Responsible for Carrying Out Project/Phase:

Hawaii Department of Transportation

FOR INFORMATION ONLY

Phase	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	370	296	74	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
PE2	0	0	0	0	0	0	240	192	48	0	0	0	0	0	0	0	0	0	NHPP
ROW	0	0	0	0	0	0	25	20	5	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	4,000	3,200	800	0	0	0	NHPP
Total	0	0	0	370	296	74	265	212	53	0	0	0	4,000	3,200	800	0	0	0	

OS-21-46 Interstate Route H-1, Kunia Interchange Improvements



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Project Description:

Improve capacity and congestion at Kunia Interchange due to the following issues: 1. Bottlenecks at high volume ramps due to merging or diverging of traffic from the mainline to/from the interchange ramp; and 2. A heavy mauka bound right turn movement to the eastbound H-1 on-ramp, as well as a heavy makai bound left-turn movement to the H-1 eastbound on-ramp. Improvements could include widening Ft. Weaver Road between S. Kapuna Loop and Farrington Highway and/or adding/adjusting ramps in the Kunia IC.

Mile Post/s: MP 5.0 - 6.0 (Route H1) and MP 6.0-6.5 (Route 76)

Complete Streets (CS):

Project will implement: There will be separate facilities for pedestrians and bicyclist traveling on the Kunia Road segment of the interchange.

Existing Feature/s: No information available

Project Website: None

Neighborhood(s): Waipahu, Ewa

Estimated Total Project Cost: \$160,000,000

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	1,500	0	1,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
PE2	0	0	0	0	0	0	0	0	0	14,000	0	14,000	0	0	0	0	0	0	Local Only
Total	1,500	0	1,500	0	0	0	0	0	0	14,000	0	14,000	0	0	0	0	0	0	

OS-21-47 Interstate Route H-1 Highway Lighting Improvements, Kaimakani Overpass to Gulick Avenue



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Project Description:
 Upgrade highway lighting to standards. 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: MP 12.83 to MP 19

Complete Streets (CS):
Project will implement: No information available.
Existing Feature/s: No information available.

Project Website: Not available

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

Estimated Total Project Cost: \$40,000,000

Total Project Cost Notes:
 (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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027				
	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 1 MP 12.83 to MP 16																				
CON	0	0	0	0	0	0	30,000	5,000	25,000	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	6,000	-6,000	0	10,000	-10,000	NHPP	
Phase 2 MP 16 to MP 19																				
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,240	4,992	1,248	NHPP	
Total	0	0	0	0	0	0	30,000	5,000	25,000	0	3,000	-3,000	0	6,000	-6,000	6,240	14,992	-8,752		

OS-21-49 Harbor Access Road (Route 94)



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Project Description:

Scope could include, but is not limited to the design and construction of new 4 lane divided concrete roadway, auxiliary lanes, sidewalks, bike lanes, traffic signals, intersections, associated utilities, grading, landscaping, and connections to future City roadways and drainage canal bridge crossing.

Mile Post/s:

Complete Streets (CS):

Project will implement: The project will include bicycle and pedestrians, such as bike lanes, sidewalks and ADA ramps.

Existing Feature/s: No information available

Project Website: None

Neighborhood(s): Makakilo-Kapolei-Honokai Hale

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

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	0	0	0	0	0	0	7,000	0	7,000	0	0	0	0	0	0	Local Only
Phase 2																			
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36,000	0	36,000	Local Only
Total	0	0	0	0	0	0	0	0	0	7,000	0	7,000	0	0	0	36,000	0	36,000	



Project Description:

Provide mitigation to help restore Halawa Valley to pre H-3 conditions as much as reasonably possible.

Mile Post/s:

Complete Streets (CS):

Project will implement: Not applicable

Existing Feature/s: Not applicable

Project Website:

None

Neighborhood(s):

Aiea

Estimated Total Project Cost:

\$5,500,000

Total Project Cost Notes:

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

Project Sponsor:

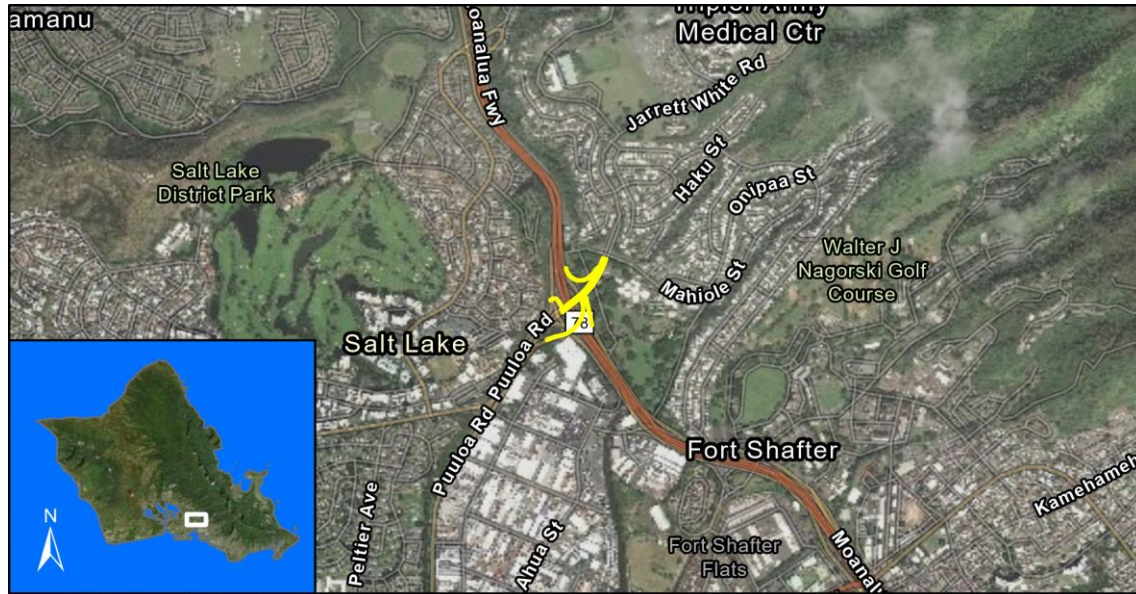
State of Hawaii (FHWA Funded)

Agency Responsible for Carrying Out Project/Phase:

Hawaii Department of Transportation

													FOR INFORMATION ONLY						Funding Category
FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027				
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)	
CON	0	0	0	0	0	0	5,202	4,162	1,040	0	0	0	0	0	0	0	0	0	NHPP
Total	0	0	0	0	0	0	5,202	4,162	1,040	0	0	0	0	0	0	0	0	0	

OS-21-51 Moanalua Freeway, (Interstate Route H-201) Seismic Retrofit, Puuloa Interchange (Five Structures)



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Project Description:

Retrofit interchange structures to meet current seismic standards. All bridges identified to be potentially vulnerable to earthquake damage/collapse need to be analyzed and designed for retrofitting strategies to prevent their collapse during a credible earthquake. The type and scope of the retrofit work can only be determined through the analysis.

Mile Post/s: MP 2.68 to 2.94

Complete Streets (CS):

Project will implement: No information available.

Existing Feature/s: No information available.

Project Website: None

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

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

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	1,050	840	210	0	0	0	0	0	0	0	0	0	NHPP
PE2	0	0	0	0	0	0	0	0	0	0	0	0	1,654	1,323	331	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	12,000	7,600	4,400	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,000	-2,000	NHPP
Total	0	0	0	0	0	0	1,050	840	210	0	0	0	13,654	8,923	4,731	0	2,000	-2,000	

OS-21-52 Likelike Highway (Route 63) Seismic Retrofit, Kalihi Stream Bridges



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Project Description:

Retrofit bridge structures to meet current seismic standards. All bridges identified to be potentially vulnerable to earthquake damage/collapse need to be analyzed and designed for retrofitting strategies to prevent their collapse during a credible earthquake. The type and scope of the retrofit work can only be determined through the analysis.

Mile Post/s: MP 1.6 to 1.75

Complete Streets (CS):

Project will implement: No information available.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Kalihi Valley

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

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	710	568	142	0	0	0	0	0	0	NHPP
PE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	620	496	124	NHPP
Total	0	0	0	0	0	0	0	0	0	710	568	142	0	0	0	620	496	124	

OS-21-53 Farrington Highway Widening, Helelua to Mohihi



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Project Description:
A 5th lane will be installed on Farrington Highway, from Helelua Street to Mohihi Street. The lane will be used as a turnout lane and as a contraflow lane during peak travel times. Includes reconstructing the roadway and installing signs, striping and pavement markings.

Mile Post/s: MP 5.62 to 6.32

Complete Streets (CS):
Project will implement: No information available.
Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Nanakuli-Mailii

Estimated Total Project Cost: \$34,500,000

Total Project Cost Notes:
(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027				
	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	32,000	10,600	21,400	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	5,000	-5,000	NHPP	
Total	0	0	0	0	0	0	32,000	10,600	21,400	0	5,000	-5,000	0	5,000	-5,000	0	5,000	-5,000		

SITES TO BE
DETERMINED

Project Description:

Provide mitigation to help restore Halawa Valley to pre H-3 conditions as much as reasonably possible.

