TRANSPORTATION IMPROVEMENT PROGRAM

FEDERAL FISCAL YEARS 2022 – 2025

As of Revision #8

September 2022

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ABBREVIATIONS

Acronyms

ADA	Americans with Disabilities Act
CAC	Citizen Advisory Committee
CFR	Code of Federal Regulations
CMP	Congestion Management Process
DTS	City and County of Honolulu Department of Transportation Services
EJ	Environmental Justice
FAST Act	Fixing America's Surface Transportation Act
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
FFY	Federal Fiscal Year (October 1- September 30)
GET	General Excise Tax
HART	Honolulu Authority for Rapid Transportation
HDOT	Hawaii Department of Transportation
HSIP	Highway Safety Improvement Program
IGR	Intergovernmental Review
OahuMPO	Oahu Metropolitan Planning Organization
ORTP	Oahu Regional Transportation Plan
SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users
STIP	Statewide Transportation Improvement Program
TAC	Technical Advisory Committee
TAM	Transit Asset Management
TAX	Transit Accommodation Tax
TERM	Transit Economic Requirements Model
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)

OS Bridge	Off-System Bridges
CMAQ	Congestion Mitigation and Air Quality Program
ER	Emergency Relief Program
FLAP	Federal Lands Access Program
NHPP	National Highway Performance Program
HSIP	Highway Safety Improvement Program
RHCP	Rail-Highway Crossings Program
SRTS	Safe Routes to School
STBG	Surface Transportation Block Grant Program
TA	Transportation Alternatives Set-Aside
TA-U	Transportation Alternatives Set Aside for Urbanized Areas
RTP	Recreational Trails Program

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
§5340	Growing States and High-Density States Formula

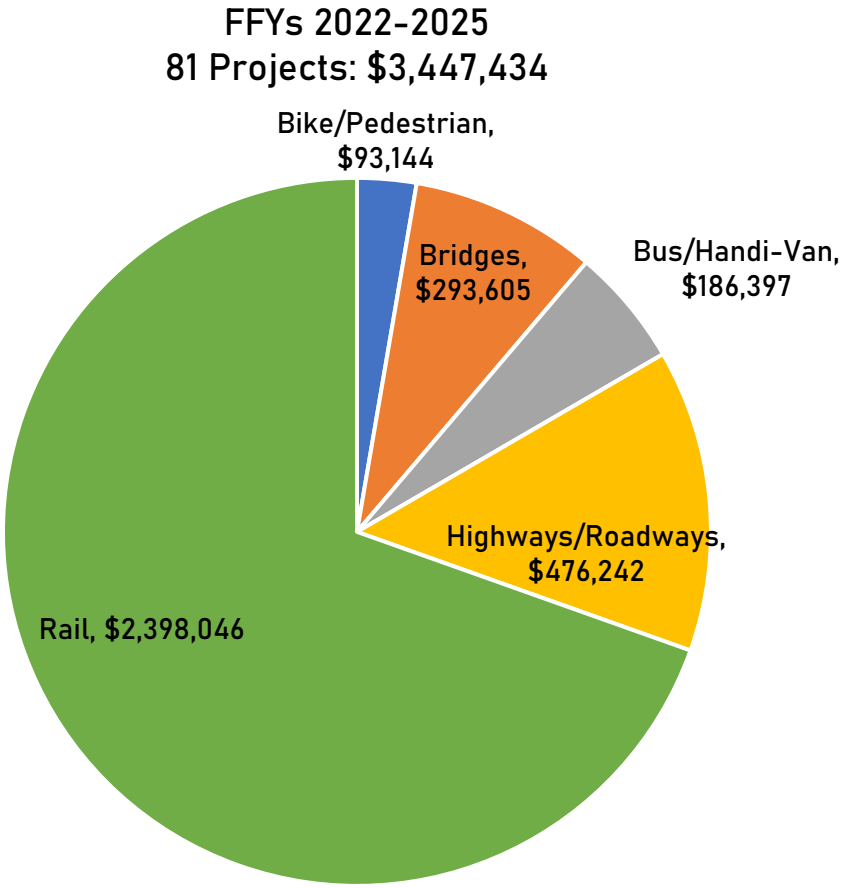
Local Funding

Local Only	Locally Funded

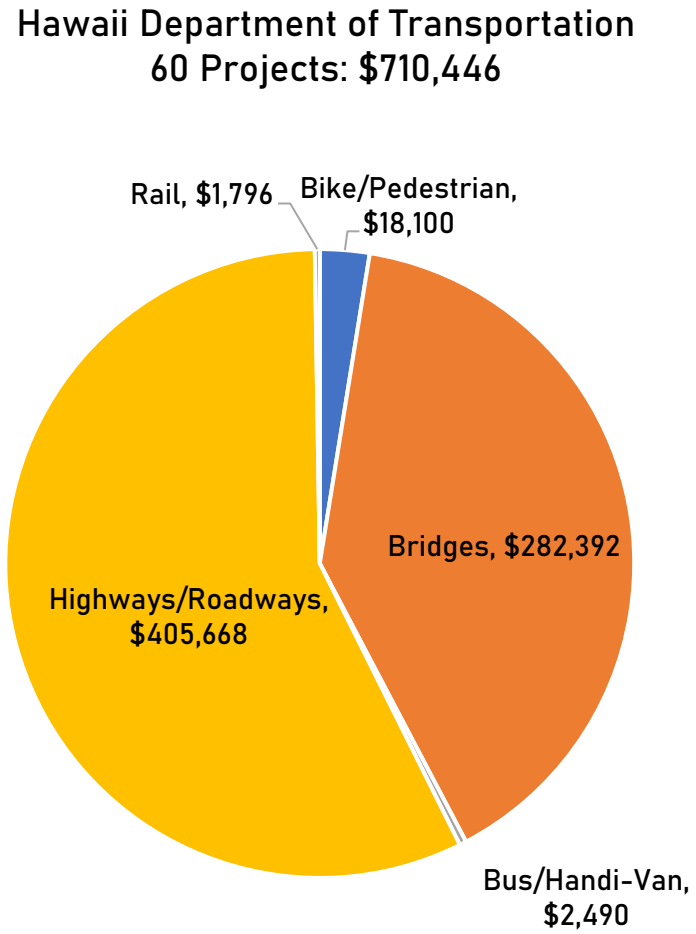
Project Phases (In Chronological Order)

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

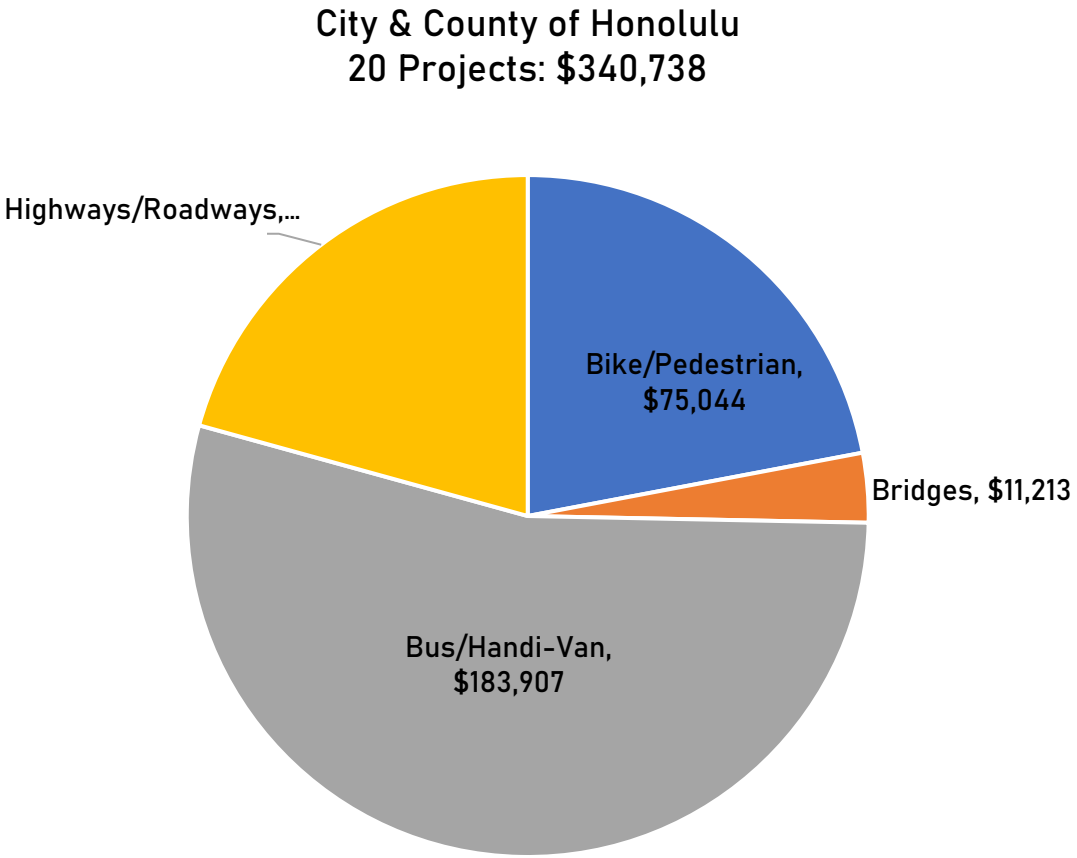
DISTRIBUTION OF FUNDS (x1000)



FFYs 2022-2025 DISTRIBUTION OF FUNDS BY PROJECT AGENCIES (x1000)

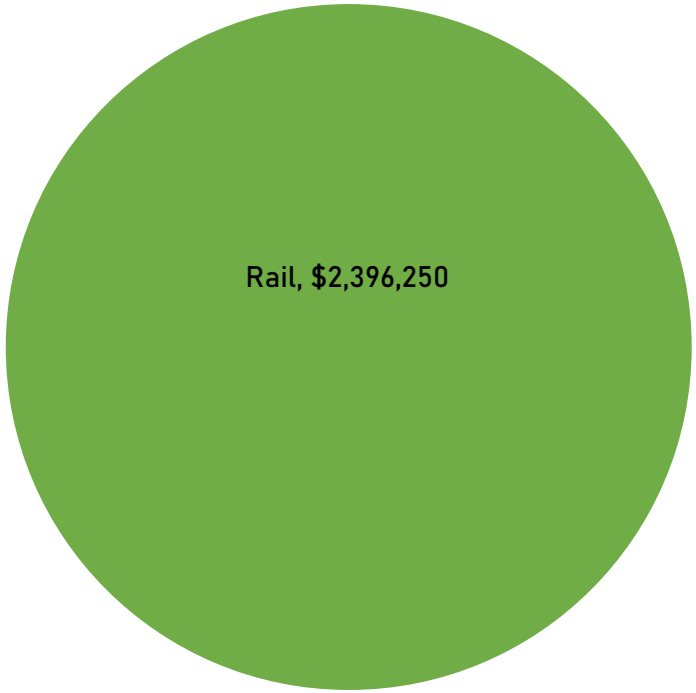


FFYs 2022-2025 DISTRIBUTION OF FUNDS BY PROJECT AGENCIES (x1000)



FFYs 2022-2025 DISTRIBUTION OF FUNDS BY PROJECT AGENCIES (x1000)

Honolulu Authority for Rapid Transportation
1 Project: $2,396,250



INTRODUCTION

The Oahu Metropolitan Planning Organization (OahuMPO) is the metropolitan planning organization for the island of Oahu. The OahuMPO is designated by the governor of the state to plan for, coordinate, and program the many transportation investments in the region. The Transportation Improvement Program (TIP) is a short-term program which lists all surface transportation projects on the island of Oahu that are eligible for Federal funding or that are regionally significant. The TIP covers a period of four years and contains two additional years for illustrative purposes. The TIP is updated every three years and revised at least twice a year.

The Hawaii Department of Transportation (HDOT), the City and County of Honolulu Department of Transportation Services (DTS), and the Honolulu Authority for Rapid Transportation (HART), all include projects within the TIP. The TIP identifies the highway, public transit, arterial and local street, pedestrian, and alternative transportation projects that will receive Federal transportation funds in the programmed Federal Fiscal Years (FFYs). All projects that involve Federal funds or are regionally significant must be reviewed and approved by the Oahu Metropolitan Planning Organization Policy Board.

Requirements:

- The TIP is required to be financially constrained by year, meaning that all projects can be implemented using committed, available, or reasonably available resources.
- The TIP must include a financial plan that demonstrates which projects can be implemented using current revenue sources and which projects are to be implemented using proposed revenue sources.
- All projects must be consistent with the Oahu Regional Transportation Plan (ORTP).
- All projects must be 'ready-to-go' in the year that they are programmed to be funded.
- All projects must have the matching local funds in place.
- All projects must meet at least one of the Fixing America's Surface Transportation Act (FAST Act) planning factors.

DEVELOPMENT PROCESS

The OahuMPO develops a new TIP every three years as detailed below.

Development of Financial Estimates

The OahuMPO, HDOT, DTS and HART cooperatively formulate estimates of Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) funds that are reasonably expected to be available for projects on the island of Oahu.

Call for Projects

The OahuMPO formally calls for projects from the implementing agencies. In response, the HDOT, DTS and HART submit projects to be considered for inclusion in the TIP. Since the current ORTP and TIP were updated in the same year, OahuMPO established a call for eligible projects simultaneously.

Project Prioritization and Selection

The OahuMPO created a project and program prioritization process to assist with project selection. The evaluation of the received projects and programs is done using measurable criteria based on the goals in the ORTP as it provides a quantitative method to compare projects and programs proposed for the TIP using the following process:

- Project and Program Consistency with the ORTP
- Project and Program Evaluation
- Project and Program Scoring Review by OahuMPO ORTP working group, TAC, CAC, and Policy Board

The entire project and program prioritization process is available in Appendix A with scoring for new projects and programs listed in Appendix B.

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 which is available in Appendix C

Public Outreach

Public outreach efforts for the TIP are guided by the requirements and recommendations outlined in the OahuMPO Public Participation Plan. The public outreach process for the current TIP informally began with public outreach for the ORTP. The initial outreach occurred from January 2019 through May 2019 with in-person information and outreach booths, focus groups, and an online survey. These initial outreach methods were utilized to develop the vision and goals for the ORTP.

As a result of COVID-19, OahuMPO shifted outreach strategies to virtual methods including virtual open houses, virtual community meetings, and an online survey from October 2020 through March 2021. Virtual open houses provided an opportunity for the community to ask questions of the project agency sponsors and provide feedback on the proposed projects and programs in the ORTP. Seven community meetings were hosted by OahuMPO staff, project agency sponsors (HDOT, DTS, and HART), and Honolulu City Councilmembers. The strategies employed were used to collect feedback on the proposed projects and programs of the ORTP, which subsequently included an opportunity for the community to comment on the proposed TIP projects and programs. In total, 140 number of comments were received during the community meetings from 50 participants. Comments and questions from the community meetings were directed to the appropriate agency for response and were documented and provided in writing to the project agency sponsors and the Policy Board for consideration.

The OahuMPO also conducted three open houses specifically for the TIP, co-hosted with project agency sponsors in June 2021. The MPO scheduled these open house sessions to include a midday (12:00pm-1:30pm), evening (6:00pm-7:30pm), and weekend (10:00am-

11:30am) option in efforts to provide the community ample opportunities to participate. A presentation about the purpose and importance of the TIP was shared by the OahuMPO. Participants were then given the opportunity to ask questions and provide comments about the proposed projects and programs. Notice of the open houses and opportunity to provide comments were distributed through the OahuMPO email list, a press release by the HDOT, the OahuMPO website, and the OahuMPO Facebook.

- OahuMPO email list: Three newsletter emails were sent to 501 subscribers publicizing the TIP public comment period and open houses.
- HDOT press release: An email was distributed to 2,044 recipients publicizing the TIP public comment period and open houses.
- OahuMPO website: TIP public comment period and open houses were shared on the website and calendar.
- OahuMPO Facebook: Information publicizing the TIP public comment period and open houses were posted nine times from May 27, 2021- June 14, 2021, which resulted in 202 views and 12 engagements.