Mile Post/s:

Complete Streets (CS):

Project will implement: Not applicable

Existing Feature/s: Not applicable

Project Website: None

Neighborhood(s): Aiea

Estimated Total Project Cost: \$5,500,000

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	5,100	4,080	1,020	0	0	0	0	0	0	0	0	0	NHPP
Total	0	0	0	0	0	0	5,100	4,080	1,020	0	0	0	0	0	0	0	0	0	

OS-21-57 Fort Barrette Road Railroad Crossing Improvements



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Project Description:

The project includes upgrading the existing railroad crossing from asphalt to concrete, replacing the existing wooden tracks and ties, and installing new automated crossing gates and signals which will be synced with the new traffic signal at Roosevelt Avenue.

Mile Post/s: MP 0.2

Complete Streets (CS):

Project will implement: Marked crosswalks and pedestrian Indication (Signal)

Existing Feature/s:

Project Website:

Neighborhood(s): Makakilo-Kapolei-Honokai Hale

Estimated Total Project Cost: \$2,750,000

Total Project Cost Notes:

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

Project Sponsor: State of Hawaii (FHWA Funded)

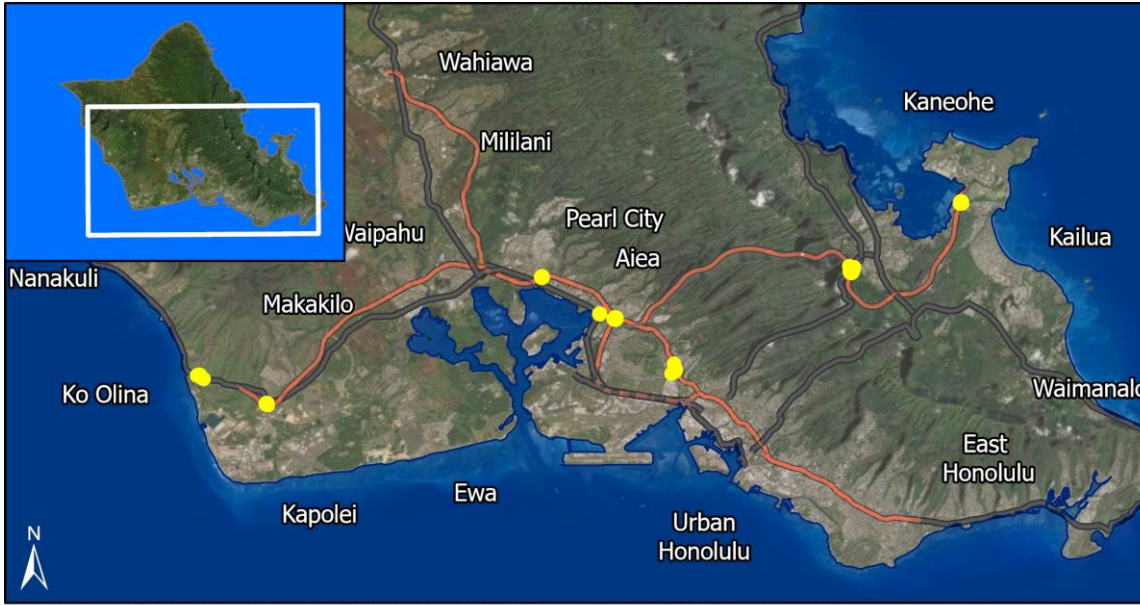
Agency Responsible for Carrying Out Project/Phase:

Hawaii Department of Transportation

FOR INFORMATION ONLY

Phase	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	2,300	2,070	230	0	0	0	0	0	0	0	0	0	0	0	0	RHCP
Total	0	0	0	2,300	2,070	230	0	0	0	0	0	0	0	0	0	0	0	0	

OS-22-58 High Friction Surface Treatment on Highway Ramps, Oahu



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Project Description:

Installation of high friction surface treatments on 8 ramps at various locations on Oahu.

Mile Post/s:

Complete Streets (CS):

Project will implement:

Existing Feature/s:

Project Website: None

Neighborhood(s): Aiea, Mokapu, Makakilo-Kapolei-Honokai Hale

Estimated Total Project Cost: \$2,700,000

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	2,200	1,980	220	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	HSIP
Total	2,200	1,980	220	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Project Description:

Complete H-3 Unit 7C. Improve access road from Halawa Valley Road to Gate 1 (next to Hawaiian Cement). The scope of work include the relocation of Halawa Access Road in the vicinity of the Mauka section of the Halawa Quarry Viaduct; the relocation of a HECO guy wire stub pole; and the placement of riprap revetment in the vicinity of pier 26 of the Halawa Quarry Viaduct. This work periferal to the ultimate completion of the H-3 Freeway.

Mile Post/s:

Complete Streets (CS):

Project will implement: No Information Available

Existing Feature/s: No Information Available

Project Website:

Neighborhood(s): Aiea

Estimated Total Project Cost: \$4,400,000

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	4,100	3,280	820	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Total	4,100	3,280	820	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

OS-22-60 Adaptive Traffic Signal Control Technology & Traffic Signal Controller Installation at Various Locations, Oahu



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Project Description:

Implement Adaptive Traffic Control Systems (ATCS) at various locations on Oahu. ATCS are a potential method of dealing with congestion, which adjusts signal timing to accommodate changing traffic patterns. Work may include providing and installing hardware, software, vehicle detection, and staff training.

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: \$41,000,000

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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 I																				
CON	11,000	3,214	7,786	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STBG
Phase II																				
CON	26,289	0	26,289	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STBG
ADVCON	0	0	0	0	3,000	-3,000	0	4,617	-4,617	0	4,000	-4,000	0	10,000	-10,000	0	5,000	-5,000	0	STBG
Total	37,289	3,214	34,075	0	3,000	-3,000	0	4,617	-4,617	0	4,000	-4,000	0	10,000	-10,000	0	5,000	-5,000		

OS-22-61 Farrington Highway (Route 93) Bridge Rehabilitation, Ulehawa Stream Bridge



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Project Description:

Rehabilitate the existing bridge

Mile Post/s:

Complete Streets (CS):

Project will implement: NA

Existing Feature/s: NA

Project Website: None

Neighborhood(s): Nanakuli-Mailii

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

Total Project Cost Notes:

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

Project Sponsor: State of Hawaii (FHWA Funded)

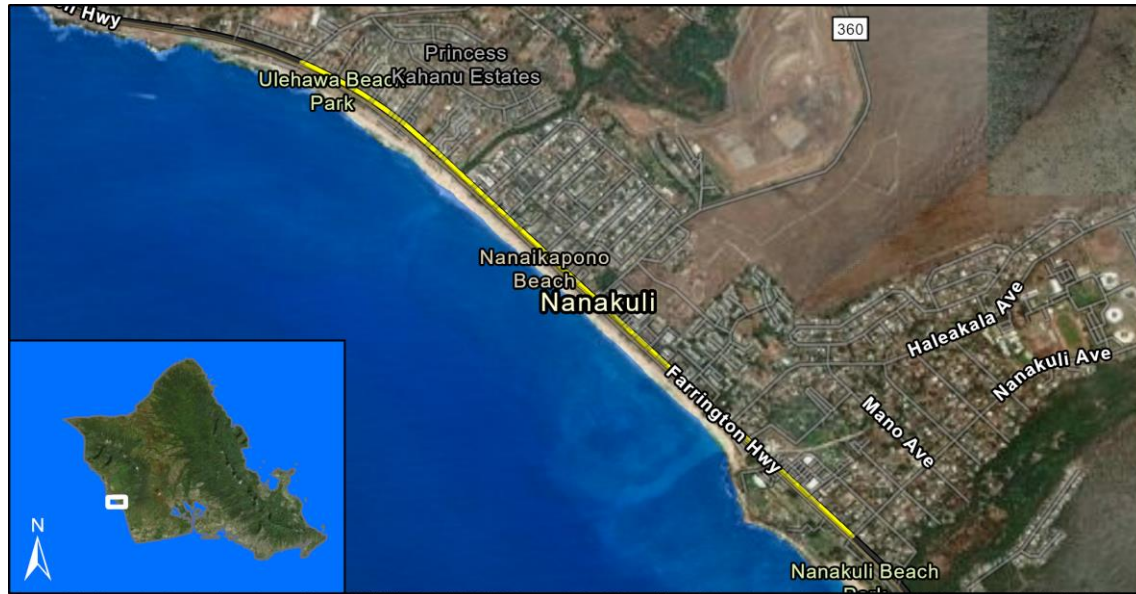
Agency Responsible for Carrying Out Project/Phase:

Hawaii Department of Transportation

FOR INFORMATION ONLY

Phase	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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																			
CON	0	0	0	0	0	0	0	0	0	22,000	12,000	10,000	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	3,000	-3,000	0	2,600	-2,600	NHPP
Total	0	0	0	0	0	0	0	0	0	22,000	12,000	10,000	0	3,000	-3,000	0	2,600	-2,600	

OS-22-62 Farrington Highway (RTE 93) Sidewalk Improvements, Hakimo Rd to Nanakuli Ave, MP 6.89 to MP 5.06



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Project Description:

Construct new PCC sidewalk and ramps, drainage facilities, utility relocations and adjustments, driveway adjustments, grade adjustment walls, modifications/adjustments to existing traffic appurtenances (signs, traffic signals, etc).

Mile Post/s: 6.89 to 5.06

Complete Streets (CS):

Project will implement: No information available.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Nanakuli-Mailii

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

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	15,300	200	15,100	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	3,000	-3,000	0	3,000	-3,000	0	3,000	-3,000	0	3,000	-3,000	NHPP
Total	0	0	0	15,300	200	15,100	0	3,000	-3,000	0	3,000	-3,000	0	3,000	-3,000	0	3,000	-3,000	

OS-22-63 Kamehameha Highway Wetland Enhancement at James Campbell National Wildlife Refuge



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Project Description:
Mitigation of wetland loss due to the Kam Hwy Helemano/Waialua Junction to Haleiwa Beach Park project (Haleiwa Bypass) and the Kahekili Hwy Widening, Likelike Hwy to Vicinity of Haiku Road project in accordance with CFR 33, Part 332. The project is to provide wetland enhancement work that is not currently funded by other means as a replacement for wetlands lost during the construction of the two former Department of Transportation projects.

Mile Post/s:

Complete Streets (CS):
Project will implement: NA

Existing Feature/s: NA

Project Website: None

Neighborhood(s): Koolauloa

Estimated Total Project Cost: \$2,500,000

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			
	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	2,000	1,600	400	0	0	0	0	0	0	0	0	0	0	0	0	STBG
Total	0	0	0	2,000	1,600	400	0	0	0	0	0	0	0	0	0	0	0	0	

OS-22-64 Whitmore Ave (RTE 7012) Sidewalk Improvements, Phase 2, Ihiihi Ave to Whitmore Community Center, MP 0.72 to MP 1.04



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Project Description:

Construct new PCC sidewalk and ramps, drainage facilities, utility relocations and adjustments, driveway adjustments.

Mile Post/s:

Complete Streets (CS):

Project will implement: The purpose of the project is to improve pedestrian safety, accessibility, and mobility by replacing older existing asphalt path (i.e., roadway shoulder) with a new concrete sidewalk. There is a need to improve pedestrian facilities for safety, accessibility, and multimodal connectivity. The project will construct new PCC sidewalk and ramps, drainage facilities, utility relocations and adjustments, driveway adjustments.

Existing Feature/s: Existing utilities may need to be adjusted and/or relocated to accommodate the new sidewalk alignment and/or elevation.

Project Website: None

Neighborhood(s): Wahiawa

Estimated Total Project Cost: \$3,100,000

Total Project Cost Notes:

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

Project Sponsor: State of Hawaii (FHWA Funded)

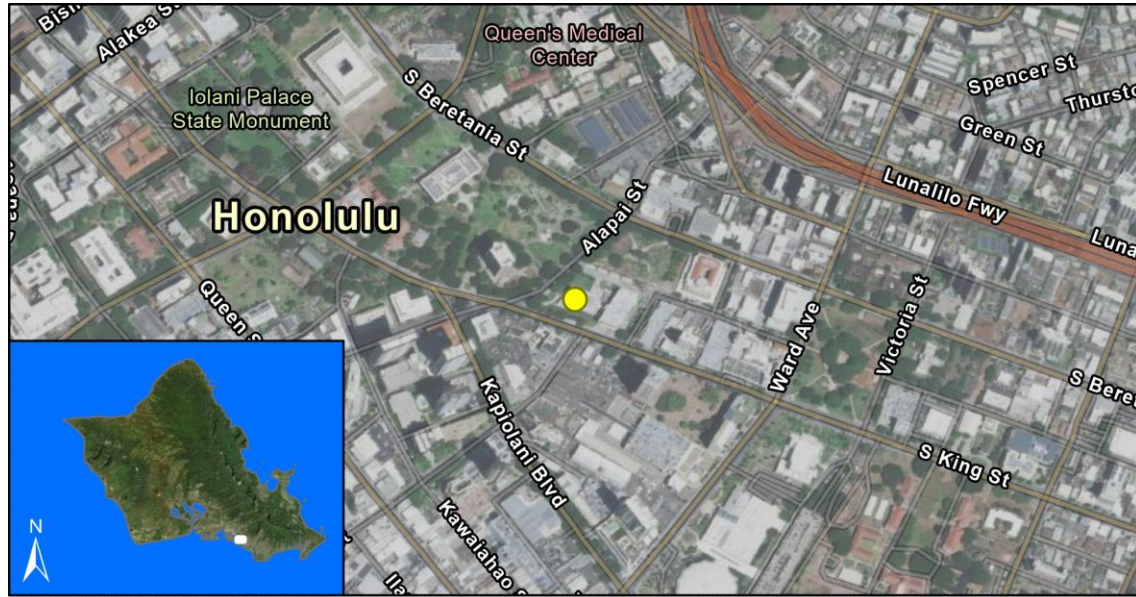
Agency Responsible for Carrying Out Project/Phase:

Hawaii Department of Transportation

FOR INFORMATION ONLY

Phase	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	2,800	2,240	560	0	0	0	0	0	0	0	0	0	0	0	0	STBG
Total	0	0	0	2,800	2,240	560	0	0	0	0	0	0	0	0	0	0	0	0	

FHWA Funded Projects: City and County of Honolulu



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Project Description:

Operations and management for the joint communications center behind the Alapai Transit Center which holds City, State & emergency response agencies.

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: \$1,889,000

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	238	190	48	263	210	53	300	240	60	338	270	68	375	300	75	375	300	75	STBG
Total	238	190	48	263	210	53	300	240	60	338	270	68	375	300	75	375	300	75	



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Project Description:

An on-going 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/bikeplanupdate.html>

Neighborhood(s): Island wide

Estimated Total Project Cost: \$18,018,000

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	510	408	102	0	0	0	0	0	0	0	0	0	0	0	0	0	STBG
PE2	0	0	0	0	0	0	0	0	0	204	163	41	0	0	0	0	0	0	0	STBG
ROW	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	STBG
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	1,020	816	204	0	0	0	STBG
INSP	0	0	0	0	0	0	0	0	0	0	0	0	0	255	204	51	0	0	0	STBG
Keolu Drive Complete Streets																				
PE1	0	0	0	1,000	800	200	0	0	0	0	0	0	0	0	0	0	0	0	0	STBG
PE2	0	0	0	0	0	0	0	0	0	500	400	100	0	0	0	0	0	0	0	STBG
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	5,700	4,560	1,140	0	0	0	STBG
INSP	0	0	0	0	0	0	0	0	0	0	0	0	0	1,425	1,140	285	0	0	0	STBG
South Shore Bikeway (EW Transportation Corridor Planning)																				
PE1	0	0	0	6,000	4,800	1,200	0	0	0	0	0	0	0	0	0	0	0	0	0	HIP-CPF/CDS
Waipahu Depot Shared Use Path																				
PE2	0	0	0	0	0	0	103	82	21	0	0	0	0	0	0	0	0	0	0	STBG
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	1,040	832	208	0	0	0	STBG

OC2

Bikeway Improvements Program

													FOR INFORMATION ONLY						Funding Category
FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027				
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)		
Waipahu Depot Shared Use Path																			
INSP	0	0	0	0	0	0	0	0	0	0	0	0	260	208	52	0	0	0	STBG
Total	0	0	0	7,511	6,008	1,503	103	82	21	704	563	141	9,700	7,760	1,940	0	0	0	



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: \$18,493,000

Total Project Cost Notes:
(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

Phase	FOR INFORMATION ONLY																		Funding Category
	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			
	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)	
DES	1,780	1,200	580	3,640	2,400	1,240	2,913	1,952	961	2,880	1,930	950	3,640	2,400	1,240	3,640	2,400	1,240	OS BRIDGE
Total	1,780	1,200	580	3,640	2,400	1,240	2,913	1,952	961	2,880	1,930	950	3,640	2,400	1,240	3,640	2,400	1,240	



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Project Description:

Upgrade and expand fiber optic lines, CCTV cameras, data collection, and signal control in urban and rural areas for connection to the Traffic Control Center.

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

Project will implement: Not applicable.

Existing Feature/s: Not applicable.

Project Website: None

Neighborhood(s): Island wide

Estimated Total Project Cost: \$10,577,000

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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 16 Waianae																				
PE1	0	0	0	468	374	94	0	0	0	0	0	0	0	0	0	0	0	0	0	STBG
PE2	0	0	0	0	0	0	336	269	67	0	0	0	0	0	0	0	0	0	0	STBG
CON	0	0	0	0	0	0	0	0	0	0	0	0	3,334	2,667	667	0	0	0	0	STBG
EQP	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	STBG
INSP	0	0	0	0	0	0	0	0	0	0	0	0	700	560	140	0	0	0	0	STBG
Phase 17 Maili																				
PE1	0	0	0	437	350	87	0	0	0	0	0	0	0	0	0	0	0	0	0	STBG
PE2	0	0	0	0	0	0	312	250	62	0	0	0	0	0	0	0	0	0	0	STBG
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,938	3,150	788	0	STBG
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	STBG
INSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,050	840	210	0	STBG
Total	0	0	0	905	724	181	648	519	129	0	0	0	4,035	3,227	808	4,989	3,990	999	0	



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Project Description:

Provide traffic congestion relief and improve traffic safety at various locations, including but not limited to Mahoe/Waipahu Streets and Manager's Drive/Hiapo Street Intersection.