Public and Intergovernmental Review (IGR)

The Public and IGR period was held from June 4, 2021 to June 22, 2021. The CAC, the public, mandated stakeholders, and federally required agencies were emailed and/or mailed notifications of the final draft TIP, how to provide comments, and a deadline to provide comments. The Public and IGR period was also promoted through the OahuMPO email list, a press release by HDOT and the OahuMPO Facebook. The TIP webpage also gave notice of the Public and IGR period, and provided the final draft TIP, an online map to visualize project locations, and information about how to provide comments. All comments received, as well as responses to the comments were provided to the Policy Board for their consideration when selecting projects for the final TIP. A total of 60 comments were received and the responses provided is available in Appendix D and on the OahuMPO website.

Committee and Policy Board Consideration

The final draft TIP must also be considered by both the CAC, comprised of representatives from neighborhood boards and organizations representing resident transportation needs and the TAC, comprised of representatives from transportation and government agencies. The Policy Board reviews their recommendations along with agency consultations, technical analyses, and public comments to decide whether to endorse the TIP.

TIP Approval

Following endorsement by the Policy Board, the TIP is then sent to the Governor's designee, currently the HDOT director for approval.

STIP Incorporation

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

The TIP is frequently revised to reflect changes in project delivery schedules, changes in cost estimates and/or in scope, and changes in management systems and administrative priorities. A revision refers to a change to the TIP that occurs between the triennial updates. A minor revision is an "administrative modification," while a major revision is an "amendment."

Pre-Approved Administrative Modifications:

Pre-approved administrative modifications are minor revisions that are considered pre-approved and can be immediately processed without prior review by the OahuMPO Committees and Policy Board. No solicitation of public comment or re-demonstration of financial constraint is required (23 CFR 450.104). However, it is assumed that financial constraint shall be re-established through the next TIP amendment process and the following must be true:

- The administrative modifications must not affect the financial constraint of the TIP.
- The administrative modifications must not result in the addition of another project (excluding the addition of projects in grouped listings or programs) and the funding amounts must stay within the guidelines defined in the TIP Policies and Procedures.
- The administrative modifications must not result in the deletion of project, including the deferral of a project to a year that is outside of the first four years of the TIP.
- The implementing agency for the project must concur with the actions.

Expedited Administrative Modifications:

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

Amendments:

TIP amendments are submitted to the TAC, the Policy Board, and the Governor's designee for action. Financial constraint is re-demonstrated and consistent with 23 CFR 450.220, the technical analyses are re-run, including the T6/EJ analysis, and the

performance measure and Congestion Management Process (CMP) impacts are reassessed. Public comments are also solicited based on the procedures outlined in the OahuMPO Public Participation Plan, and the public comment period begins once the Amendment is posted on the OahuMPO website. Comments and the responses must be documented within the TIP Amendment document.

The TIP may be revised at any time if time permits. There are two planned revision cycles in each federal fiscal year as described in the table below.

Step	Description	First Revision (Fall/Winter)	Second Revision (Spring/Summer)
Step 1: Identify Revisions	Early coordination: Send DTS and HART official email that TIP revision requests are due in 3 months	August	January
	HDOT schedules Over-the-Shoulder-Reviews (OSRs) with HDOT, DTS, HART	October-November	March-April
	TIP revision requests due to OahuMPO	November	April
Step 2: Draft TIP Revision	OahuMPO develops and finalizes draft TIP revision	December	April-May
	HDOT, DTS, and HART review draft TIP revision	December	April-May
	OahuMPO reruns analyses, and prepares a fiscally constrained draft revision document for distribution	December	May
Step 3: Public and IGR Comments	Revisions posted to OahuMPO website and public and agency comment period begins	January	June
	Public comments and shared with the Committees and Policy Board	January	June
Step 4: Committee Consideration, Approval, and STIP incorporation	TAC consideration	February	July
	Policy Board Action	February-March	July
	OahuMPO sends letter to Governor's designee for approval of the TIP Amendment	March	July-August
	OahuMPO sends letter to HDOT requesting to incorporate TIP revision into the STIP	March	August
Step 5: Finalize	TIP/STIP Amendment jointly approved by FHWA and FTA	March	August
	OahuMPO website updated with date of revision approval and final revision document	March	August
	A full "As of revision #X" TIP document is created and uploaded to the OahuMPO website	March	August

REVISION HISTORY

The current FFY 2022-2025 TIP was endorsed by the Policy Board in July 2021. Since then, it has been revised 8 times through September 2022. A summary 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 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 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 Modifications	September 2022	1	0	0	1
Total			74	2	10	86

FUNDING

Funding for all projects must be identified and can come from federal, state, and local funding sources. Descriptions for each funding source along with eligible uses, limitations, and availability is provided below.

FHWA funding sources:

Congestion Mitigation & Air Quality Improvement Program

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

Highway Safety Improvement Program

The purpose of the Highway Safety Improvement Program (HSIP) is to reduce traffic fatalities and serious injuries on all public roads. The HSIP requires a data-driven, strategic approach to improving highway safety on all public roads that focuses on performance. Projects must be consistent with the State's Strategic Highway Safety Program and must be identified on the basis of crash experience, potential, rate, and/or other data-driven means.

National Highway Performance Program (NHPP)

The NHPP provides support for the condition and performance of the National Highway System (NHS), for the construction of new facilities on the NHS, and to ensure that investments of federal-aid funds in highway construction are directed to support progress toward the achievement of performance targets established in the State asset management plan for the NHS. Projects must be on an eligible facility and support progress toward achievement of national performance goals for improving infrastructure condition, safety, mobility, or freight movement on the NHS, and be consistent with Metropolitan and Statewide planning requirements. For Oahu this includes Interstate routes, freeways and specially designated "principal arterials".

Surface Transportation Block Grant Program (STBG)

This program provides flexible funding to best address State and local transportation needs. The STBG funds are meant to benefit minor arterial and collector roadways rather than the more critical principal arterials funded by the NHPP and other programs. The FHWA apportions funding as a lump sum for each State. That sum is then divided among apportioned programs. Part of the State's STBG apportionment is to be set aside for: Transportation Alternatives (TA), 2% for State Planning and Research, and bridges not on federal-aid highways ("Off-system bridges"). A State may also transfer up to 50% of the remaining STBG funds to the National Highway Performance Program, National Highway Freight Program, Highway Safety Improvement Program, and Congestion Mitigation and Air Quality Improvement Program. The STBG program has the most flexible eligibilities among all federal-aid highway programs. Funds can be used for a wide range of projects, such as for projects on any federal-aid highway, or for reconstruction, resurfacing, restoration, rehabilitation, or preservation of a bridge on any public road, roadway widening, roadway reconstruction, transit capital projects, public bus terminals and facilities, ridesharing projects, etc.

Transportation Alternatives

Transportation Alternatives (TA) is funded by set-aside Surface Transportation Block Grant program funding and are referred to as TA Set-Aside funds. The TA program 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, community improvements such as historic preservation, vegetation management, certain environmental mitigation, recreational trails, and safe routes to school projects. Similar to the STBG funds, a portion of TA funds are sub-allocated based on population. All projects interested in using TA Set-Aside funds must got through a competitive application process.

Recreational Trails Program

Part of the Transportation Alternatives funds is set aside for the Recreational Trails Program (RTP). The RTP is a state-administered, federal assistance program to develop and maintain recreational trails and trail-related facilities for both non-motorized and motorized recreational trail uses. Nationwide, federal transportation funds benefit recreational uses such as hiking, bicycling, in-line

skating, equestrian use, cross-country skiing, snowmobiling, off-road motorcycling, all-terrain vehicle riding, four-wheel driving, or using other off-road motorized vehicles.

Off-System Bridges

The "Off-System" Bridge Program contains set-aside funds from the Surface Transportation Block Grant Program. The program provides funds to replace or rehabilitate deficient bridges that are not on the federal-aid road system, therefore bridges on local roads or rural minor collectors.

Discretionary

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

FTA funding sources:

§5307 Urbanized Area Formula Grants

The Urbanized Area Formula Funding program (49 U.S.C. 5307) makes federal resources available to urbanized areas and to governors for transit capital and operating assistance in urbanized areas and for transportation-related planning. An urbanized area is an incorporated area with a population of 50,000 or more that is designated as such by the U.S. Department of Commerce, Bureau of the Census.

§5340 Growing States and High-Density States Formula Program

The Growing States and High-Density States Formula Program (49 U.S.C. 5340) 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. Recipients of funds are existing Urbanized Area (Section 5307) and Rural Area (Section 5311) formula fund recipients.

§5309 Capital Investment Grants

This FTA discretionary grant program funds transit capital investments, including heavy rail, commuter rail, light rail, streetcars, and bus rapid transit. Federal transit law requires transit agencies seeking Capital Investment Grant funding to complete a series of steps over several years. For New Starts and Core Capacity projects, the law requires completion of two phases in advance of receipt of a construction grant agreement – Project Development and Engineering.

For Small Starts projects, the law requires completion of one phase in advance of receipt of a construction grant agreement – Project Development. The law also requires projects to be rated by FTA at various points in the process according to statutory criteria evaluating project justification and local financial commitment.

§5310 Enhanced Mobility of Seniors & Individuals with Disabilities

This program (49 U.S.C. 5310) 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. Funds are apportioned based on each state's share of the population for these two groups. Formula funds are apportioned to direct recipients; for rural and small urban areas, this is the state Department of Transportation, while in large urban areas, a designated recipient is chosen by the governor. Direct recipients have flexibility in how they select subrecipient projects for funding, but their decision process must be clearly noted in a state/program management plan. The selection process may be formula-based, competitive or discretionary, and subrecipients can include states or local government authorities, private non-profit organizations, and/or operators of public transportation.

The program aims to improve mobility for seniors and individuals with disabilities by removing barriers to transportation service and expanding transportation mobility options. This program supports transportation services planned, designed, and carried out to meet the special transportation needs of seniors and individuals with disabilities in all areas – large urbanized (over 200,000), small urbanized (50,000-200,000), and rural (under 50,000). Eligible projects include both "traditional" capital investment and "nontraditional" investment beyond the Americans with Disabilities Act (ADA) complementary paratransit services.

§5329 Public Transportation Safety and Oversight

This section requires FTA to implement and maintain a national public transportation safety program to improve the safety of all public transportation systems that receive federal funding. The safety program includes a national public transportation safety

plan, a safety certification training program, a public transportation agency safety plan, and a state safety oversight program. Under the FAST Act, section 5329 provides for a temporary Federal assumption of rail transit safety oversight, under certain circumstances. This section also authorizes FTA to issue restrictions and prohibitions to address unsafe conditions or practices, and to withhold funds for non-compliance with safety requirements.

§5337 State of Good Repair Grants

The State of Good Repair Grants Program (49 U.S.C. 5337) 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. Additionally, SGR grants are eligible for developing and implementing Transit Asset Management plans.

§5339 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, the Grants for Buses and Bus Facilities program (49 U.S.C. 5339) 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 imposes taxes, fees, and charges relating to the operation and use of motor vehicles on public highways which are deposited in the State Highway Fund section of the State Special Funds and are used for acquisition, planning, design, construction, repair, and maintenance of the State Highway System.

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

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

City and County of Honolulu

The City funding comes primarily from the Highway Fund (not to be confused with the State Highway Fund) and the Public Transportation System. The Highway Fund includes special revenue proceeds relating to the City fuel tax, motor vehicle weight tax, and public utility franchise tax which are earmarked by law for highway and related activities. Funding from the Public Transportation System include charges services, operating grants/contributions, Highway Fund, and General Fund. Funding for HART include charges for services, capital grants/contributions, investment earnings, and intergovernmental transfers such as the General Excise Tax (GET).

Where local funding is identified in the TIP for City projects, funds from existing revenue sources are programmed. While it is anticipated that local funding will be available at the levels programmed in this document, enactment of the City annual budget ordinances is still required.

HART

HART is responsible for building the commuter rail system for the City and County of Honolulu. The local share of project costs is currently funded through a dedicated half percent surcharge on the State GET and a one percent surcharge on the Transient Accommodation Tax (TAX) until 2030.

FINANCIAL CONSTRAINT

The TIP 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 (23 CFR 450.326).

The tables below show a summary by funding source for each program year based by the type of federal funding.

FHWA Funded Projects: Hawaii Department of Transportation

For Information Only

Funding Category	FFY 2022 (x1000)			FFY 2023 (x1000)			FFY 2024 (x1000)			FFY 2025 (x1000)			FFY 2026 (x1000)			FFY 2027 (x1000)		
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local
Enhance	$0	$3,457	-$3,457	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
HSIP	$15,800	$14,887	$913	$2,000	$3,600	-$1,600	$100	$0	$100	$2,000	$1,600	$400	$100	$0	$100	$2,000	$1,600	$400
Local Only	$22,500	$0	$22,500	$21,000	$0	$21,000	$21,000	$0	$21,000	$42,000	$0	$42,000	$21,000	$0	$21,000	$57,000	$0	$57,000
NHPP	$87,515	$141,624	-$54,109	$196,155	$130,279	$65,876	$144,478	$132,155	$12,323	$100,703	$121,832	-$21,129	$83,917	$102,831	-$18,914	$73,697	$84,065	-$10,368
RHCP	$0	$0	$0	$2,300	$2,070	$230	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
STBG	$41,000	$12,800	$28,200	$4,800	$13,840	-$9,040	$7,809	$12,247	-$4,438	$0	$4,000	-$4,000	$0	$0	$0	$0	$0	$0
Total	$166,815	$172,768	-$5,953	$226,255	$149,789	$76,466	$173,387	$144,402	$28,985	$144,703	$127,432	$17,271	$105,017	$102,831	$2,186	$132,697	$85,665	$47,032

FHWA Funded Projects: City & County of Honolulu

For Information Only

Funding Category	FFY 2022 (x1000)			FFY 2023 (x1000)			FFY 2024 (x1000)			FFY 2025 (x1000)			FFY 2026 (x1000)			FFY 2027 (x1000)		
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local
FLAP	$0	$0	$0	$1,375	$1,100	$275	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
HSIP	$150	$120	$30	$35	$30	$5	$620	$496	$124	$0	$0	$0	$0	$0	$0	$0	$0	$0
Local Only	$30,020	$0	$30,020	$2,031	$0	$2,031	$0	$0	$0	$0	$0	$0	$49	$0	$49	$10	$0	$10
OS BRIDGE	$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
STBG	$14,729	$11,766	$2,963	$13,809	$11,946	$1,863	$13,985	$11,188	$2,797	$16,330	$13,063	$3,267	$31,046	$25,776	$5,270	$375	$300	$75
TA	$0	$0	$0	$0	$0	$0	$209	$167	$42	$1,683	$1,346	$337	$0	$0	$0	$0	$0	$0
TA-U	$0	$0	$0	$1,250	$1,000	$250	$1,250	$1,000	$250	$1,250	$1,000	$250	$1,250	$1,000	$250	$0	$0	$0
Total	$46,679	$13,086	$33,593	$22,140	$16,476	$5,664	$18,977	$14,803	$4,174	$22,143	$17,339	$4,804	$35,985	$29,176	$6,809	$4,025	$2,700	$1,325
FHWA Total	$213,494	$185,854	$27,640	$248,395	$166,265	$82,130	$192,364	$159,205	$33,159	$166,846	$144,771	$22,075	$141,002	$132,007	$8,995	$136,722	$88,365	$48,357

FTA Funded Projects: Hawaii Department of Transportation

For Information Only

Funding Category	FFY 2022 (x1000)			FFY 2023 (x1000)			FFY 2024 (x1000)			FFY 2025 (x1000)			FFY 2026 (x1000)			FFY 2027 (x1000)		
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local
§5310	$594	$475	$119	$613	$490	$123	$632	$505	$127	$651	$521	$130	$671	$537	$134	$692	$554	$138
§5329	$672	$537	$135	$357	$285	$72	$374	$299	$75	$393	$314	$79	$393	$314	$79	$393	$314	$79
Total	$1,266	$1,012	$254	$970	$775	$195	$1,006	$804	$202	$1,044	$835	$209	$1,064	$851	$213	$1,085	$868	$217