Mile Post/s: Not applicable

Complete Streets (CS):

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

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$9,419,000

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	5,000	4,000	1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	STBG
INSP	0	0	0	800	640	160	0	0	0	0	0	0	0	0	0	0	0	0	0	STBG
Manager's Drive/Hiapo Street Intersection Improvements																				
PE1	300	240	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STBG
PE2	0	0	0	0	0	0	156	125	31	0	0	0	0	0	0	0	0	0	0	STBG
CON	0	0	0	0	0	0	0	0	0	2,413	1,930	483	0	0	0	0	0	0	0	STBG
INSP	0	0	0	0	0	0	0	0	0	750	600	150	0	0	0	0	0	0	0	STBG
Total	300	240	60	5,800	4,640	1,160	156	125	31	3,163	2,530	633	0	0	0	0	0	0	0	



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Project Description:

Install and upgrade traffic signals island wide 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: \$25,635,000

Total Project Cost Notes:

(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:

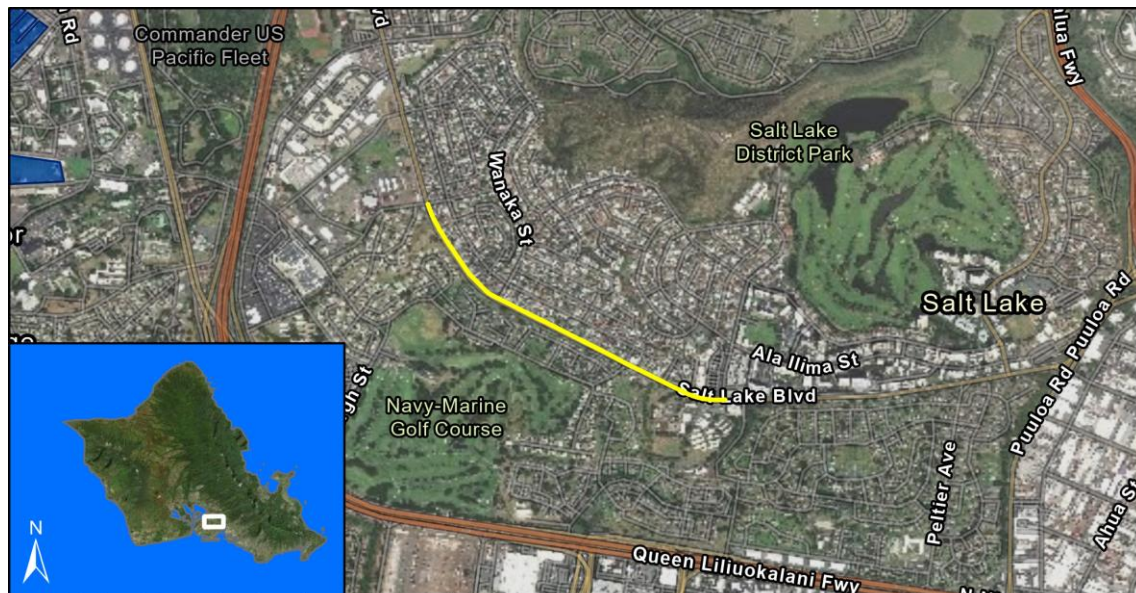
City Department of Transportation Services

FOR INFORMATION ONLY

Phase	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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 16 - Kapiolani Blvd/Kaimuki Ave, Salt Lake Blvd/Radford Dr, Nehoa St/Mott-Smith Dr, Ala Ilima St/Ala Lilikoi St, and Ulune St/Service Rd																			
CON	0	0	0	2,387	2,387	0	0	0	0	0	0	0	0	0	0	0	0	0	STBG
INSP	0	0	0	405	405	0	0	0	0	0	0	0	0	0	0	0	0	0	STBG
Phase 17 - Kuulei Rd/Aulike St, Kamehameha Hwy/Haiku Rd, King St/Church Ln, Ahua St/Kilihau St, Kuala St/Acacia Rd, King St/Pensacola St, Kamehameha Hwy/Pahia Rd, King St/Ward Ave, Atkinson Dr/Mahukona																			
CON	3,910	3,114	796	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STBG
INSP	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STBG
Phase 18 - Renton Rd/Pahika St, Kapiolani at Pumehana St (Rapid Flashing Beacons), School St/Houghtailing St, Kapiolani Blvd/Atkinson Dr, Kapiolani Blvd/Kalakaua Ave, Moanalua Rd/Hoomalu St																			
PE2	626	501	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STBG
CON	0	0	0	0	0	0	2,168	1,734	434	0	0	0	0	0	0	0	0	0	STBG
EQP	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	STBG
INSP	0	0	0	0	0	0	538	430	108	0	0	0	0	0	0	0	0	0	STBG
Phase 19 - Waialae Avenue at 16th Avenue, Moanalua Road at Ualo Street																			
PE1	0	0	0	312	250	62	0	0	0	0	0	0	0	0	0	0	0	0	STBG
PE2	0	0	0	0	0	0	187	150	37	0	0	0	0	0	0	0	0	0	STBG
CON	0	0	0	0	0	0	0	0	0	2,500	2,000	500	0	0	0	0	0	0	STBG

OC10 Traffic Signals at Various Locations

FOR INFORMATION ONLY																			
FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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)		
Phase 19 - Waialae Avenue at 16th Avenue, Moanalua Road at Ualo Street																			
EQP	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	STBG
INSP	0	0	0	0	0	0	0	0	0	500	400	100	0	0	0	0	0	0	STBG
Phase 20 -King St/Punahou St, Makuahine/Hala Dr, Hawaii Kai/Kalalea, Kamehameha Hwy/Waikalua Rd, Ward Ave/Lunalilo, Kapahulu Interconnect																			
PE1	0	0	0	437	350	87	0	0	0	0	0	0	0	0	0	0	0	0	STBG
PE2	0	0	0	0	0	0	312	250	62	0	0	0	0	0	0	0	0	0	STBG
CON	0	0	0	0	0	0	0	0	0	0	0	0	3,750	3,000	750	0	0	0	STBG
EQP	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	STBG
INSP	0	0	0	0	0	0	0	0	0	0	0	0	787	630	157	0	0	0	STBG
Phase 21 - Meahaula Pkwy/Ainamakua Dr (audio Ped), Kapiolani/Ward, Kapiolani/McCully																			
PE1	0	0	0	500	400	100	0	0	0	0	0	0	0	0	0	0	0	0	STBG
PE2	0	0	0	0	0	0	312	250	62	0	0	0	0	0	0	0	0	0	STBG
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,750	3,000	750	STBG
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	STBG
INSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	787	630	157	STBG
Total	4,540	3,615	925	4,041	3,792	249	3,518	2,814	704	3,001	2,400	601	4,538	3,630	908	4,538	3,630	908	



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Project Description:

To widen the remaining unimproved section of Salt Lake Boulevard stretching 1 mile from Maluna Street to Ala Lilikoi Street. 3B is intended to complete the overall road improvement project and provide multi-lanes of roadway capacity for the entire length of Salt Lake Boulevard. Improvements include widening of the roadway to 5 lanes, drainage system improvements, traffic signals, mauka-side curb and gutter, sidewalks, and bikeways. Also includes relocation of HECO's overhead utility line, a new 36-inch main waterline installation and various utility relocations.

Mile Post/s:

Complete Streets (CS):

Project will implement: No information available.

Existing Feature/s: No information available.

Project Website: None

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

Estimated Total Project Cost: \$125,070,000

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	10	0	10	10	0	10	0	0	0	0	0	0	10	0	10	10	0	10	Local
ROW	10	0	10	10	0	10	0	0	0	0	0	0	0	0	0	0	0	0	Local
CON	30,000	0	30,000	2,000	0	2,000	0	0	0	0	0	0	47,000	8,000	39,000	38,000	8,000	30,000	STBG
INSP	0	0	0	10	0	10	0	0	0	0	0	0	4,000	0	4,000	4,000	0	4,000	Local
Total	30,020	0	30,020	2,030	0	2,030	0	0	0	0	0	0	51,010	8,000	43,010	42,010	8,000	34,010	



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Various Locations - Islandwide

Project Description:

The Transportation Alternatives (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, and 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 Set-Aside Project Evaluation and Ranking process. HART projects may be flexed from FHWA to FTA.

Mile Post/s:

Complete Streets (CS):

Project will implement: The Ala Wai Bridge will be a new pedestrian and bicycle bridge crossing the Ala Wai Canal, connecting Waikiki and McCully-Moiliili neighborhoods.

Existing Feature/s: No information available.