FTA Funded Projects: City & County of Honolulu

For Information Only

Funding Category	FFY 2022 (x1000)			FFY 2023 (x1000)			FFY 2024 (x1000)			FFY 2025 (x1000)			FFY 2026 (x1000)			FFY 2027 (x1000)		
	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	Federal	Local
§5307/§5340	$18,354	$12,993	$5,361	$65,677	$52,540	$13,137	$39,450	$31,559	$7,891	$40,239	$32,190	$8,049	$43,734	$34,986	$8,748	$44,607	$35,685	$8,922
§5309 ARPA	$70,000	$70,000	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
§5309 NS	$0	$0	$0	$781,250	$250,000	$531,250	$1,543,750	$494,000	$1,049,750	$0	$0	$0	$0	$0	$0	$0	$0	$0
§5310	$418	$334	$84	$426	$341	$85	$435	$348	$87	$444	$355	$89	$0	$0	$0	$0	$0	$0
§5310 ARPA & CRRSAA	$119	$119	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
§5310-Urban	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1,354	$1,083	$271	$1,380	$1,104	$276
§5337 SOGR	$1,850	$1,480	$370	$1,886	$1,509	$377	$1,924	$1,539	$385	$1,963	$1,570	$393	$5,438	$4,350	$1,088	$5,548	$4,438	$1,110
§5339	$3,848	$3,078	$770	$3,925	$3,140	$785	$4,004	$3,203	$801	$4,084	$3,267	$817	$481	$385	$96	$491	$393	$98
Local Funds (FTA project)	$0	$0	$0	$1	$0	$1	$38,001	$0	$38,001	$1	$0	$1	$1	$0	$1	$1	$0	$1
Total	$94,589	$88,004	$6,585	$853,165	$307,530	$545,635	$1,627,564	$530,649	$1,096,915	$46,731	$37,382	$9,349	$51,008	$40,804	$10,204	$52,027	$41,620	$10,407
FTA Total	$95,855	$89,016	$6,839	$854,135	$308,305	$545,830	$1,628,570	$531,453	$1,097,117	$47,775	$38,217	$9,558	$52,072	$41,655	$10,417	$53,112	$42,488	$10,624

CONGESTION MANAGEMENT

As part of the transportation planning process, the OahuMPO is required to maintain a Congestion Management Process (CMP) which is a systematic and regionally accepted approach for managing congestion that provides accurate and up-to-date information on transportation system performance (23 CFR 450.322). The purpose of the CMP is to comprehensively consider possible strategies, evaluate projects from diverse viewpoints, and meaningfully involve key stakeholders to support strategic regional choices in congestion management, such as improving roadways, expanding transit capacity, encouraging bicycling, and ensuring safe walking environments.

The criteria used by OahuMPO to evaluate and select TIP projects include several measures that are linked to the CMP. The CMP can be directly linked to eight of the fourteen TIP project and program evaluation criteria. The eight evaluation criteria and their respective ORTP goals are as follows:

- Goal 1: Improve the safety of the transportation system
    - 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
- Goal 2: Support active and public transportation
    - 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

- Goal 6: Support a reliable and efficient transportation system

    - 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

More information about the Congestion Management Process is available in the OahuMPO CMP Report.

The following table list the projects and programs that are expected to mitigate congestion.

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.	$11,879
OC13	Bus and Handi-Van Acquisition Program	Purchase replacement transit buses and Handi-Van vehicles.	$98,199
OC14	Bus Stop ADA Access and Site Improvements	Modify bus stops to comply with the Americans with Disabilities Act (ADA). Improve the mobility independence for transit users of all ages and abilities, pedestrian access, and the number of ADA accessible bus stops.	$2,583

Project #	Project Name	Project Description	FFY 2022-2025 Total (x1000)
OC16	Honolulu Rail Transit Project	Plan, design, and construct a fixed guideway system between East Kapolei and Ala Moana Center. The system includes stations and related appurtenances, park-and-ride facilities, a maintenance and storage facility, light metro vehicles, and associated core systems.	$2,396,250
OC2	Bikeway Improvements Program	This is an ongoing island wide program for the implementation of the Oahu Bicycle Master Plan improvements, the development of new projects, and the upgrade of existing bicycle projects.	$818
OC-21-54	Kalaeloa Boulevard Railroad Improvements	Design and install a Railroad traffic signal (and traffic camera) located at Kalaeloa Boulevard and Railroad Crossing.	$805
OC-21-55	Oahu Traffic Signal Controller Modernization, Phase 2	To construct and inspect related equipment for approximately 150 traffic signalized intersections	$10,696
OC-21-59	Intermodal Connectivity TA Set-Aside (OahuMPO)	This program encompasses projects that have been awarded OahuMPO Transportation Set-Aside funds (TA Set-Aside) and have been flexed from FHWA to FTA. The TA Set-Aside is a competitive grant program that provides funding for programs and projects defined as transportation alternatives, including on- and off-road pedestrian and bicycle facilities, infrastructure projects for improving non-driver access to public transportation and enhanced mobility, and community improvement activities. Locations to be determined by the OahuMPO TA Project Evaluation and Ranking process.	$41,892
OC23	Salt Lake Boulevard Widening, Phase 3B	To widen the Salt Lake Boulevard to a multi-lane roadway within the existing 100' right-of-way between Maluna and Ala Lilikoi Streets.	$32,050
OC25	Transportation Alternatives Set-Aside Program (MPO) at Various Locations	The Transportation Alternatives Set-Aside Program (TA Set-Aside) is a competitive grant program that provides funding for programs and projects defined as transportation alternatives, including on- and off-road pedestrian and bicycle facilities, infrastructure projects for improving non-driver access to public transportation and enhanced mobility, and community improvement activities. Locations to be determined by the OahuMPO TAP Project Evaluation and Ranking process. HART projects may be flexed from FHWA to FTA. The Ala Wai Bridge project is a new pedestrian and bicycle bridge crossing the Ala Wai Canal in the University Ave/Kalaimoku Street alignment.	$29,067

Project #	Project Name	Project Description	FFY 2022-2025 Total (x1000)
OC26	Transportation Alternative Program (State)	The Transportation Alternatives Program (TAP) is a competitive grant program that provides funding for programs and projects defined as transportation alternatives, including on- and off-road pedestrian and bicycle facilities, infrastructure projects for improving non-driver access to public transportation and enhanced mobility, and community improvement activities. Locations to be determined by the State TAP Project Evaluation and Ranking process. HART projects may be flexed from FHWA to FTA. The Haleiwa Road Multi-Use Path Project will include design, construction, and inspection of improvements, including a multi-use path along Haleiwa Road between Waialua Beach Road and Kamehameha Highway	$1,892
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.	$1,086
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.	$7,919
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.	$35,289
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

Project #	Project Name	Project Description	FFY 2022-2025 Total (x1000)
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 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.	$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 City roadways and drainage canal bridge crossing.	$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 pavement markings.	$32,000
OS-22-60	Adaptive Traffic Signal Control Technology & Traffic Signal Controller Installation at Various Locations, Oahu	The project will install, operate, and maintain new controllers at 268 traffic signal locations on Oahu and 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.	$41,000
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

Project #	Project Name	Project Description	FFY 2022-2025 Total (x1000)
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 Control Center will also be done to accommodate system improvements. This project will be implemented in phases. The Freeway Management System's System Manager will assist the State with managing and guiding the Intelligent Transportation System (ITS) program. This includes software development, equipment procurement assistance, acceptance testing, performance monitoring, and strategic planning.	$24,712
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.	$2,490
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 footage that the State will occupy.	$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 collect required Highway Performance Monitoring System (HPMS) data.	$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.	$29,326
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.	$49,660

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 other equipment. Address five high priority intersections.	$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 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.	$16,000
Total			$3,056,011

PERFORMANCE MANAGEMENT

23 CFR 450.306 requires the OahuMPO in cooperation with HDOT and DTS, the public transportation operator on Oahu to develop a performance-driven, outcome-based approach to support the national goals described in 23 U.S.C. 150(b) and 49 U.S.C. 5301(c).

The OahuMPO shall establish performance targets that address the performance measures or standards established under 23 CFR part 490 (where applicable), 49 U.S.C. 5326(c), and 49 U.S.C. 5329(d) to use in tracking progress toward attainment of critical outcomes for the region of the OahuMPO.

The selection of targets that address performance measures described in 23 U.S.C. 150(c) shall be in accordance with the appropriate target setting framework established at 23 CFR part 490 and shall be coordinated with HDOT to ensure consistency, to the maximum extent practicable.

The selection of performance targets that address performance measures described in 49 U.S.C. 5326(c) and 49 U.S.C. 5329(d) shall be coordinated, to the maximum extent practicable, with DTS, the public transportation provider on Oahu to ensure consistency with the performance targets that public transportation providers establish under 49 U.S.C. 5326(c) and 49 U.S.C. 5329(d).

The OahuMPO shall establish the performance targets not later than 180 days after the date on which HDOT or DTS, the public transportation operator on Oahu establishes their performance targets.

A measure is defined as a metric that is used to establish targets and to assess progress toward achieving the established targets and a target is a value for the measure, to be achieved within an identifiable time period. The OahuMPO is required to set performance targets and report on the progress made toward achieving each target in the following areas:

- Highway Safety
- Pavement and Bridge Condition
- System Performance
- Transit Safety and Transit Asset Management

The criteria used by OahuMPO to evaluate and select TIP projects include several measures that are linked to these performance targets as described in the project and program prioritization process in Appendix A. The performance targets can be directly linked to nine of the fourteen TIP project and program evaluation criteria. The nine evaluation criteria and their respective ORTP goals are as follows:

- Goal 1: Improve the safety of the transportation system
    - 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
- Goal 2: Support active and public transportation
    - 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
- Goal 3: Promote an equitable transportation system
    - Evaluation Criteria 6.1.1: Improve freight reliability by investing in projects on designated freight routes and programs that intend on improving freight reliability
- Goal 6: Support a reliable and efficient transportation system

- 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

Highway Safety Targets

23 CFR 490 Subpart B requires the OahuMPO and HDOT to establish and report their safety targets, and the process that FHWA will use to assess whether HDOT has met or made significant progress toward meeting their safety targets. The OahuMPO in coordination with HDOT is required to set annual targets for the following five safety-related performance measures based on a 5-year rolling average:

- Number of fatalities
- Rate of fatalities per 100 million Vehicle Miles Traveled (VMT)
- Number of serious injuries
- Rate of Serious Injuries per 100 million VMT
- Number of non-motorized fatalities and non-motorized serious injuries (combined)

In January 2022, the OahuMPO Policy Board approved the following safety performance targets:

Performance Measure	2022-2025 4-year Target
Number of Fatalities	52.5 / year
Rate of fatalities per 100 million VMT	0.885
Number of serious injuries	255.0 / year
Rate of Serious Injuries per 100 million VMT	4.312
Number of non-motorized fatalities and non-motorized serious injuries	90.0 / year

The following table list the projects and programs that are expected to help achieve the highway safety targets.

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.	$11,879
OC2	Bikeway Improvements Program	This is an ongoing island wide program for the implementation of the Oahu Bicycle Master Plan improvements, the development of new projects, and the upgrade of existing bicycle projects.	$818
OC-21-54	Kalaeloa Boulevard Railroad Improvements	Design and install a Railroad traffic signal (and traffic camera) located at Kalaeloa Boulevard and Railroad Crossing.	$805
OC25	Transportation Alternatives Set-Aside Program (MPO) at Various Locations	The Transportation Alternatives Set-Aside Program (TA Set-Aside) is a competitive grant program that provides funding for programs and projects defined as transportation alternatives, including on- and off-road pedestrian and bicycle facilities, infrastructure projects for improving non-driver access to public transportation and enhanced mobility, and community improvement activities. Locations to be determined by the OahuMPO TAP Project Evaluation and Ranking process. HART projects may be flexed from FHWA to FTA. The Ala Wai Bridge project is a new pedestrian and bicycle bridge crossing the Ala Wai Canal in the University Ave/Kalaimoku Street alignment.	$29,067

Project #	Project Name	Project Description	FFY 2022-2025 Total (x1000)
OC26	Transportation Alternative Program (State)	The Transportation Alternatives Program (TAP) is a competitive grant program that provides funding for programs and projects defined as transportation alternatives, including on- and off-road pedestrian and bicycle facilities, infrastructure projects for improving non-driver access to public transportation and enhanced mobility, and community improvement activities. Locations to be determined by the State TAP Project Evaluation and Ranking process. HART projects may be flexed from FHWA to FTA. The Haleiwa Road Multi-Use Path Project will include design, construction, and inspection of improvements, including a multi-use path along Haleiwa Road between Waialua Beach Road and Kamehameha Highway	$1,892
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.	$7,919
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. On Westbound Kalanianaole Highway, just before the Ainakoa Intersection, the shoulder and bike lane taper off until it disappears at Ainakoa. To the west on H-1, and on the off-ramp to below the viaduct towards Kahala Mall, a shoulder and bike lane reappears. The project will close that gap in the bike lane, by taking space from the median on H-1.	$6,120
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	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.	$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 pavement markings.	$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 Avenue.	$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, conducts, 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; installation of concrete median barrier at U-turn; and installation of pavement markings and signage.	$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 chevrons, widen paved shoulders where possible, pavement markings, and signing.	$24,000

Project #	Project Name	Project Description	FFY 2022-2025 Total (x1000)
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 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.	$16,000
Total			$202,395

Pavement and Bridge Condition Targets

23 CFR 490 Subparts C & D requires the OahuMPO in coordination with HDOT to establish measures to assess the condition of pavements on the Interstate System, pavements on the National Highway System (NHS), and bridges carrying the NHS which include on- and off-ramps connected to the NHS. The pavement and bridge performance measures, collectively referred to as PM-2 measures, include the following six measures:

- % of Interstate pavements in good condition
- % of Interstate pavements in poor condition
- % of Non-Interstate NHS pavements in good condition
- % of Non -Interstate NHS pavements in poor condition
- % of NHS bridges classified in good condition
- % of NHS bridges classified in poor condition

In November 2018, the OahuMPO Policy Board approved the following pavement and bridge condition targets:

Performance Measure	2018-2020 2-year Target	2018-2022 4-year Target
% of Interstate pavements in good condition	7%	7%
% of Interstate pavements in poor condition	4%	4%
% of Non-Interstate NHS pavements in good condition	15%	15%
% of Non-Interstate NHS pavements in poor condition	4%	4%
% of NHS bridges classified in good condition	20%	20%
% of NHS bridges classified in poor condition	2%	2%

The following table list the projects and programs that are expected to help achieve the pavement condition targets.

Project #	Project Name	Project Description	FFY 2022-2025 Total (x1000)
OS1	Bridge and Pavement Improvement Program, Oahu	This is an ongoing island wide program for the system maintenance of highway bridges and pavement. Work may include bridge and/or pavement reconstruction, resurfacing, restoration, rehabilitation, and/or preservation.	$84,000
OS26	Kalanianaole Highway (Route 72) Resurfacing, Poalima Street to Vicinity of Makai Pier	Roadway resurfacing of Kalanianaole Highway from Poalima Street to Vicinity of Makai Pier.	$0
OS62	Pali Highway (Route 61) Resurfacing & Lighting Improvements, Vineyard Blvd (Route 98) Kamehameha Highway (Route 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, installation of new guardrails, installing bridge rails, and installation of signs and pavement markings.	$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.	$49,660

Project #	Project Name	Project Description	FFY 2022-2025 Total (x1000)
Total			$133,660

The following table list the projects and programs that are expected to help achieve the bridge condition targets.