Project Website: <https://www.oahumpo.org/plans-and-programs/transportation-alternatives-ta-set-aside/>

Neighborhood(s): McCully-Moiliili, Various Locations

Estimated Total Project Cost: \$51,100,000

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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)	
Ala Wai Bridge Project																			
PE2	0	0	0	2,038	1,630	408	0	0	0	0	0	0	0	0	0	0	0	0	TA
CON	0	0	0	0	0	0	29,810	23,848	5,962	0	0	0	0	0	0	0	0	0	FHWA Grant
CON	0	0	0	0	0	0	3,341	2,673	668	0	0	0	0	0	0	0	0	0	STBG
CON	0	0	0	0	0	0	1,250	1,000	250	0	0	0	0	0	0	0	0	0	TA
INSP	0	0	0	0	0	0	5,160	4,128	1,032	0	0	0	0	0	0	0	0	0	FHWA Grant
Rail Station Multimodal Access Improvements - Halawa Station and Waiawa Station																			
CON	0	0	0	1,750	1,400	350	0	0	0	0	0	0	0	0	0	0	0	0	TA
Total	0	0	0	3,788	3,030	758	39,561	31,649	7,912	0	0	0	0	0	0	0	0	0	



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Project Description:

The Transportation Alternatives (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 State TA Set-Aside Project Evaluation and Ranking process. Projects may be flexed from FHWA to FTA.

Mile Post/s:

Complete Streets (CS):

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

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): North Shore, Island wide

Estimated Total Project Cost: \$19,416,000

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027				
	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)		
Haleiwa Road Multi-Use Path																				
CON	0	0	0	0	0	0	209	167	42	1,275	1,020	255	0	0	0	0	0	0	TA	
INSP	0	0	0	0	0	0	0	0	0	408	326	82	0	0	0	0	0	0	TA	
Rail Station Multimodal Access Improvements - Halawa Station and Waiawa Station																				
CON	0	0	0	8,100	6,480	1,620	0	0	0	0	0	0	0	0	0	0	0	0	FHWA Grant	
CON	0	0	0	7,250	5,800	1,450	0	0	0	0	0	0	0	0	0	0	0	0	TA	
INSP	0	0	0	1,125	900	225	0	0	0	0	0	0	0	0	0	0	0	0	FHWA Grant	
INSP	0	0	0	900	720	180	0	0	0	0	0	0	0	0	0	0	0	0	FHWA Grant	
Total	0	0	0	17,375	13,900	3,475	209	167	42	1,683	1,346	337	0	0	0	0	0	0		



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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: Project improves pedestrian and bicycle access.

Existing Feature/s: No information available

Project Website: None

Neighborhood(s): Island wide, To Be Determined

Estimated Total Project Cost: \$1,375,000

Total Project Cost Notes:
 (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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			
	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	1,375	1,100	275	0	0	0	0	0	0	0	0	0	0	0	0	FLAP
Total	0	0	0	1,375	1,100	275	0	0	0	0	0	0	0	0	0	0	0	0	

OC-21-54 Kalaeloa Boulevard Railroad Improvements



Project Description:

Design and install a railroad traffic signal and traffic camera at the railroad crossing on Kalaeloa Blvd.

Mile Post/s:

Complete Streets (CS):

Project will implement: Controlled bicycle and pedestrian crossings will be installed as part of the project.

Existing Feature/s: Existing bicycle lanes will be preserved.

Project Website: None

Neighborhood(s): Makakilo-Kapolei-Honokai Hale

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

Total Project Cost Notes: State to fund and develop PE1 and PE2. State to fund and City to develop CON & INSP.

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

Project Sponsor: State of Hawaii and City and County of Honolulu

Agency Responsible for Carrying Out Project/Phase:

City Department of Transportation Services

FOR INFORMATION ONLY

Phase	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	150	120	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	HSIP
PE2	0	0	0	35	30	5	0	0	0	0	0	0	0	0	0	0	0	0	HSIP
CON	0	0	0	0	0	0	1,125	1,125	0	0	0	0	0	0	0	0	0	0	HSIP
INSP	0	0	0	0	0	0	170	170	0	0	0	0	0	0	0	0	0	0	HSIP
Total	150	120	30	35	30	5	1,295	1,295	0	0	0	0	0	0	0	0	0	0	



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Project Description:

To construct and inspect related equipment for approximately 150 traffic signalized intersections

Mile Post/s:

Complete Streets (CS):

Project will implement: Not applicable.

Existing Feature/s: Existing pedestrian signal will remain in place. Operation of the pedestrian signal will remain the same.

Project Website: None

Neighborhood(s): Island wide

Estimated Total Project Cost: \$16,251,000

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	7,695	6,156	1,539	0	0	0	5,000	4,000	1,000	0	0	0	0	0	0	0	0	0	0	STBG
INSP	1,681	1,345	336	0	0	0	1,875	1,500	375	0	0	0	0	0	0	0	0	0	0	STBG
Total	9,376	7,501	1,875	0	0	0	6,875	5,500	1,375	0	0	0	0	0	0	0	0	0	0	



Project Description:

Plan, design, construct, inspect and provide related equipment for City projects of regional significance. Projects may be flexed from FHWA to FTA.

Mile Post/s:

Complete Streets (CS):

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

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$156,250,000

Total Project Cost Notes:

(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	FFY2022			FFY2023			FFY2024			FFY2025			FFY2026			FFY2027			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	68,750	55,000	13,750	25,000	20,000	5,000	25,000	20,000	5,000	25,000	20,000	5,000	0	0	0	STBG
CON	0	0	0	12,500	10,000	2,500	0	0	0	0	0	0	0	0	0	0	0	0	STBG
Total	0	0	0	81,250	65,000	16,250	25,000	20,000	5,000	25,000	20,000	5,000	25,000	20,000	5,000	0	0	0	



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Project Description:

Program to support implementation of the Transportation Demand Management (TDM) Work Action Program.

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: \$5,000,000

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	0	0	0	1,000	800	200	1,000	800	200	1,000	800	200	1,000	800	200	STBG
Total	0	0	0	0	0	0	1,000	800	200	1,000	800	200	1,000	800	200	1,000	800	200	

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City Department of Transportation Services

150



Project Description:

Program management, design, to install and upgrade sidewalks on City streets consistent with the Pedestrian Plan.

Mile Post/s:

Complete Streets (CS):

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

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Island wide

Estimated Total Project Cost: \$101,000,000

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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																			
PE1	0	0	0	5,800	4,640	1,160	500	400	100	0	0	0	0	0	0	0	0	0	FHWA Grant
PE1	0	0	0	735	588	147	0	0	0	500	400	100	500	400	100	500	400	100	STBG
PE2	0	0	0	0	0	0	2,000	1,600	400	0	0	0	0	0	0	0	0	0	FHWA Grant
PE2	0	0	0	0	0	0	0	0	0	500	400	100	500	400	100	500	400	100	STBG
CON	0	0	0	0	0	0	2,000	1,600	400	2,000	1,600	400	4,000	3,200	800	4,000	3,200	800	STBG
INSP	0	0	0	0	0	0	500	400	100	500	400	100	1,000	800	200	1,000	800	200	STBG
Total	0	0	0	6,535	5,228	1,307	5,000	4,000	1,000	3,500	2,800	700	6,000	4,800	1,200	6,000	4,800	1,200	

OC-22-64 Oahu Electric Vehicle Chargers



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Project Description:

Project to plan, design, and construct charging infrastructure for electric vehicles in City facilities.

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: \$2,450,000

Total Project Cost Notes:

(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 Office of Climate Change, Sustainability and Resiliency

FOR INFORMATION ONLY

Phase	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	250	200	50	0	0	0	0	0	0	0	0	0	0	0	0	HIP-CPF/CDS
PE2	0	0	0	0	0	0	125	100	25	0	0	0	0	0	0	0	0	0	HIP-CPF/CDS
CON	0	0	0	0	0	0	625	500	125	1,250	1,000	250	0	0	0	0	0	0	HIP-CPF/CDS
INSP	0	0	0	0	0	0	100	80	20	100	80	20	0	0	0	0	0	0	HIP-CPF/CDS
Total	0	0	0	250	200	50	850	680	170	1,350	1,080	270	0	0	0	0	0	0	



Project Description:

Demolition and replacement of the existing four (4)-span concrete bridge on Waialua Beach Road crossing Kiikii Stream.