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	This is an ongoing island wide program for the system maintenance of highway bridges and pavement. 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	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.	$1,180
OS-21-51	Moanalua Freeway, (Interstate Route H-201) Seismic Retrofit, Puuloa Interchange (Five Structures)	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.	$2,500
OS-21-52	Likelike Highway (Route 63) Seismic Retrofit, Kalihi Stream Bridges	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.	$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

Project #	Project Name	Project Description	FFY 2022-2025 Total (x1000)
OS31	Kamehameha Highway (Route 83), Bridge Replacement, Laieloa Stream Bridge	Replace the existing concrete slab bridge on Kamehameha Highway in the vicinity of Laie.	$14,980
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 incudes 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.	$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
OS72	Kamehameha Highway (Route 83), Bridge Replacement, Waimanana Bridge	Replace the existing bridge on Kamehameha Highway.	$2,370
OS74	Interstate Route H-1, Seismic Retrofit, McCully Street Separation	Retrofit interchange structures to meet current seismic standards.	$875
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
Total			$293,605

System Performance Targets (PM3)

23 CFR 490 Subparts E, F and G require the OahuMPO in coordination with HDOT to establish performance measures to assess the performance of the interstate system and the performance of the non-Interstate NHS (Level of Travel Time Reliability), to assess the national freight movement on the Interstate System and to assess Congestion Mitigation Air Quality (CMAQ) Traffic Congestion for the purpose of carrying out the CMAQ program. These system performance measures, collectively referred to as the PM-3 measures, include the following:

- Percent of Person-miles traveled on the Interstate System that are reliable
- Percent of Person-miles traveled on the Non-Interstate NHS that are reliable
- Interstate System Truck Travel Time Reliability (TTTR) Index

In November 2018, the OahuMPO Policy Board approved the following system performance targets:

Performance Measure	2018-2020 2-year Target	2018-2022 4-year Target
Percent of Person-miles traveled on the Interstate System that are reliable	70%	74%
Percent of Person-miles traveled on the Non-Interstate NHS that are reliable	N/A	70%
Interstate System Truck Travel Time Reliability (TTTR) Index	2.75	2.75

The following table list the projects and programs that are expected to help achieve the level of travel time reliability targets.

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.	$11,879
OC2	Bikeway Improvements Program	This is an ongoing island wide program for the implementation of the Oahu Bicycle Master Plan improvements, the development of new projects, and the upgrade of existing bicycle projects.	$818

Project #	Project Name	Project Description	FFY 2022-2025 Total (x1000)
OC-21-54	Kalaeloa Boulevard Railroad Improvements	Design and install a Railroad traffic signal (and traffic camera) located at Kalaeloa Boulevard and Railroad Crossing.	$805
OC-21-55	Oahu Traffic Signal Controller Modernization, Phase 2	To construct and inspect related equipment for approximately 150 traffic signalized intersections	$10,696
OC23	Salt Lake Boulevard Widening, Phase 3B	To widen the Salt Lake Boulevard to a multi-lane roadway within the existing 100' right-of-way between Maluna and Ala Lilikoi Streets.	$32,050
OC25	Transportation Alternatives Set-Aside Program (MPO) at Various Locations	The Transportation Alternatives Set-Aside Program (TA Set-Aside) is a competitive grant program that provides funding for programs and projects defined as transportation alternatives, including on- and off-road pedestrian and bicycle facilities, infrastructure projects for improving non-driver access to public transportation and enhanced mobility, and community improvement activities. Locations to be determined by the OahuMPO TAP Project Evaluation and Ranking process. HART projects may be flexed from FHWA to FTA. The Ala Wai Bridge project is a new pedestrian and bicycle bridge crossing the Ala Wai Canal in the University Ave/Kalaimoku Street alignment.	$29,067
OC26	Transportation Alternative Program (State)	The Transportation Alternatives Program (TAP) is a competitive grant program that provides funding for programs and projects defined as transportation alternatives, including on- and off-road pedestrian and bicycle facilities, infrastructure projects for improving non-driver access to public transportation and enhanced mobility, and community improvement activities. Locations to be determined by the State TAP Project Evaluation and Ranking process. HART projects may be flexed from FHWA to FTA. The Haleiwa Road Multi-Use Path Project will include design, construction, and inspection of improvements, including a multi-use path along Haleiwa Road between Waialua Beach Road and Kamehameha Highway	$1,892
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.	$1,086
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.	$7,919
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

Project #	Project Name	Project Description	FFY 2022-2025 Total (x1000)
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.	$35,289
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 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.	$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 City roadways and drainage canal bridge crossing.	$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 pavement markings.	$32,000
OS-22-60	Adaptive Traffic Signal Control Technology & Traffic Signal Controller Installation at Various Locations, Oahu	The project will install, operate, and maintain new controllers at 268 traffic signal locations on Oahu and 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.	$41,000
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

Project #	Project Name	Project Description	FFY 2022-2025 Total (x1000)
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 Control Center will also be done to accommodate system improvements. This project will be implemented in phases. The Freeway Management System's System Manager will assist the State with managing and guiding the Intelligent Transportation System (ITS) program. This includes software development, equipment procurement assistance, acceptance testing, performance monitoring, and strategic planning.	$24,712
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 footage that the State will occupy.	$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 collect required Highway Performance Monitoring System (HPMS) data.	$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.	$29,326
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.	$49,660

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 other equipment. Address five high priority intersections.	$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 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.	$16,000
Total			$514,597

The following table list the projects and programs that are expected to help achieve the truck travel time reliability targets.

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, Phase 2	To construct and inspect related equipment for approximately 150 traffic signalized intersections	$10,696
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.	$1,086

Project #	Project Name	Project Description	FFY 2022-2025 Total (x1000)
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 City roadways and drainage canal bridge crossing.	$7,000
Total			$19,921

Transit Safety Performance Targets

49 CFR 673 and recipients of Federal assistance under 49 U.S.C. Chapter 53 requires DTS, the operator of the public transportation system on Oahu to establish a Public Transportation Agency Safety Plan and to the maximum extent practicable, coordinate with the OahuMPO to establish the following performance targets based on the safety performance measures established under the National Public Transportation Safety Plan:

- Number of fatalities by mode
- Rate of fatalities per 1M vehicle revenue miles (VRM) by mode
- Number of injuries by mode
- Rate of injuries per 100K VRM by mode
- Number of safety events by mode
- Rate of safety events per 100K VRM by mode
- System reliability (mean distance between major mechanical failures) by mode

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 1M VRM	Number of injuries	Rate of injuries per 100K VRM	Number of safety events	Rate of safety events per 100K VRM	System reliability (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

The following table list the projects and programs that are expected to help achieve the transit safety targets.

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.	$2,177
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
Total			$3,973

Transit Asset Management Targets

49 CFR 625 and all recipients of Federal assistance under 49 U.S.C. Chapter 53 requires DTS, the operator of the public transportation system on Oahu to establish a Transit Asset Management (TAM) System to monitor and manage public transportation capital assets to enhance safety, reduce maintenance costs, increase reliability, and improve performance. As a Tier I provider who owns, operates,

or manages either one hundred and one or more vehicles or rail transit, DTS is required to develop a TAM Plan and to the maximum extent practicable, coordinate with the OahuMPO to establish targets for three required state of good repair measures:

- Rolling Stock (revenue vehicles)
    - Percentage of revenue vehicles by asset type that have met or exceeded their useful life benchmark (ULB)
- Equipment (non-revenue service vehicles)
    - Percentage of non-revenue service vehicles by asset type that have met or exceeded their ULB
- Facilities
    - Percentage of facilities within an asset group, rated below condition 3 on the Transit Economic Requirements Model (TERM) scale which describes the condition of the asset using a five-category rating system (5 = excellent; 1 = poor)

In October 2020, the OahuMPO Policy Board approved the following transit asset management targets:

Asset Category	Performance Measure	Asset	Annual Target
Rolling Stock	Percentage of revenue vehicles that have met or exceeded their ULB	Articulated Buses	20%
		Buses	20%
		Cutaway Buses	20%
		Vans	20%
Equipment	Percentage of non-revenue service vehicles that have met or exceeded their ULB	Automobiles	25%
		Trucks and other rubber tire vehicles	40%
Facilities	Percentage of facilities rated below condition 3 on the TERM scale	Passenger facilities	10%
		Passenger parking facilities	10%
		Maintenance facilities	10%
		Administrative facilities	10%

The following table list the projects and programs that are expected to help achieve the transit asset management targets.

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.	$98,199
OC14	Bus Stop ADA Access and Site Improvements	Modify bus stops to comply with the Americans with Disabilities Act (ADA). Improve the mobility independence for transit users of all ages and abilities, pedestrian access, and the number of ADA accessible bus stops.	$2,583
OC20	Preventive Maintenance	Preventive maintenance of FTA-funded rolling stock (buses and Handi-Vans) includes parts, labor, and other related expenses.	$78,750
OC31	Middle Street Transit Center	Acquire property located at the Middle Street Transit Center, plan, and design the entire transit campus.	$2,112
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.	$2,490
Total			$184,134

CERTIFICATION

In accordance with 23 CFR 450.336, the OahuMPO shall certify at least every 4 years that the metropolitan transportation planning process is being carried out as required by Federal code and regulation. In addition, the FHWA and the FTA jointly shall review and evaluate the transportation planning process no less than once every 4 years to determine if the process meets the requirements of applicable provisions as required by Federal code and regulation

The self-certification is available in Appendix E.

LIST OF PROJECTS

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. The following tables list the projects and programs grouped by the type of federal funding (e.g., FHWA) and project sponsor (e.g., HDOT).

FHWA Funded Projects: Hawaii Department of Transportation — For Information Only

Project #	Project Name	FFY 2022 (x1000)	FFY 2023 (x1000)	FFY 2024 (x1000)	FFY 2025 (x1000)	FFY 2026 (x1000)	FFY 2027 (x1000)
OS1	Bridge and Pavement Improvement Program, Oahu	$21,000	$21,000	$21,000	$21,000	$21,000	$21,000
OS4	Farrington Highway (Route 93), Bridge Replacement, Makaha Bridges #3 & #3A	$0	$0	$0	$0	$0	$0
OS5	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78)	$3,300	$600	$10,612	$10,200	$0	$0
OS9	Freeway Service Patrol	$4,000	$4,000	$4,000	$4,000	$4,000	$4,000
OS10	Guardrail and Shoulder Improvements, Various Locations	$600	$2,000	$100	$2,000	$100	$2,000
OS11	ITS Operation and Maintenance	$500	$500	$500	$500	$500	$500
OS12	Destination Sign, Upgrade and Replacement	$3,000	$10,272	$11,144	$10,873	$877	$9,180
OS14	Interstate Route H-1, Guardrail and Shoulder Improvements, Kapiolani Interchange to Ainakoa Avenue, Phase 2	$0	$6,120	$0	$0	$0	$0
OS17	Interstate Route H-1, Kapolei Interchange Complex, Phase 3	$47,000	$0	$0	$0	$0	$0
OS20	Interstate Route H-1 Safety Improvements, Beginning of H-1 (Palailai Interchange) to Waiawa Overpass	$0	$0	$0	$0	$0	$0
OS26	Kalanianaole Highway (Route 72) Resurfacing, Poalima Street to Vicinity of Makai Pier	$0	$0	$0	$0	$0	$0
OS28	Kamehameha Highway (Route 83), Bridge Replacement, Kaipapau Stream Bridge	$0	$0	$0	$0	$0	$0
OS29	Kamehameha Highway (Route 83), Bridge Replacement, Kaluanui Stream Bridge	$0	$18,360	$0	$0	$0	$0

FHWA Funded Projects: Hawaii Department of Transportation

For Information Only

Project #	Project Name	FFY 2022 (x1000)	FFY 2023 (x1000)	FFY 2024 (x1000)	FFY 2025 (x1000)	FFY 2026 (x1000)	FFY 2027 (x1000)
OS31	Kamehameha Highway (Route 83), Bridge Replacement, Laieloa Stream Bridge	$700	$14,280	$0	$0	$0	$0
OS34	Kamehameha Highway (Route 83), Bridge Replacement, Waiahole Stream Bridge	$0	$16,422	$0	$0	$0	$0
OS36	Kamehameha Highway (Route 83), Bridge Replacement, Waipilopilo Stream Bridge	$0	$11,000	$0	$0	$0	$0
OS43	Leeward Bikeway, Philippine Sea Road to Waipahu Depot Street	$0	$0	$0	$0	$0	$0
OS44	Moanalua Freeway (Route 78) and Interstate Route H-2, Guardrail and Shoulder Improvements, Phase 2	$0	$0	$0	$0	$0	$0
OS45	Moanalua Freeway (route H-201), Highway Lighting Improvements, Halawa Heights Off-Ramp to Middle Street Overpass	$0	$0	$0	$0	$0	$0
OS46	Moanalua Freeway (Route H-201), Highway Lighting Improvements, MP 0 to MP 0.73 (Halawa to H-3 Freeway Overpass)	$0	$0	$0	$0	$0	$0
OS52	Sand Island Access Road (Route 64), Truck Weigh Station, Kapalama Container Terminal	$0	$0	$0	$0	$0	$0
OS57	Freeway Management System, Joint Traffic Management Center Operations (State)	$350	$350	$350	$350	$350	$350
OS61	Kamehameha Highway (Route 83) Realignment, Vicinity of Kawailoa Beach	$0	$1,020	$0	$0	$0	$0
OS62	Pali Highway (Route 61) Resurfacing & Lighting Improvements, Vineyard Blvd (Route 98) Kamehameha Highway (Route 83)	$0	$0	$0	$0	$0	$0
OS63	Traffic Counting Stations at Various Locations, Oahu	$0	$0	$2,809	$0	$0	$0
OS67	Interstate Route H-1, Reconstruction and Repair, Eastbound, Waimalu Interchange to Halawa	$0	$0	$0	$0	$0	$0
OS69	Farrington Highway (Route 93), Safety Improvements, H-1 Freeway to Pohakunui Avenue	$7,000	$0	$0	$0	$0	$0
OS70	Interstate Route H-1, Seismic Retrofit, Waialae Viaduct	$0	$1,020	$6,225	$0	$0	$0
OS71	Kamehameha Highway (Route 83), Bridge Rehabilitation, Paumalu Bridge	$0	$0	$1,000	$450	$600	$10,000
OS72	Kamehameha Highway (Route 83), Bridge Replacement, Waimanana Bridge	$665	$950	$755	$0	$9,200	$0
OS73	Likelike Highway (Route 63), Rehabilitation and Safety Improvements, Emmeline Place to Kahekili Highway	$24,000	$0	$0	$0	$0	$0
OS74	Interstate Route H-1, Seismic Retrofit, McCully Street Separation	$0	$435	$440	$0	$2,550	$0
OS75	Kamehameha Highway (Route 83), Rockfall Protection, Waimea Bay	$0	$1,326	$28,000	$0	$0	$0

FHWA Funded Projects: Hawaii Department of Transportation

For Information Only

Project #	Project Name	FFY 2022 (x1000)	FFY 2023 (x1000)	FFY 2024 (x1000)	FFY 2025 (x1000)	FFY 2026 (x1000)	FFY 2027 (x1000)
OS76	Bridge Rehabilitation Program, Various Locations	$0	$500	$2,000	$2,000	$17,000	$17,000
OS77	Bridge Replacement Program, Various Locations	$0	$400	$1,500	$1,500	$11,500	$11,500
OS78	Bridge Seismic Retrofit Program, Various Locations	$0	$400	$1,000	$6,000	$6,000	$6,000
OS79	Shoreline Protection/Mitigation Program	$0	$6,000	$1,540	$42,120	$0	$8,927
OS80	Traffic signal Modernization at Various Locations, Ph2	$0	$0	$5,000	$0	$0	$0
OS82	Interstate Route H-1 Improvements, Eastbound, Ola Lane Overpass to Vineyard Boulevard	$0	$84,000	$0	$0	$0	$0
OS84	Kamehameha Highway (Route 83) Intersection Improvements at Kahekili Highway	$5,900	$0	$0	$0	$0	$0
OS-21-43	Kamehameha Highway (Route 99) Seismic Retrofit, Pearl Harbor Interchange, Structure #2	$0	$510	$670	$0	$3,750	$0
OS-21-44	Pali Highway, Rockfall Mitigation, Vicinity of MP 6.10 to MP 6.55	$0	$1,020	$675	$0	$11,000	$0
OS-21-45	Pali Highway, Rockfall Mitigation, Vicinity of MP 5.90 to MP 6.10	$0	$370	$265	$0	$4,000	$0
OS-21-46	Interstate Route H-1, Kunia Interchange Improvements	$1,500	$0	$0	$14,000	$0	$0
OS-21-47	Interstate Route H-1 Highway Lighting Improvements, Kaimakani Overpass to Gulick Avenue	$0	$0	$30,000	$0	$0	$6,240
OS-21-49	Harbor Access Road (Route 94)	$0	$0	$0	$7,000	$0	$36,000
OS-21-50	Interstate Route H-3, Halawa Valley Mitigation, Phase 3, Gate 3 to Native Species Area	$0	$0	$5,202	$0	$0	$0
OS-21-51	Moanalua Freeway, (Interstate Route H-201) Seismic Retrofit, Puuloa Interchange (Five Structures)	$0	$1,000	$1,500	$0	$12,000	$0
OS-21-52	Likelike Highway (Route 63) Seismic Retrofit, Kalihi Stream Bridges	$0	$0	$0	$710	$590	$0
OS-21-53	Farrington Highway Widening, Helelua to Mohihi	$0	$0	$32,000	$0	$0	$0
OS-21-56	Interstate Route H-3, Halawa Valley Mitigation, Phase 2, Native Species Area to Tunnel Portal	$0	$0	$5,100	$0	$0	$0
OS-21-57	Fort Barrette Road Railroad Crossing Improvements	$0	$2,300	$0	$0	$0	$0
OS-22-58	High Friction Surface Treatment on Highway Ramps, Oahu	$2,200	$0	$0	$0	$0	$0
OS-22-59	Interstate Route H-3, Unit 7C	$4,100	$0	$0	$0	$0	$0
OS-22-60	Adaptive Traffic Signal Control Technology & Traffic Signal Controller Installation at Various Locations, Oahu	$41,000	$0	$0	$0	$0	$0
OS-22-61	Farrington Highway (Route 93) Bridge Rehabilitation, Ulehawa Stream Bridge	$0	$0	$0	$22,000	$0	$0

FHWA Funded Projects: Hawaii Department of Transportation — For Information Only

Project #	Project Name	FFY 2022 (x1000)	FFY 2023 (x1000)	FFY 2024 (x1000)	FFY 2025 (x1000)	FFY 2026 (x1000)	FFY 2027 (x1000)
OS-22-62	Farrington Highway (RTE 93) Sidewalk Improvements, Hakimo Rd to Nanakuli Ave, MP 6.89 to MP 5.06	$0	$15,300	$0	$0	$0	$0
OS-22-63	Kamehameha Highway Wetland Enhancement at James Campbell National Wildlife Refuge	$0	$2,000	$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	$0	$2,800	$0	$0	$0	$0
Total		$166,815	$226,255	$173,387	$144,703	$105,017	$132,697

FHWA Funded Projects: City & County of Honolulu — For Information Only

Project #	Project Name	FFY 2022 (x1000)	FFY 2023 (x1000)	FFY 2024 (x1000)	FFY 2025 (x1000)	FFY 2026 (x1000)	FFY 2027 (x1000)
OC1	Alapai Transportation Management Center Operations	$238	$263	$300	$338	$375	$375
OC2	Bikeway Improvements Program	$0	$511	$103	$204	$2,575	$0
OC3	Bridge Inspection, Inventory, and Appraisal	$1,780	$3,640	$2,913	$2,880	$3,640	$3,640
OC4	Computerized Traffic Control System	$275	$475	$336	$0	$8,189	$0
OC8	Traffic Improvements at Various Locations	$300	$4,300	$156	$3,163	$0	$0
OC10	Traffic Signals at Various Locations	$4,540	$5,498	$1,153	$688	$7,970	$0
OC23	Salt Lake Boulevard Widening, Phase 3B	$30,020	$2,030	$0	$0	$49	$10
OC25	Transportation Alternatives Set-Aside Program (MPO) at Various Locations	$0	$2,693	$13,187	$13,187	$13,187	$0
OC26	Transportation Alternative Program (State)	$0	$0	$209	$1,683	$0	$0
OC29	Federal Lands Access Program (FLAP)	$0	$1,375	$0	$0	$0	$0
OC-21-54	Kalaeloa Boulevard Railroad Improvements	$150	$35	$620	$0	$0	$0
OC-21-55	Oahu Traffic Signal Controller Modernization, Phase 2	$9,376	$1,320	$0	$0	$0	$0
Total		$46,679	$22,140	$18,977	$22,143	$35,985	$4,025

FTA Funded Projects: Hawaii Department of Transportation — For Information Only

Project #	Project Name	FFY 2022 (x1000)	FFY 2023 (x1000)	FFY 2024 (x1000)	FFY 2025 (x1000)	FFY 2026 (x1000)	FFY 2027 (x1000)
OS50	Transportation Assistance for Elderly and Disabled	$594	$613	$632	$651	$671	$692
OS68	State Safety Oversight Program	$672	$357	$374	$393	$393	$393
Total		$1,266	$970	$1,006	$1,044	$1,064	$1,085

FTA Funded Projects: City & County of Honolulu — For Information Only

Project #	Project Name	FFY 2022 (x1000)	FFY 2023 (x1000)	FFY 2024 (x1000)	FFY 2025 (x1000)	FFY 2026 (x1000)	FFY 2027 (x1000)
OC13	Bus and Handi-Van Acquisition Program	$16,544	$43,814	$18,462	$19,379	$23,655	$24,674
OC14	Bus Stop ADA Access and Site Improvements	$735	$616	$616	$616	$616	$616
OC16	Honolulu Rail Transit Project	$70,500	$782,000	$1,543,750	$0	$0	$0
OC20	Preventive Maintenance	$0	$26,250	$26,250	$26,250	$26,250	$26,250
OC21	Transit Safety and Security Projects	$806	$457	$457	$457	$457	$457
OC24	Capital Training	$0	$28	$29	$29	$30	$30
OC31	Middle Street Transit Center	$2,112	$0	$0	$0	$0	$0
OC-21-59	Intermodal Connectivity TA Set-Aside (OahuMPO)	$3,892	$0	$38,000	$0	$0	$0
Total		$94,589	$853,165	$1,627,564	$46,731	$51,008	$52,027

PROJECT INFORMATION SHEETS

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

OS1 Bridge and Pavement Improvement Program, Oahu



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

Project Description:
This is an ongoing island wide program for the system maintenance of highway bridges and pavement. 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. 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: $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 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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 Only
Interstate H-1 Airport Viaduct Rehab																			
ADVCON	0	1,187	-1,187	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Interstate H-1 Rehabilitation, Salt Lake Blvd to Airport Viaduct																			
ADVCON	0	5,999	-5,999	0	10,000	-10,000	0	5,000	-5,000	0	0	0	0	0	0	0	0	0	NHPP
Interstate H-1 Resurfacing, Miller Ped Overpass to Kapiolani Interchange																			
ADVCON	0	7,363	-7,363	0	15,000	-15,000	0	5,000	-5,000	0	0	0	0	0	0	0	0	0	NHPP
Kamehameha Hwy Rehabilitation, Vicinity of Kapuhi St to Dairy Rd, MP 5.94 to MP 9.72																			
ADVCON	0	7,326	-7,326	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Kamehameha Hwy, Kamananui Rd and Wilikina Dr Rehabilitation																			
ADVCON	0	3,000	-3,000	0	8,000	-8,000	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Nimitz Hwy and Ala Moana Blvd Resurfacing, Sand Island Access Rd to Piikoi St																			

OS1 Bridge and Pavement Improvement Program, Oahu

	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FOR INFORMATION ONLY FFY 2026			FFY 2027			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
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	0	NHPP
Total	21,000	30,044	-9,044	21,000	33,000	-12,000	21,000	10,000	11,000	21,000	0	21,000	21,000	0	21,000	21,000	0	21,000	

OS4 Farrington Highway (Route 93), Bridge Replacement, Makaha Bridges #3 & #3A



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 incudes 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

FOR INFORMATION ONLY

Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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	

OS5 Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78)



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.

The Freeway Management System's System Manager will assist the State with managing and guiding the Intelligent Transportation System (ITS) program. This incudes software development, equipment procurement assistance, acceptance testing, performance monitoring, and strategic planning.

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

Complete Streets (CS):

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

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: $200,000,000

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

	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FOR INFORMATION ONLY FFY 2026			FFY 2027			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
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	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	NHPP

OS5 Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78)

	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FOR INFORMATION ONLY FFY 2026			FFY 2027			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
Phase 3A																			
ADVCON	0	0	0	0	1,000	-1,000	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Phase 4																			
PE2	0	0	0	600	540	60	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	10,000	3,000	7,000	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	0	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	NHPP
PE2	0	0	0	0	0	0	612	551	61	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	10,200	3,060	7,140	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	0	0	NHPP
Total	3,300	4,158	-858	600	4,540	-3,940	10,612	3,551	7,061	10,200	8,060	2,140	0	5,000	-5,000	0	0	0	

OS9 Freeway Service Patrol



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:
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

	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FOR INFORMATION ONLY FFY 2026			FFY 2027			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
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

	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
Phase 2																			
CON	500	400	100	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	HSIP
CON	0	0	0	2,000	1,600	400	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	HSIP
CON	0	0	0	0	0	0	0	0	0	2,000	1,600	400	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	HSIP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,000	1,600	400	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	

OS11 ITS Operation and Maintenance



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

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

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

Complete Streets (CS):

Project will implement: Not applicable

Existing Feature/s: Not applicable

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: $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

	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FOR INFORMATION ONLY FFY 2026			FFY 2027			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
OPR	500	450	50	500	450	50	500	450	50	500	450	50	500	450	50	500	450	50	NHPP
Total	500	450	50	500	450	50	500	450	50	500	450	50	500	450	50	500	450	50	

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. 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: $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 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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	10,000	2,000	8,000	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	3,000	-3,000	0	0	0	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																			

OS12 Destination Sign, Upgrade and Replacement

Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FOR INFORMATION ONLY FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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
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	11,144	4,916	6,228	10,873	11,458	-585	877	7,789	-6,912	9,180	7,242	1,938	

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.

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

Mile Post/s: MP 25.24 to MP 27.16

Complete Streets (CS):

Project will implement: Close gap in bike lane.

Existing Feature/s: No information available.

Project Website: None

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

Estimated Total Project Cost: $12,500,000

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

	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FOR INFORMATION ONLY FFY 2026			FFY 2027			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
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	6,120	896	5,224	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	0	0	0	0	0	0	0	0	NHPP
Total	0	1,050	-1,050	6,120	896	5,224	0	4,000	-4,000	0	0	0	0	0	0	0	0	0	

OS17 Interstate Route H-1, Kapolei Interchange Complex, Phase 3



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:
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.

Mile Post/s: MP 0.34 to MP 0.79

Complete Streets (CS):

Project will implement: No information available.

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

Project Website: None

Neighborhood(s): Makakilo-Kapolei-Honokai Hale

Estimated Total Project Cost: $139,000,000

Total Project Cost Notes:

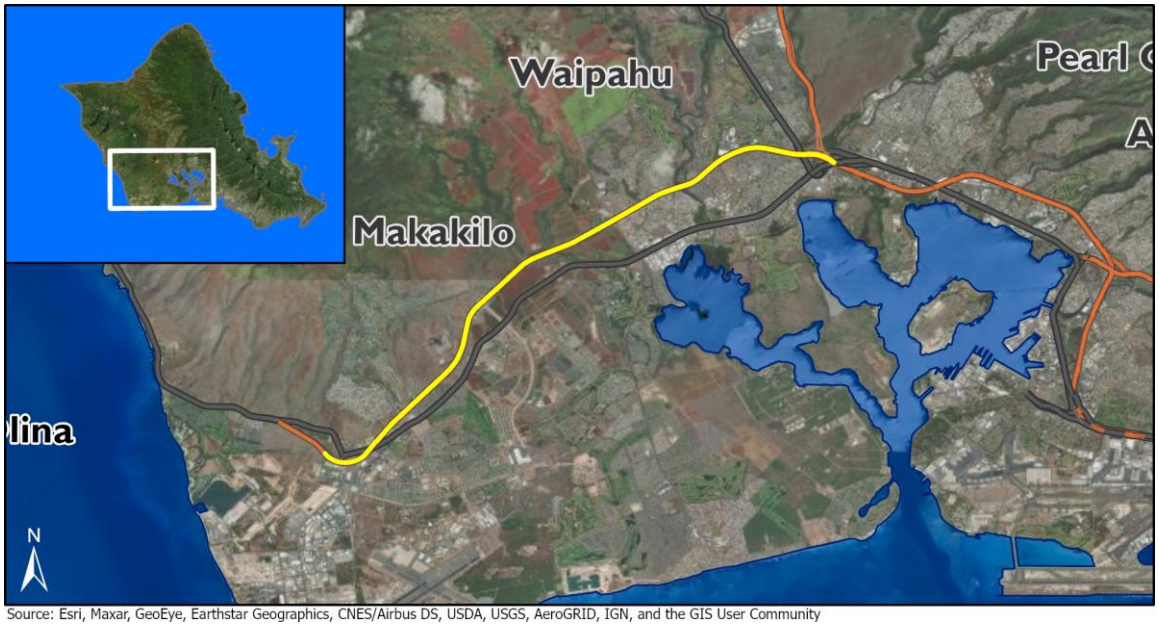
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FOR INFORMATION ONLY FFY 2026			FFY 2027			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
Phase 3																			
CON	47,000	34,600	12,400	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	0	0	0	0	0	0	0	0	0	0	0	NHPP
Total	47,000	34,600	12,400	0	3,000	-3,000	0	0	0	0	0	0	0	0	0	0	0	0	

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 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
ADVCON	0	4,107	-4,107	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	

OS26 Kalanianaole 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 Kalanianaole Highway from Poalima Street to Vicinity of Makai Pier.

Mile Post/s: MP 3.35 to MP 5.65

Complete Streets (CS):

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

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Waimanalo

Estimated Total Project Cost: $22,500,000

Total Project Cost Notes:

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

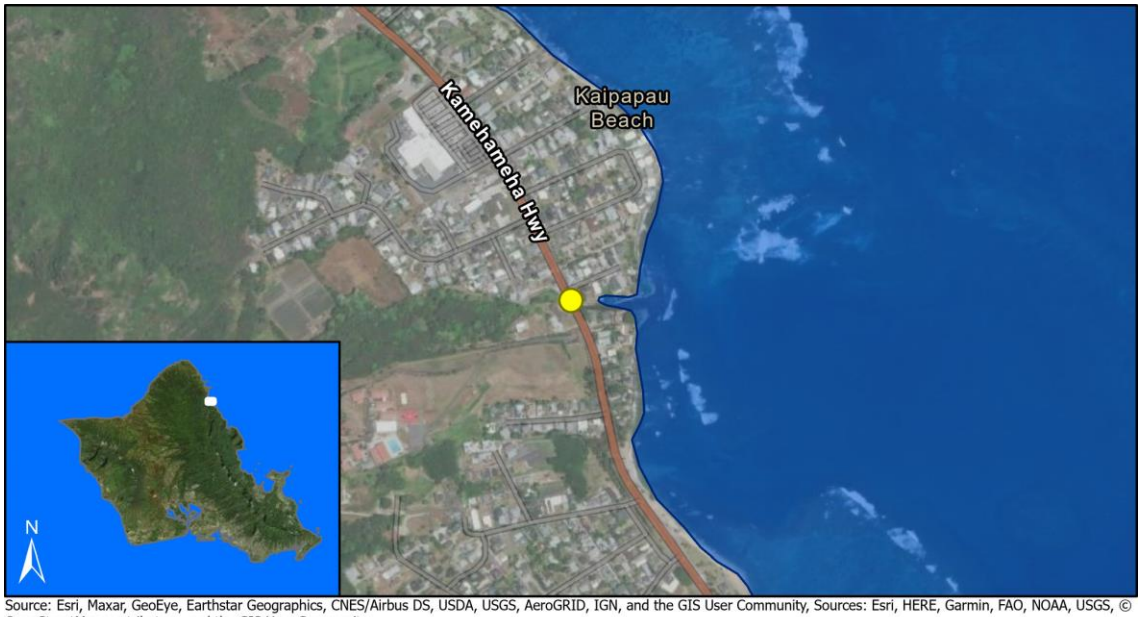
Project Sponsor: State of Hawaii (FHWA Funded)