Mile Post/s:

Complete Streets (CS):

Project will implement: No information available.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): North Shore

Estimated Total Project Cost: \$18,000,000

Total Project Cost Notes:

(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

Phase													FOR INFORMATION ONLY						Funding Category
	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			
	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)	
Waialua Beach Road Bridge No. 605 Reconstruction																			
PE1	0	0	0	1,200	0	1,200	0	0	0	0	0	0	0	0	0	0	0	0	Local
PE2	0	0	0	0	0	0	0	0	0	800	0	800	0	0	0	0	0	0	Local
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16,000	12,800	3,200	HIP-BFP
Total	0	0	0	1,200	0	1,200	0	0	0	800	0	800	0	0	0	16,000	12,800	3,200	

FTA: Hawaii Department of Transportation



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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

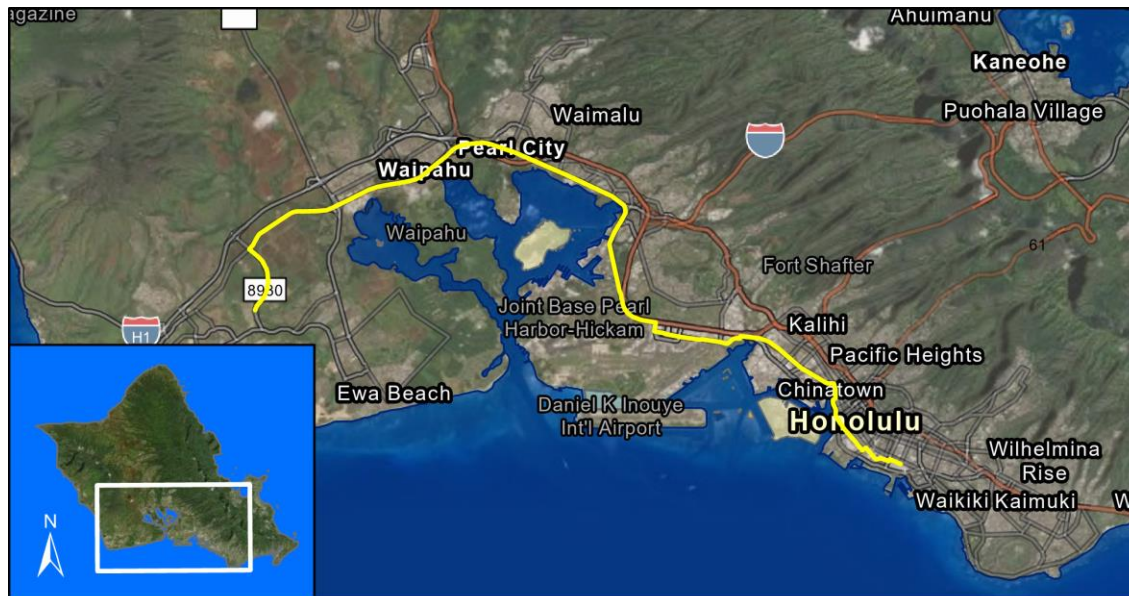
Estimated Total Project Cost: \$4,603,000

Total Project Cost Notes:
(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

Phase	FOR INFORMATION ONLY																		Funding Category
	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			
	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	594	475	119	1,363	1,090	273	632	505	127	651	521	130	671	537	134	692	554	138	\$5310
Total	594	475	119	1,363	1,090	273	632	505	127	651	521	130	671	537	134	692	554	138	



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

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): Island wide

Estimated Total Project Cost: \$2,582,000

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	672	537	135	357	285	72	374	299	75	393	314	79	393	314	79	393	314	79	\$5329
Total	672	537	135	357	285	72	374	299	75	393	314	79	393	314	79	393	314	79	

FTA: City and County of Honolulu

OC13 Bus and Handi-Van Acquisition Program



Project Description:

Purchase replacement transit buses and Handi-Van vehicles.

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: \$229,278,000

Total Project Cost Notes: Project funds may be flexed from FHWA to FTA.
(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			Funding Category	
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)	
INSP	49	39	10	49	39	10	49	39	10	49	39	10	49	39	10	49	39	10	\$5307/\$5340
2022																			
EQP	10,239	8,191	2,048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5307/\$5340
EQP	140	112	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5307/\$5340
EQP	418	334	84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5310
EQP	1,850	1,480	370	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5337
EQP	3,848	3,078	770	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5339
2023																			
EQP	0	0	0	63,778	51,022	12,756	0	0	0	0	0	0	0	0	0	0	0	0	\$5307/\$5340
EQP	0	0	0	12,500	10,000	2,500	0	0	0	0	0	0	0	0	0	0	0	0	\$5307/\$5340
EQP	0	0	0	426	341	85	0	0	0	0	0	0	0	0	0	0	0	0	\$5310
EQP	0	0	0	121	103	18	0	0	0	0	0	0	0	0	0	0	0	0	\$5337
EQP	0	0	0	1,886	1,509	377	0	0	0	0	0	0	0	0	0	0	0	0	\$5337
EQP	0	0	0	3,925	3,140	785	0	0	0	0	0	0	0	0	0	0	0	0	\$5339
EQP	0	0	0	3,814	3,051	763	0	0	0	0	0	0	0	0	0	0	0	0	\$5339
EQP	0	0	0	5,890	4,712	1,178	0	0	0	0	0	0	0	0	0	0	0	0	\$5339
EQP	0	0	0	23,694	20,000	3,694	0	0	0	0	0	0	0	0	0	0	0	0	FTA Grant

OC13 Bus and Handi-Van Acquisition Program

FOR INFORMATION ONLY																			
	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			Funding Category
	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)	
2023																			
EQP	0	0	0	10,000	10,000	0	0	0	0	0	0	0	0	0	0	0	0	0	HIP-CPF/CDS
INSP	0	0	0	481	385	96	0	0	0	0	0	0	0	0	0	0	0	0	\$5339
2024																			
EQP	0	0	0	0	0	0	12,050	9,640	2,410	0	0	0	0	0	0	0	0	0	\$5307/\$5340
EQP	0	0	0	0	0	0	435	348	87	0	0	0	0	0	0	0	0	0	\$5310
EQP	0	0	0	0	0	0	1,924	1,539	385	0	0	0	0	0	0	0	0	0	\$5337
EQP	0	0	0	0	0	0	4,004	3,203	801	0	0	0	0	0	0	0	0	0	\$5339
2025																			
EQP	0	0	0	0	0	0	0	0	0	12,839	10,271	2,568	0	0	0	0	0	0	\$5307/\$5340
EQP	0	0	0	0	0	0	0	0	0	444	355	89	0	0	0	0	0	0	\$5310
EQP	0	0	0	0	0	0	0	0	0	1,963	1,570	393	0	0	0	0	0	0	\$5337
EQP	0	0	0	0	0	0	0	0	0	4,084	3,267	817	0	0	0	0	0	0	\$5339
2026																			
EQP	0	0	0	0	0	0	0	0	0	0	0	0	16,333	13,066	3,267	0	0	0	\$5307/\$5340
EQP	0	0	0	0	0	0	0	0	0	0	0	0	1,354	1,083	271	0	0	0	\$5310
EQP	0	0	0	0	0	0	0	0	0	0	0	0	5,438	4,350	1,088	0	0	0	\$5337
EQP	0	0	0	0	0	0	0	0	0	0	0	0	481	385	96	0	0	0	\$5339
2027																			
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17,206	13,765	3,441	\$5307/\$5340
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,380	1,104	276	\$5310
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,548	4,438	1,110	\$5337
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	491	393	98	\$5339
Total	16,544	13,234	3,310	126,564	104,302	22,262	18,462	14,769	3,693	19,379	15,502	3,877	23,655	18,923	4,732	24,674	19,739	4,935	



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Project Description:

To modify bus stops and bring them into compliance 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: ADA compliant site improvements on bus stop shelter, pavement, and landing provide pedestrians and bicycles with access to transit.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$4,604,000

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	365	292	73	365	292	73	365	292	73	365	292	73	365	292	73	365	292	73	\$5307/\$5340
CON	251	201	50	1,040	832	208	251	201	50	251	201	50	251	201	50	251	201	50	\$5307/\$5340
CON	119	119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5310
Total	735	612	123	1,405	1,124	281	616	493	123	616	493	123	616	493	123	616	493	123	



Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, USDA, Earthstar Geographics, Esri, HERE, Garmin, FAO, NOAA, USGS, EPA

Project Description:

Plan, design, and construct a fixed guideway system between East Kapolei and Civic 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: \$9,148,050,000

Total Project Cost Notes:

(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

Phase	FFY 2022			FFY 2023			FFY 2024			FFY 2025			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 2026			FFY 2027				
													Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)	Total (x\$1000)	Federal (x\$1000)	Local (x\$1000)		
\$5307 Flex Funds																				
H RTP	0	0	0	66,000	55,000	11,000	30,000	25,000	5,000	30,000	25,000	5,000	12,000	10,000	2,000	12,000	10,000	2,000	\$5307/\$5340	
\$5309 American Rescue Plan Act																				
H RTP	70,000	70,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5309	
\$5309 New Starts																				
H RTP	0	0	0	165,000	125,000	40,000	330,000	250,000	80,000	165,000	125,000	40,000	165,000	125,000	40,000	157,080	119,000	38,080	\$5309	
TAP State - Chinatown Bike Facility																				
PE2/CON	0	0	0	0	0	0	250	200	50	0	0	0	0	0	0	0	0	0	\$5307/\$5340	
TAP State - Middle Loch Connector																				
CON	0	0	0	500	400	100	0	0	0	0	0	0	0	0	0	0	0	0	\$5307/\$5340	
TAP State - Secure Bicycle Storage																				
CON	0	0	0	0	0	0	500	400	100	0	0	0	0	0	0	0	0	0	\$5307/\$5340	
Total	70,000	70,000	0	231,500	180,400	51,100	360,750	275,600	85,150	195,000	150,000	45,000	177,000	135,000	42,000	169,080	129,000	40,080		



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

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	0	0	0	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	0	0	0	0	0	0	26,250	21,000	5,250	26,250	21,000	5,250	26,250	21,000	5,250	26,250	21,000	5,250	



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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: Not applicable.