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

FOR INFORMATION ONLY

Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
ADVCON	0	3,000	-3,000	0	6,000	-6,000	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Total	0	3,000	-3,000	0	6,000	-6,000	0	0	0	0	0	0	0	0	0	0	0	0	

OS28 Kamehameha Highway (Route 83), Bridge Replacement, Kaipapau 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 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 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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. 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: $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 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
CON	0	0	0	18,360	8,688	9,672	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	0	0	0	0	0	NHPP
Total	0	0	0	18,360	8,688	9,672	0	3,000	-3,000	0	3,000	-3,000	0	0	0	0	0	0	

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. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Koolauloa

Estimated Total Project Cost: $15,000,000

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 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
ROW	700	560	140	0	0	0	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	5,300	-5,300	0	5,000	-5,000	0	0	0	0	0	0	NHPP
Total	700	560	140	14,280	1,124	13,156	0	5,300	-5,300	0	5,000	-5,000	0	0	0	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 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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. 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: $12,300,000

Total Project Cost Notes:

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

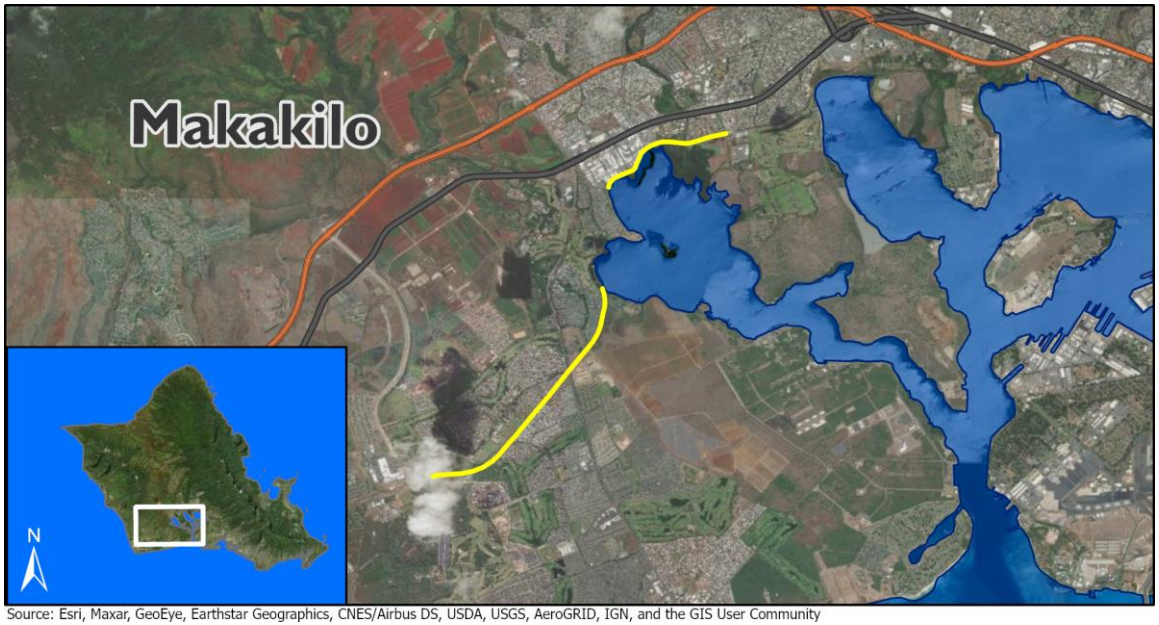
Project Sponsor: State of Hawaii (FHWA Funded)

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

FOR INFORMATION ONLY

	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
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	5,000	5,000	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	0	0	0	0	0	0	0	0	NHPP
Total	0	0	0	11,000	5,800	5,200	0	3,000	-3,000	0	0	0	0	0	0	0	0	0	

OS43 Leeward Bikeway, Philippine Sea Road to Waipahu Depot Street



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.)

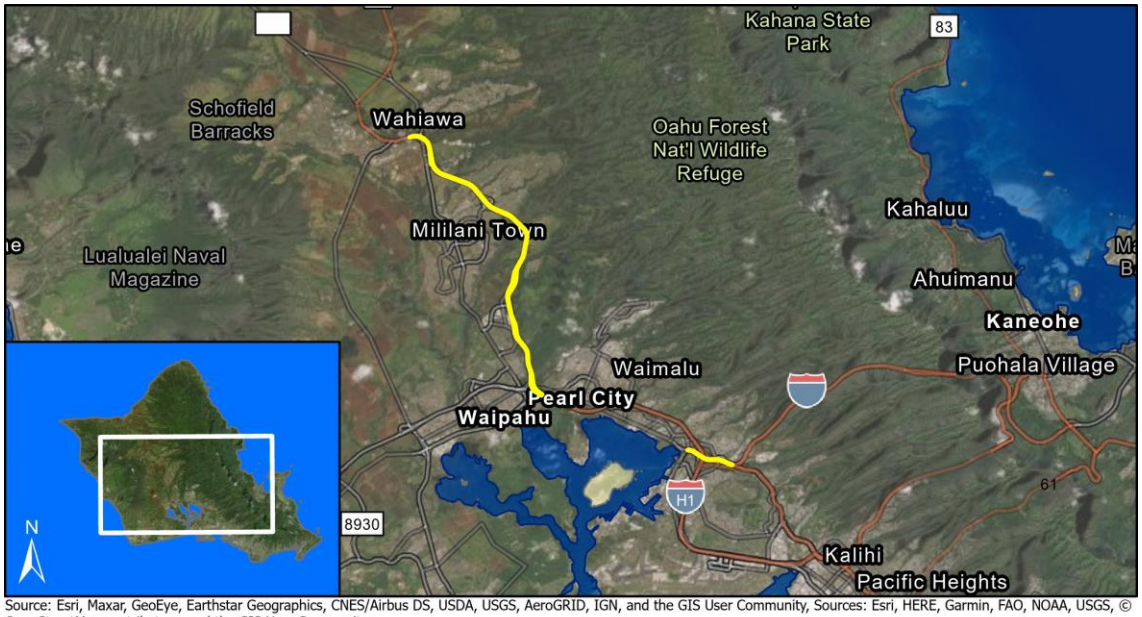
Project Sponsor: State of Hawaii (FHWA Funded)

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

FOR INFORMATION ONLY

Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
ADVCON	0	3,457	-3,457	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	

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

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Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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

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Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
Phase 2																			
ADVCON	0	7,000	-7,000	0	6,000	-6,000	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Total	0	7,000	-7,000	0	6,000	-6,000	0	0	0	0	0	0	0	0	0	0	0	0	

OS46 Moanalua Freeway (Route H-201), Highway Lighting Improvements, MP 0 to MP 0.73 (Halawa to H-3 Freeway 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:
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:

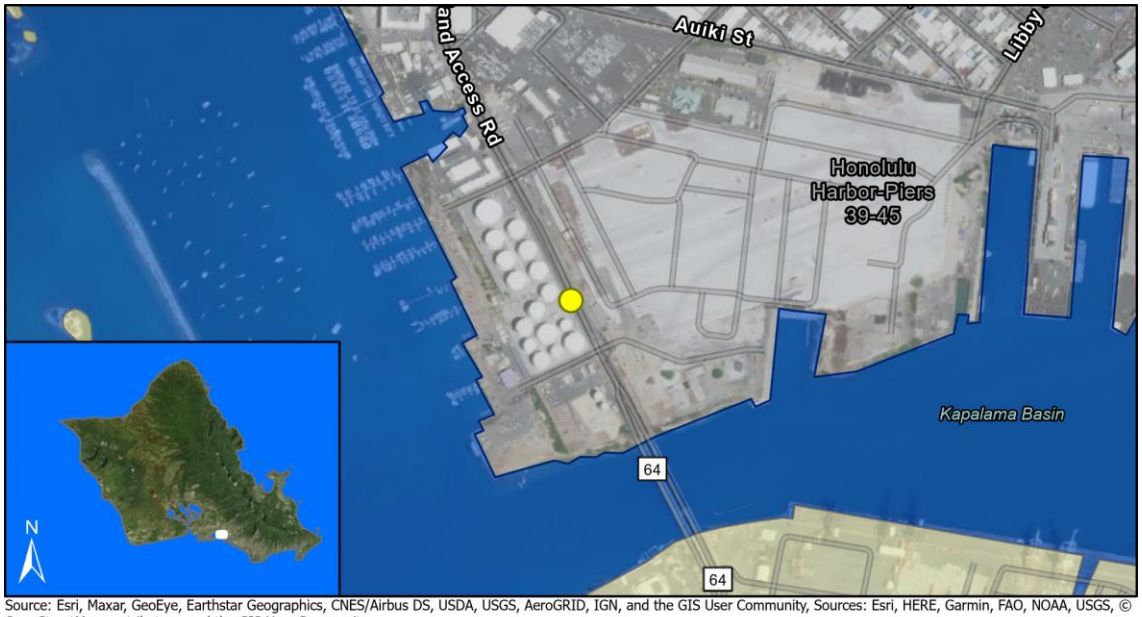
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FOR INFORMATION ONLY FFY 2026			FFY 2027			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
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	

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



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 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 auxilary 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.)

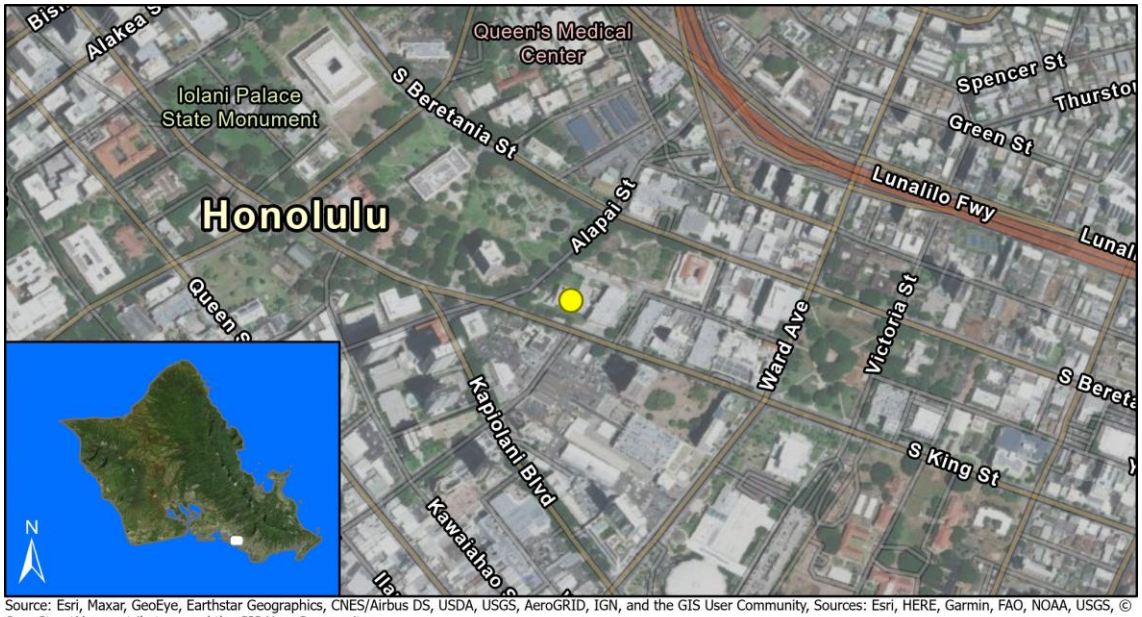
Project Sponsor: State of Hawaii (FHWA Funded)

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

FOR INFORMATION ONLY

Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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	

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



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.)

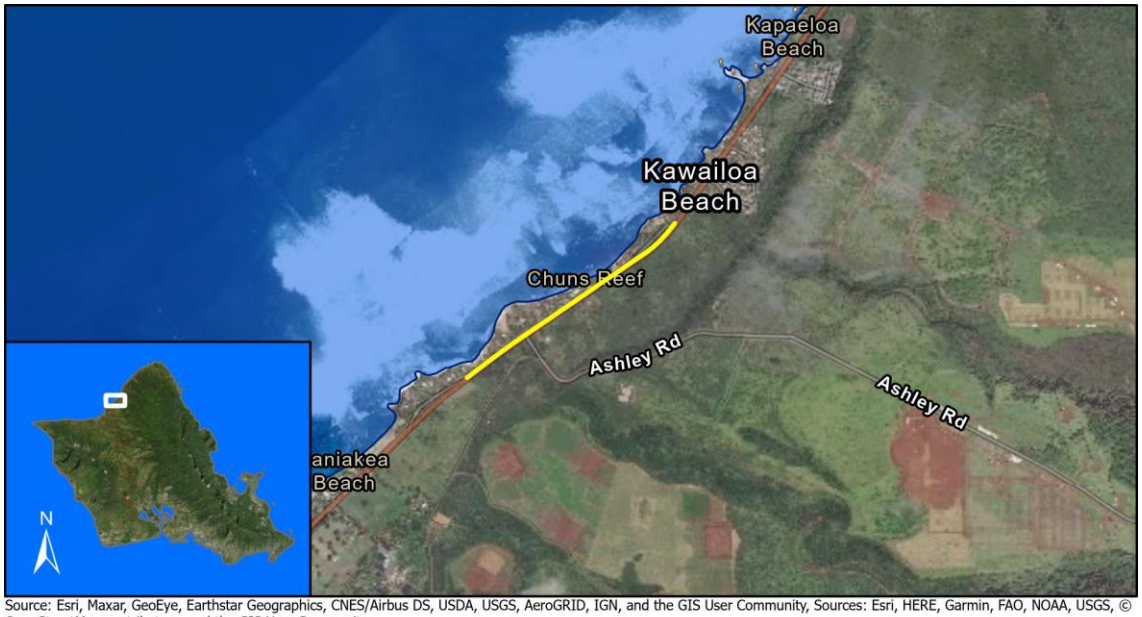
Project Sponsor: State of Hawaii (FHWA Funded)

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

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Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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	

OS61 Kamehameha Highway (Route 83) Realignment, Vicinity of Kawailoa Beach



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.)

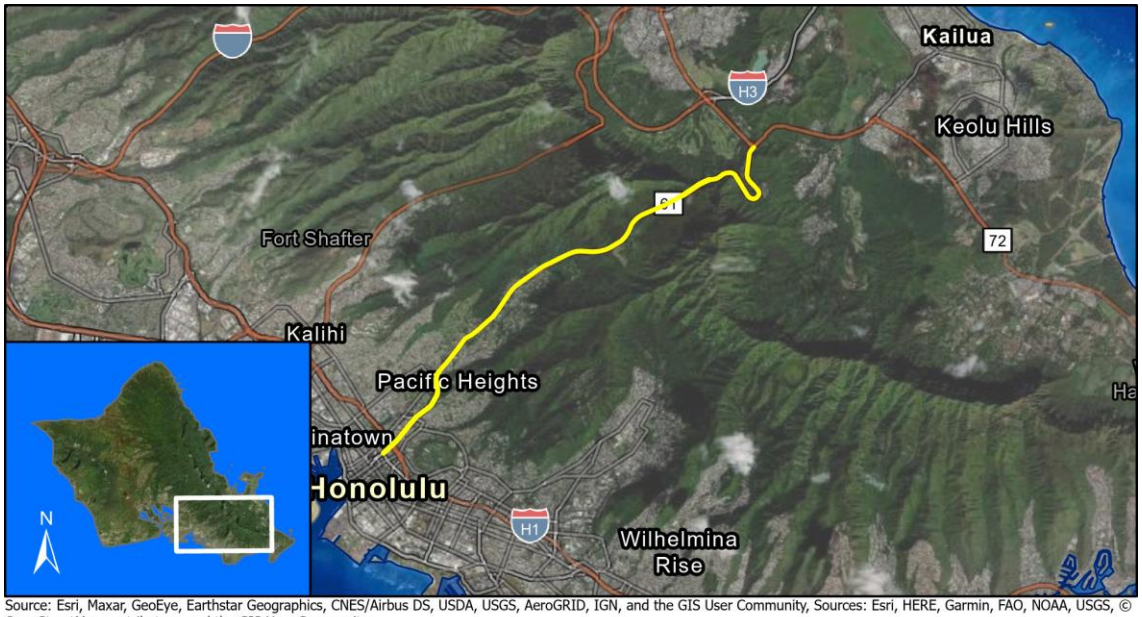
Project Sponsor: State of Hawaii (FHWA Funded)

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

FOR INFORMATION ONLY

Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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 Highway (Route 61) Resurfacing & Lighting Improvements, Vineyard Blvd (Route 98) Kamehameha Highway (Route 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 planing, resurfacing, reconstruction of weakened pavement, installation of new highway lighting, construction of concrete median barriers, replacement of guardrails in-kind and end treatments, installation of new guardrails, installing bridge rails, and installation of signs and pavement markings.

Mile Post/s:

Complete Streets (CS):

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

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Nuuanu-Punchbowl

Estimated Total Project Cost: $119,500,000

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

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Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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	8,000	-8,000	0	12,000	-12,000	0	0	0	0	0	0	0	0	0	NHPP
Total	0	9,150	-9,150	0	8,000	-8,000	0	12,000	-12,000	0	0	0	0	0	0	0	0	0	

OS63 Traffic Counting Stations at Various Locations, Oahu



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

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Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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

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Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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	

OS69 Farrington Highway (Route 93), Safety Improvements, H-1 Freeway to Pohakunui 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:
Scope includes, but is not limited to, the installation of milled rumble strips or rumble edge stripes on shoulders/median; installation of milled rumble strips on centerline; widening shoulders where possible;
installation of speed feedback sign; installation of concrete median barrier at U-turn; and installation of pavement markings and signage.

Mile Post/s: MP 0 to MP 4.4

Complete Streets (CS):

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

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Waianae Coast

Estimated Total Project Cost: $7,200,000

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

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	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
CON	7,000	3,600	3,400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	HSIP
ADVCON	0	0	0	0	2,000	-2,000	0	0	0	0	0	0	0	0	0	0	0	0	HSIP
Total	7,000	3,600	3,400	0	2,000	-2,000	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

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Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Koolauloa

Estimated Total Project Cost: $11,520,000

Total Project Cost Notes:

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

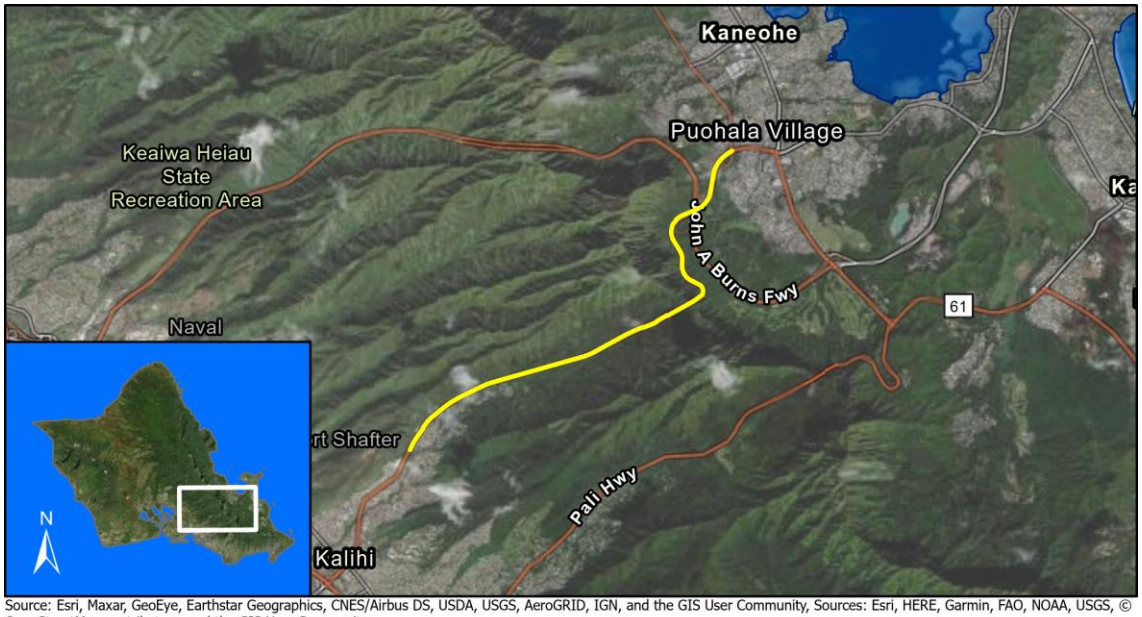
Project Sponsor: State of Hawaii (FHWA Funded)

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

FOR INFORMATION ONLY

Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
PE1	665	532	133	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
PE2	0	0	0	950	760	190	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ROW	0	0	0	0	0	0	755	604	151	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	9,200	4,360	4,840	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,000	-3,000	NHPP
Total	665	532	133	950	760	190	755	604	151	0	0	0	9,200	4,360	4,840	0	3,000	-3,000	

OS73 Likelike Highway (Route 63), Rehabilitiation 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.)

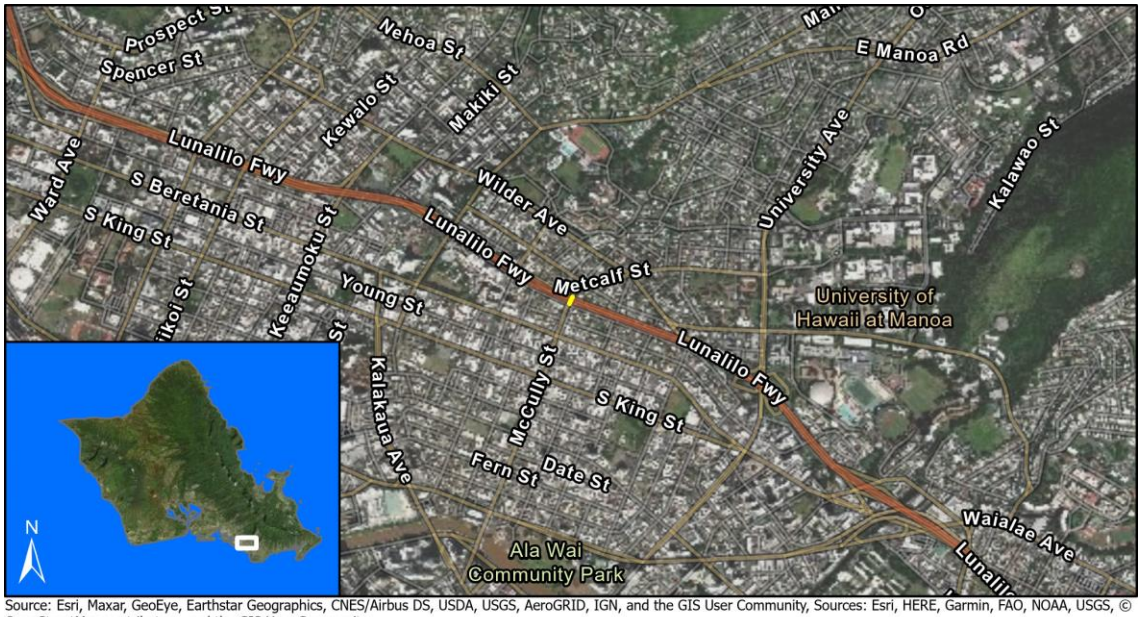
Project Sponsor: State of Hawaii (FHWA Funded)

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

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	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
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	7,000	-7,000	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Total	24,000	12,200	11,800	0	7,000	-7,000	0	0	0	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: No information available.

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

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Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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	440	352	88	0	0	0	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	440	352	88	0	0	0	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. However, CS principles will be considered in all Highway Projects.

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): North Shore

Estimated Total Project Cost: $35,450,000

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

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Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
Haleiwa																			
PE2	0	0	0	816	653	163	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	20,000	8,000	12,000	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	4,000	-4,000	0	4,000	-4,000	0	0	0	NHPP
Sunset Beach																			
CON	0	0	0	0	0	0	8,000	3,000	5,000	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	3,400	-3,400	0	0	0	0	0	0	NHPP
Waimea Bay																			
ROW	0	0	0	510	408	102	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Total	0	0	0	1,326	1,061	265	28,000	11,000	17,000	0	7,400	-7,400	0	4,000	-4,000	0	0	0	

OS76 Bridge Rehabilitation Program, Various Locations



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

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	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
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	

OS77 Bridge Replacement Program, Various Locations



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

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Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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	

OS78 Bridge Seismic Retrofit Program, Various Locations



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 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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	

OS79 Shoreline Protection/Mitigation Program



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

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Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
Priority 1 - (Immediate) Kamehameha Hwy																			
CON	0	0	0	2,000	1,600	400	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	3,000	2,400	600	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Priority 1 - (Short-Term) Kamehameha Hwy, Phase 1																			
ROW	0	0	0	0	0	0	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	10,000	11,000	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	3,000	-3,000	NHPP
Priority 1 - (Short-Term) Kamehameha Hwy, Phase 2																			
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	11,000	9,000	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	0	0	NHPP
Priority 2 - (Mid/Long-Term) Farrington Hwy, Keaau																			
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
ROW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52	41	11	NHPP

OS79 Shoreline Protection/Mitigation Program

Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FOR INFORMATION ONLY FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
Priority 2 - (Mid/Long-Term) Farrington Hwy, Keaau																			
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Priority 2 - (Mid/Long-Term) Kalanianaole Hwy, Bell																			
PE1	0	0	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	0	0	0	0	0	0	0	0	0	NHPP
ROW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
Priority 2 - (Mid/Long-Term) Kalanianaole Hwy, Kaupo																			
PE1	0	0	0	1,000	800	200	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
PE2	0	0	0	0	0	0	0	0	0	500	400	100	0	0	0	0	0	0	NHPP
ROW	0	0	0	0	0	0	0	0	0	50	40	10	0	0	0	0	0	0	NHPP
CON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8,500	6,800	1,700	NHPP
Total	0	0	0	6,000	4,800	1,200	1,540	1,232	308	42,120	21,896	20,224	0	8,800	-8,800	8,927	10,141	-1,214	

OS80 Traffic signal Modernization at Various Locations, Ph2



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

Project Description:
Upgrade signal equipment to improve programmimg 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

	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FOR INFORMATION ONLY FFY 2026			FFY 2027			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
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



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: NA

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Kalihi-Palama

Estimated Total Project Cost: $95,000,000

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 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
CON	0			84,000	15,000	69,000	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	20,000	-20,000	0	8,000	-8,000	0	12,200	-12,200	0	12,000	-12,000	NHPP
Total	0	0	0	84,000	15,000	69,000	0	20,000	-20,000	0	8,000	-8,000	0	12,200	-12,200	0	12,000	-12,000	

OS84 Kamehameha Highway (Route 83) Intersection Improvements at Kahekili Highway



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 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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:
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 determine through the analysis.

Mile Post/s: MP 23.2 to 23.4

Complete Streets (CS):

Project will implement: Not applicable

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 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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	670	536	134	0	0	0	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	670	536	134	0	0	0	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:

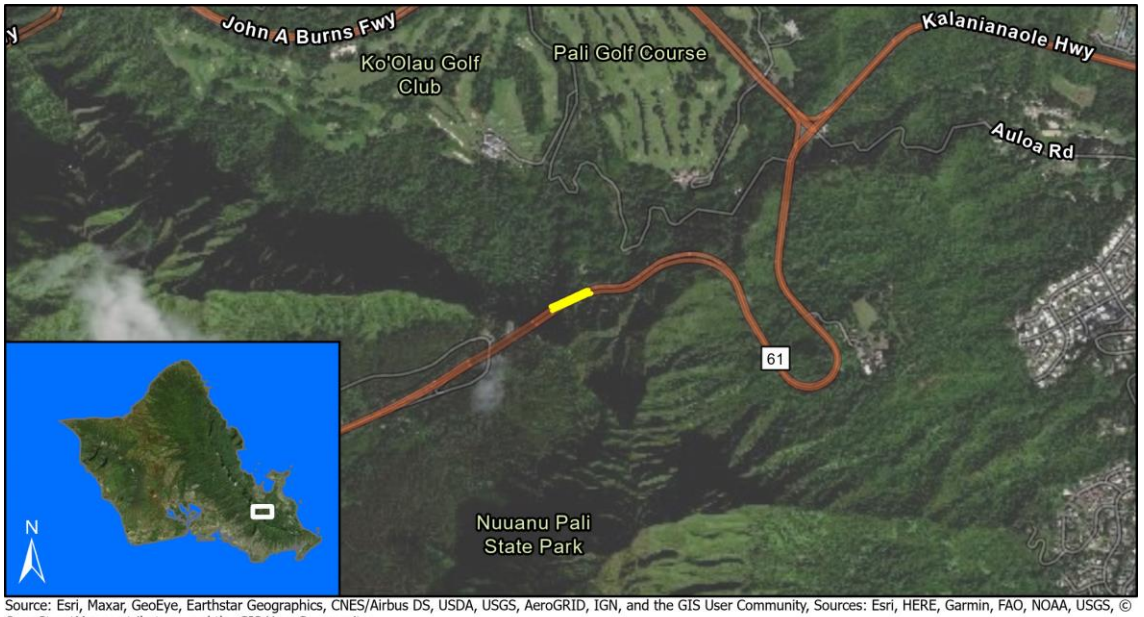
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FOR INFORMATION ONLY FFY 2026			FFY 2027			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
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:

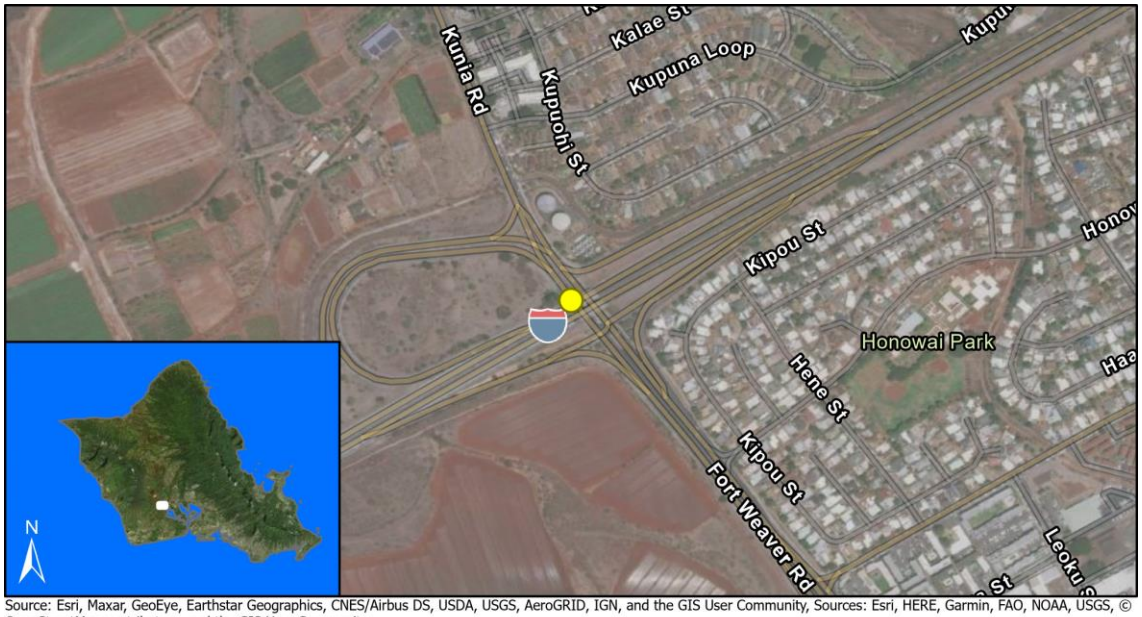
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FOR INFORMATION ONLY FFY 2026			FFY 2027			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
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

	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FOR INFORMATION ONLY FFY 2026			FFY 2027			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
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:
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: MP 12.83 to MP 16

Complete Streets (CS):

Project will implement: NA

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

FOR INFORMATION ONLY

Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
Phase 1																			
CON	0	0	0	0	0	0	30,000	10,000	20,000	0	0	0	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	8,000	-8,000	0	0	0	0	0	0	NHPP
ADVCON	0	0	0	0	0	0	0	0	0	0	0	0	0	6,000	-6,000	0	0	0	NHPP
Phase 2																			
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	10,000	20,000	0	8,000	-8,000	0	6,000	-6,000	6,240	4,992	1,248	

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 utilites, 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.)