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$6,905,000

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	0	0	0	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	Local
DES	0	0	0	91	73	18	91	73	18	91	73	18	91	73	18	91	73	18	§5307/§5340
CON	2	1	1	691	291	400	2	1	1	2	1	1	2	1	1	2	1	1	§5307/§5340
CON	0	0	0	3,125	2,500	625	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340
EQP	804	644	160	363	290	73	363	290	73	363	290	73	363	290	73	363	290	73	§5307/§5340
Total	806	645	161	4,271	3,154	1,117	457	364	93	457	364	93	457	364	93	457	364	93	



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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: \$146,000

Total Project Cost Notes:

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

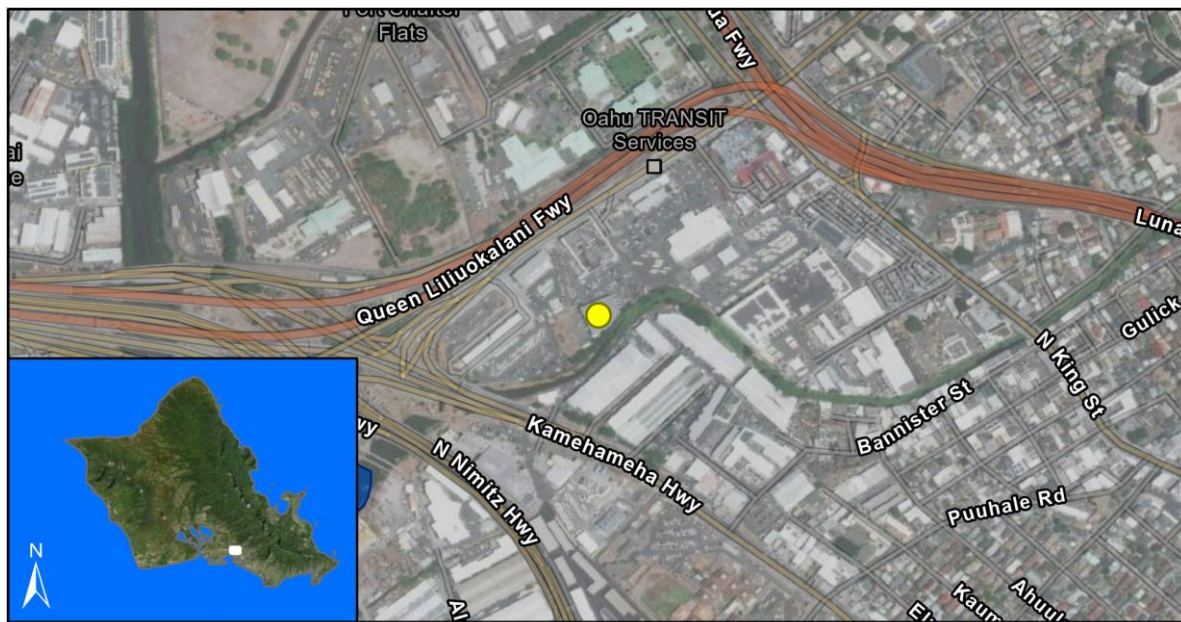
Project Sponsor: City and County of Honolulu

Agency Responsible for Carrying Out Project/Phase:

City Department of Transportation Services

FOR INFORMATION ONLY

Phase	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	28	22	6	29	23	6	29	23	6	30	24	6	30	24	6	\$5307/\$5340
Total	0	0	0	28	22	6	29	23	6	29	23	6	30	24	6	30	24	6	



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Project Description:

Acquire property located at the Middle Street Transit Center, plan, and design the entire transit campus.

Mile Post/s:

Complete Streets (CS):

Project will implement: Not applicable.

Existing Feature/s: Not applicable.

Project Website: None

Neighborhood(s): Kalihi-Palama

Estimated Total Project Cost: \$42,000,000

Total Project Cost Notes: All phases are locally funded, but are re-paying a federal det.

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

Project Sponsor: City and County of Honolulu

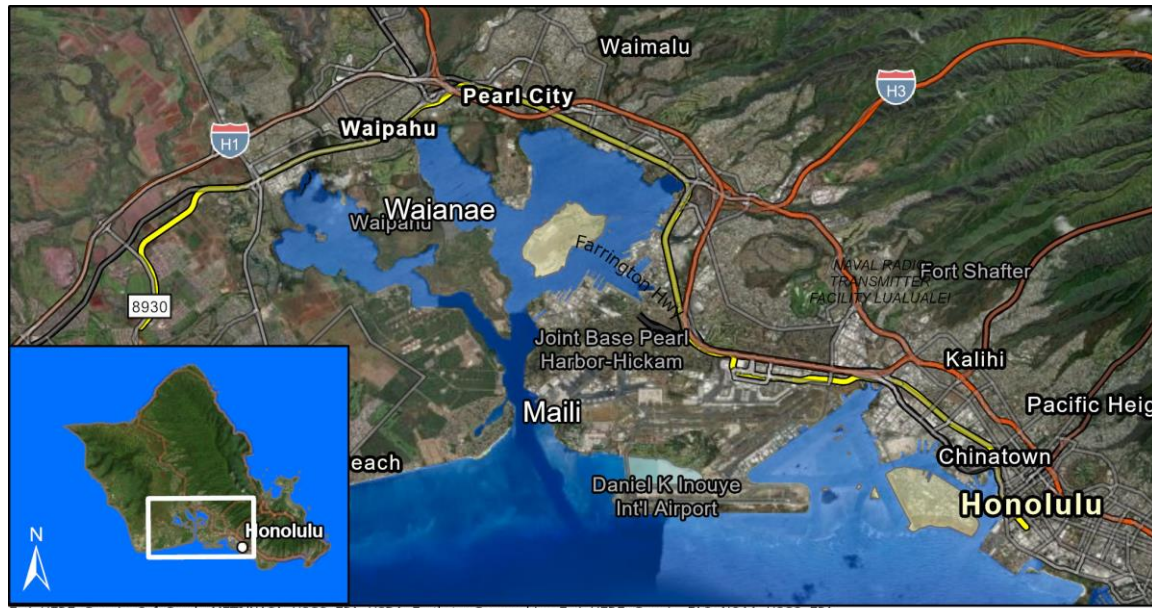
Agency Responsible for Carrying Out Project/Phase:

City Department of Transportation Services

FOR INFORMATION ONLY

Phase	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	0	0	0	1,056	845	211	0	0	0	0	0	0	0	0	0	0	0	0	\$5307/\$5340
PLN	0	0	0	-845	-845	0	0	0	0	0	0	0	0	0	0	0	0	0	\$5307/\$5340
DES	0	0	0	0	0	0	3,644	2,915	729	0	0	0	0	0	0	0	0	0	\$5307/\$5340
DES	0	0	0	0	0	0	-2,915	-2,915	0	0	0	0	0	0	0	0	0	0	\$5307/\$5340
CON	0	0	0	0	0	0	0	0	0	0	0	0	-12,937	-12,937	0	0	0	0	\$5307/\$5340
INSP	0	0	0	0	0	0	0	0	0	-423	-423	0	0	0	0	0	0	0	\$5307/\$5340
<i>Prior Transit Investment</i>																			
CON	0	0	0	0	0	0	0	0	0	0	0	0	16,171	12,937	3,234	0	0	0	\$5307/\$5340
INSP	0	0	0	0	0	0	0	0	0	529	423	106	0	0	0	0	0	0	\$5307/\$5340
Total	0	0	0	211	0	211	729	0	729	106	0	106	3,234	0	3,234	0	0	0	

OC-21-59 Intermodal Connectivity - TA Set-Aside (OahuMPO)



Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, USDA, Earthstar Geographics, Esri, HERE, Garmin, FAO, NOAA, USGS, EPA

Project Description:

The Transportation Alternatives (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.

Mile Post/s:

Complete Streets (CS):

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

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Various Locations

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

Total Project Cost Notes:

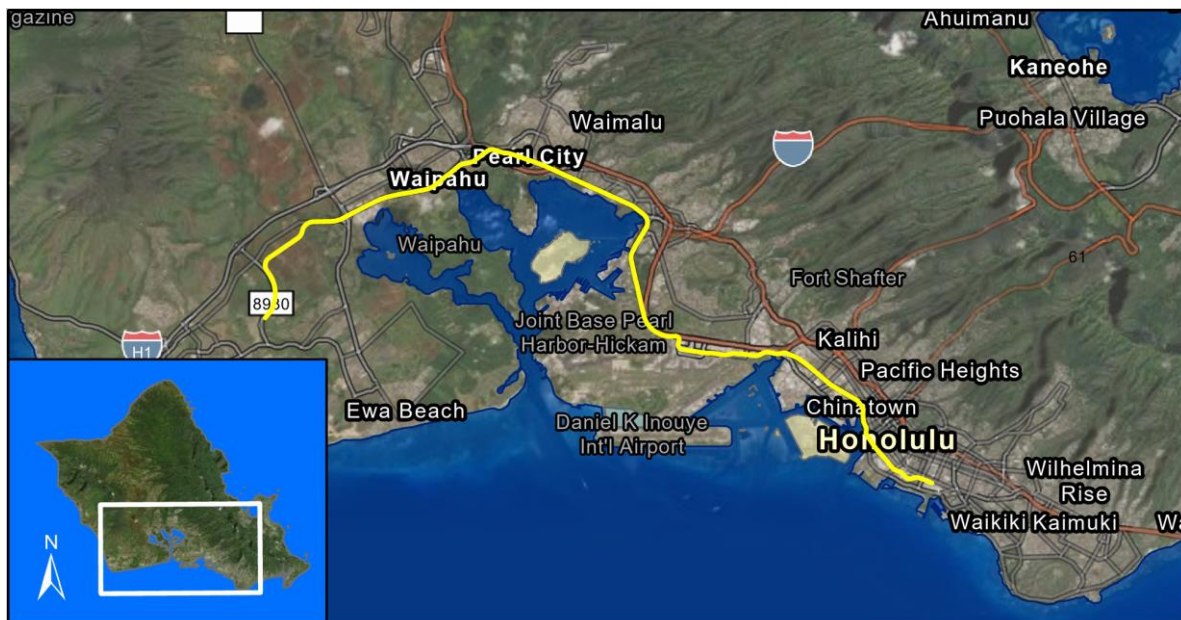
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: City and County of Honolulu

Agency Responsible for Carrying Out Project/Phase:

City Department of Transportation Services

													FOR INFORMATION ONLY						
	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Funding Category
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)	
Rail Station Multimodal Access Improvements - Halawa Station and Waiawa Station																			
PE1	0			1,250	1,000	250	0	0	0	0	0	0	0	0	0	0	0	0	\$5307/\$5340
PE2	0			2,642	2,113	529	0	0	0	0	0	0	0	0	0	0	0	0	\$5307/\$5340
CON	0	0	0	0	0	0	1,750	1,400	350	0	0	0	0	0	0	0	0	0	\$5307/\$5340
CON	0	0	0	0	0	0	15,200	0	15,200	0	0	0	0	0	0	0	0	0	Local
INSP	0	0	0	0	0	0	3,000	0	3,000	0	0	0	0	0	0	0	0	0	Local
Total	0	0	0	3,892	3,113	779	19,950	1,400	18,550	0	0	0	0	0	0	0	0	0	



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Project Description:

The Transportation Alternatives (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, and infrastructure projects for improving non-driver access to public transportation and enhanced mobility, and community improvement activities. Locations to be determined by the State TA Project Evaluation and Ranking process.

Mile Post/s:

Complete Streets (CS):

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

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Various Locations

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

Total Project Cost Notes:

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

Project Sponsor: City and County of Honolulu

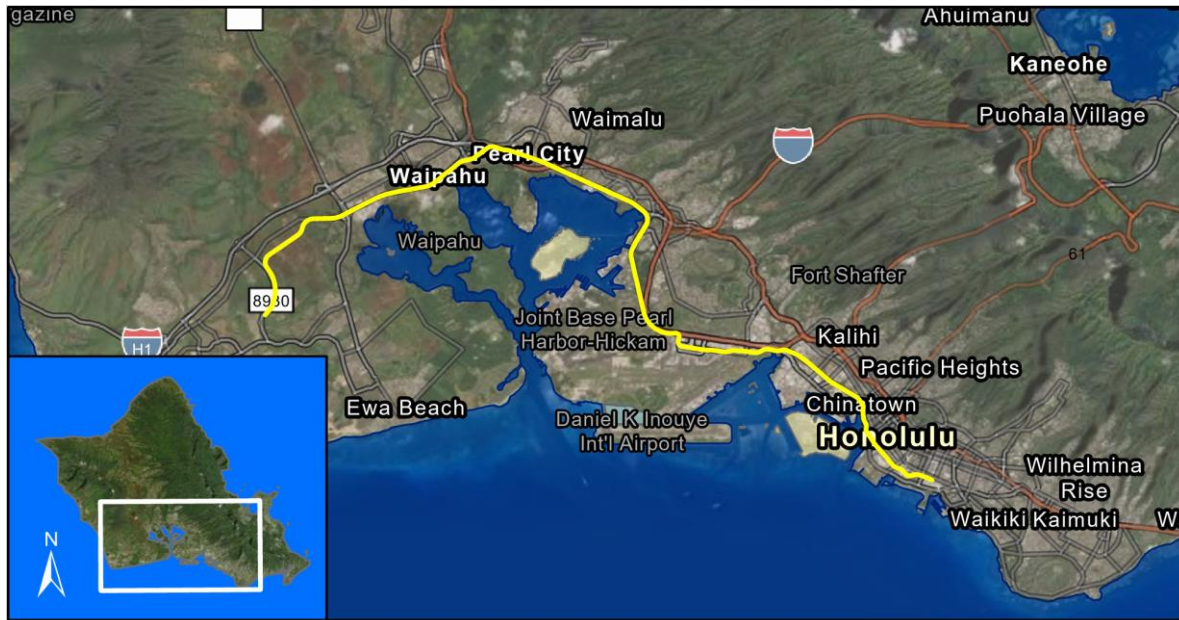
Agency Responsible for Carrying Out Project/Phase:

City Department of Transportation Services

FOR INFORMATION ONLY

Phase	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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 - Halawa Station and Waiawa Station																			
CON	0	0	0	0	0	0	8,100	6,480	1,620	0	0	0	0	0	0	0	0	0	\$5307/\$5340
CON	0	0	0	0	0	0	7,250	5,800	1,450	0	0	0	0	0	0	0	0	0	\$5307/\$5340
INSP	0	0	0	0	0	0	1,125	900	225	0	0	0	0	0	0	0	0	0	\$5307/\$5340
INSP	0	0	0	0	0	0	900	720	180	0	0	0	0	0	0	0	0	0	\$5307/\$5340
Total	0	0	0	0	0	0	17,375	13,900	3,475	0	0	0	0	0	0	0	0	0	

OC-22-67 Intermodal Connectivity Improvements



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Project Description:

Acquire land, plan, design, construct and inspect improvements to intermodal centers and transit complete street connections within communities.

Mile Post/s:

Complete Streets (CS):

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

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: \$132,000,000

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	200	0	200	500	0	500	500	0	500	200	0	200	200	0	200	\$5307/\$5340
PE2	0	0	0	800	0	800	1,200	0	1,200	1,200	0	1,200	800	0	800	800	0	800	\$5307/\$5340
CON	0	0	0	3,600	0	3,600	4,000	0	4,000	4,000	0	4,000	4,500	0	4,500	4,500	0	4,500	\$5307/\$5340
INSP	0	0	0	400	0	400	450	0	450	500	0	500	500	0	500	500	0	500	\$5307/\$5340
Total	0	0	0	5,000	0	5,000	6,150	0	6,150	6,200	0	6,200	6,000	0	6,000	6,000	0	6,000	



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Project Description:

Plan, design, construct, inspect and provide related equipment to City facilities infrastructure upgrade for electric charging stations. Projects may be flexed from FHWA to FTA.

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: \$86,000,000

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	100	0	100	100	0	100	50	0	50	50	0	50	50	0	50	\$5307/\$5340
PE2	0	0	0	1,300	0	1,300	100	0	100	50	0	50	450	0	450	450	0	450	\$5307/\$5340
CON	0	0	0	7,063	0	7,063	10,000	8,000	2,000	4,900	0	4,900	4,500	3,600	900	4,500	3,600	900	\$5307/\$5340
INSP	0	0	0	0	0	0	200	160	40	200	0	200	200	160	40	200	160	40	\$5307/\$5340
Total	0	0	0	8,463	0	8,463	10,400	8,160	2,240	5,200	0	5,200	5,200	3,760	1,440	5,200	3,760	1,440	

OC-22-69 Multimodal Transit Fare Collection System



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Project Description:

Expand Honolulu HOLO Smart Card System to be available Statewide at all Hawaii Public Transit Systems.

Mile Post/s:

Complete Streets (CS):

Project will implement: Not applicable.

Existing Feature/s: Not applicable.

Project Website: None

Neighborhood(s): Island wide

Estimated Total Project Cost: \$8,275,000

Total Project Cost Notes:

(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 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			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	828	828	0	0	0	0	0	0	0	0	0	0	0	0	0	HIP-CPF/CDS
PE2	0	0	0	3,309	3,309	0	0	0	0	0	0	0	0	0	0	0	0	0	HIP-CPF/CDS
CON	0	0	0	0	0	0	3,310	3,310	0	0	0	0	0	0	0	0	0	0	HIP-CPF/CDS
INSP	0	0	0	0	0	0	828	828	0	0	0	0	0	0	0	0	0	0	HIP-CPF/CDS
Total	0	0	0	4,137	4,137	0	4,138	4,138	0	0	0	0	0	0	0	0	0	0	

APPENDICIES

[Appendix A: Project and Program Prioritization Process](#)

[Appendix B: Scoring of New Projects and Programs](#)

[Appendix C: Title VI and Environmental Justice Analysis](#)

[Appendix D: Intergovernmental and Public Review](#)

[Comments Appendix E: Annual Listing of Obligated Projects](#)

[Appendix F: Self-Certification](#)

[Appendix G: Federal Certification](#)

[Appendix H: TIP Definitions](#)