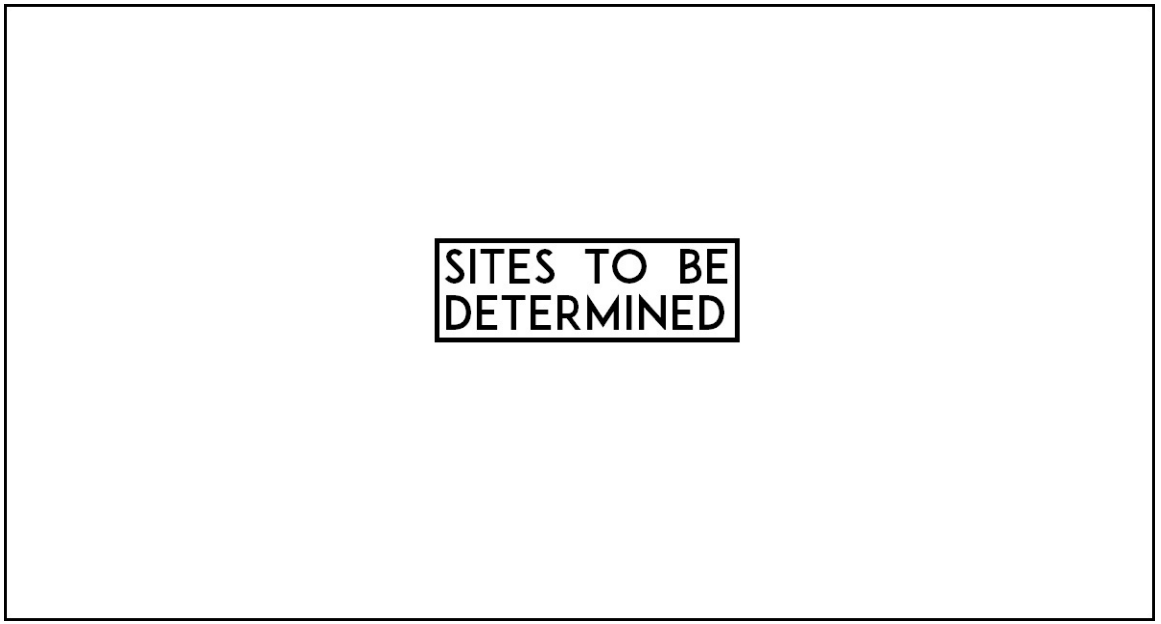
Project Sponsor: State of Hawaii (FHWA Funded)

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

FOR INFORMATION ONLY

Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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	

OS-21-50 Interstate Route H-3, Halawa Valley Mitigation, Phase 3, Gate 3 to Native Species Area



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:

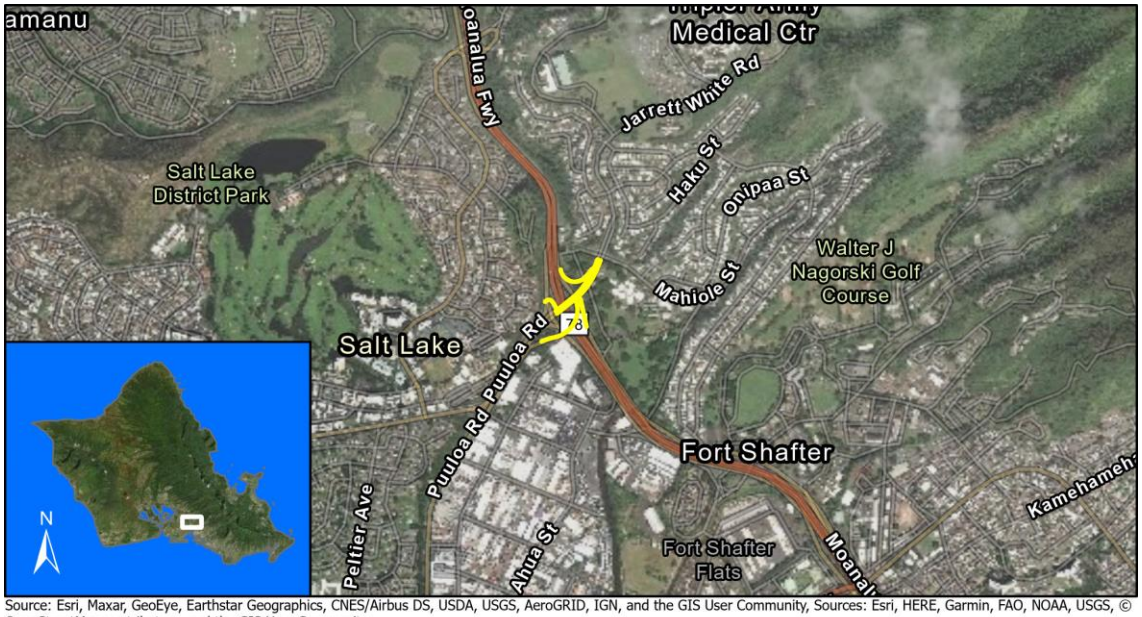
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FHWA Funded)

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

	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FOR INFORMATION ONLY FFY 2026			FFY 2027			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
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:
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 determine 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): Aliamanu-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.)

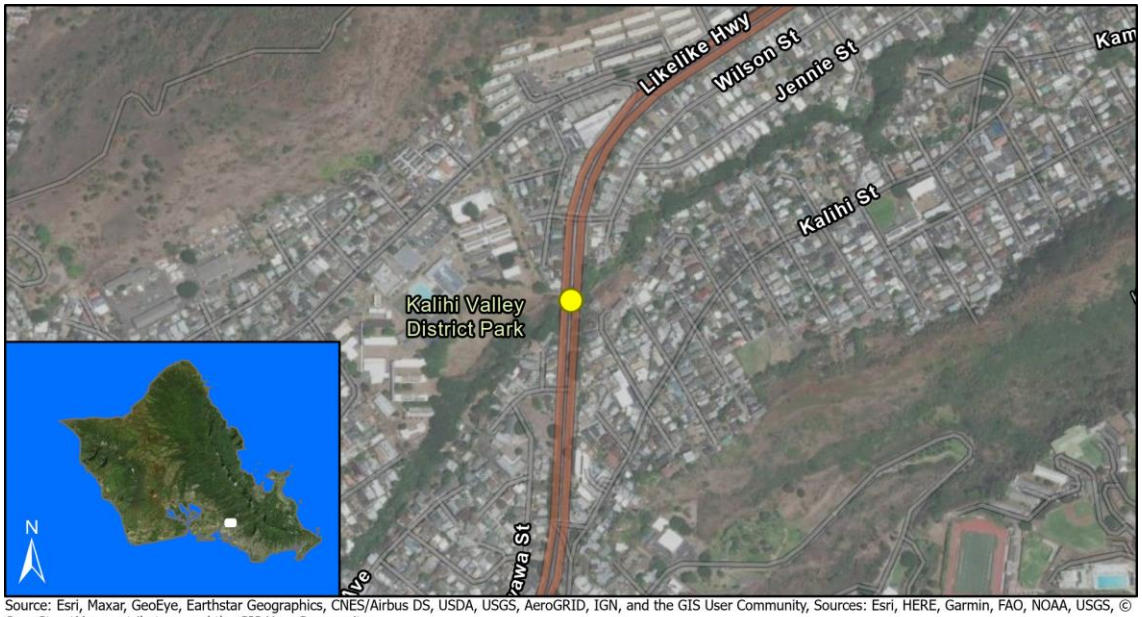
Project Sponsor: State of Hawaii (FHWA Funded)

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

FOR INFORMATION ONLY

Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
PE1	0	0	0	1,000	800	200	0	0	0	0	0	0	0	0	0	0	0	0	NHPP
PE2	0	0	0	0	0	0	1,500	1,200	300	0	0	0	0	0	0	0	0	0	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	1,000	800	200	1,500	1,200	300	0	0	0	12,000	7,600	4,400	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:
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 determine 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.)

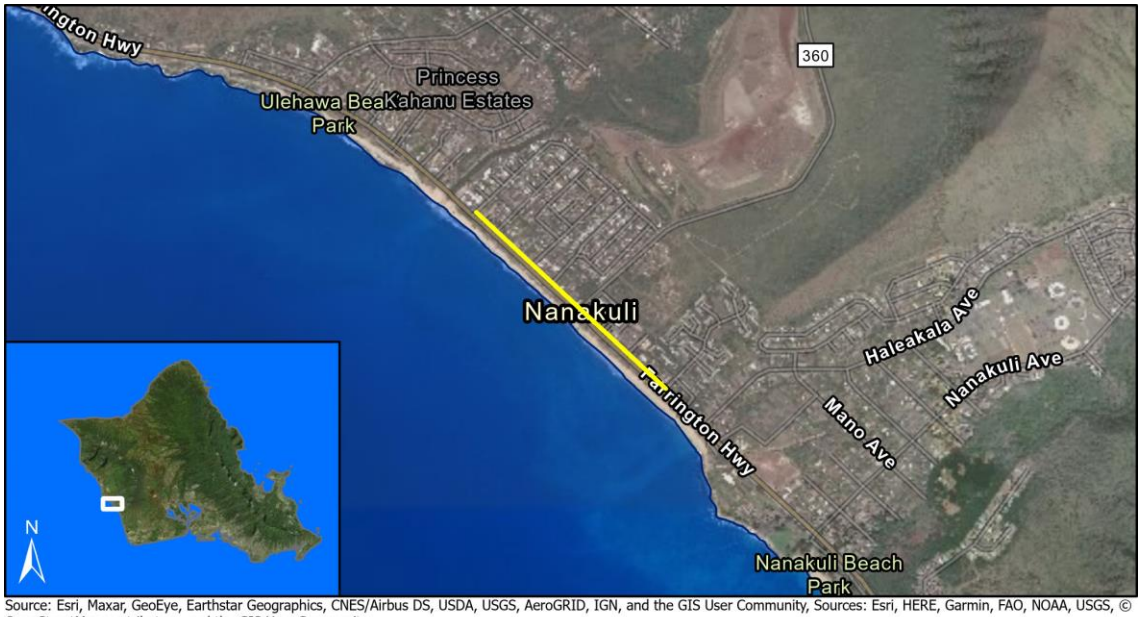
Project Sponsor: State of Hawaii (FHWA Funded)

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

FOR INFORMATION ONLY

Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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	590	472	118	0	0	0	NHPP
Total	0	0	0	0	0	0	0	0	0	710	568	142	590	472	118	0	0	0	

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-Maili

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.)

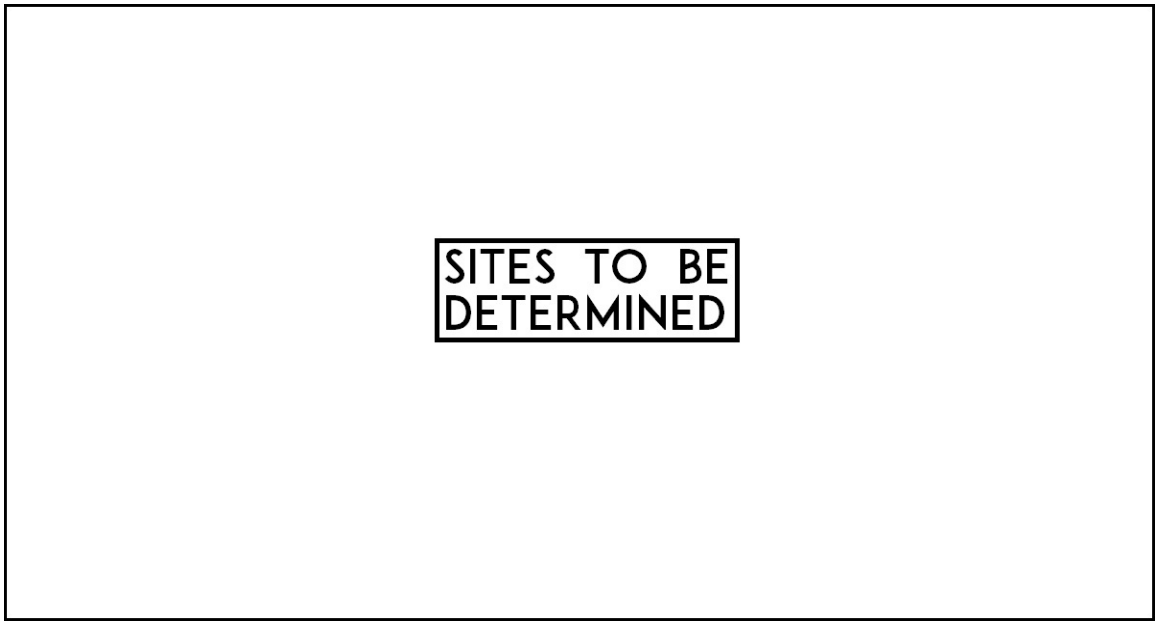
Project Sponsor: State of Hawaii (FHWA Funded)

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

FOR INFORMATION ONLY

Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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	15,000	-15,000	0	0	0	0	0	0	NHPP
Total	0	0	0	0	0	0	32,000	10,600	21,400	0	15,000	-15,000	0	0	0	0	0	0	

OS-21-56 Interstate Route H-3, Halawa Valley Mitigation, Phase 2, Native Species Area to Tunnel Portal



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 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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.)

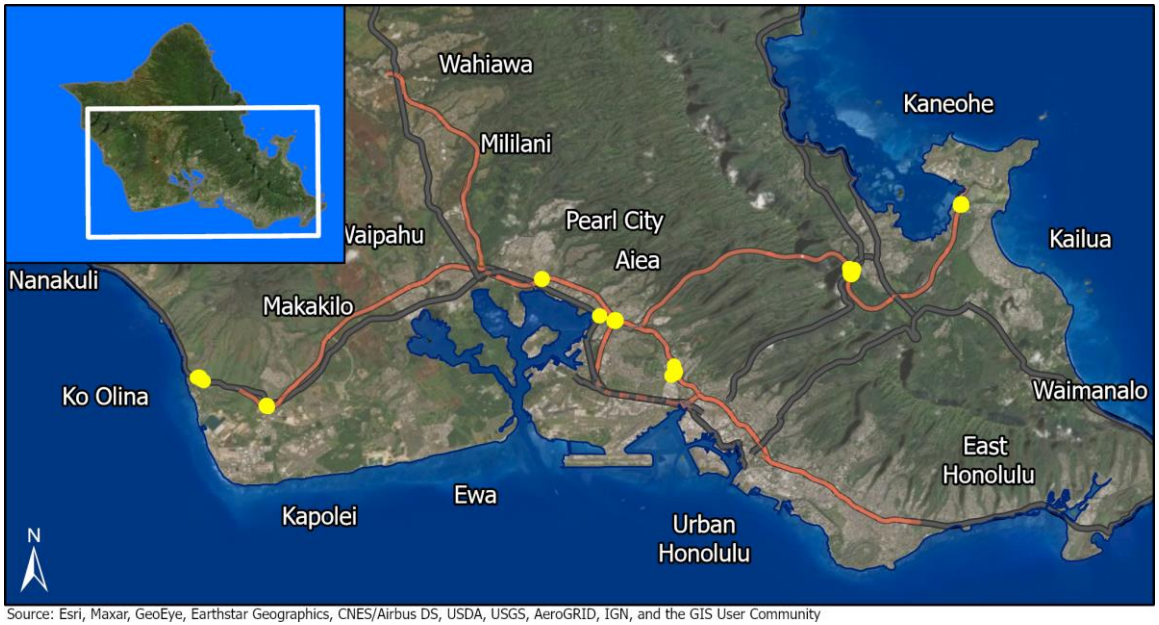
Project Sponsor: State of Hawaii (FHWA Funded)

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

FOR INFORMATION ONLY

Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
CON	2,200	1,980	220	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	

OS-22-59 Interstate Route H-3, Unit 7C



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 Availaible

Existing Feature/s: No Information Availaible

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 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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:
The project will install, operate, and maintain new controllers at 268 traffic signal locations on Oahu and 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: NA

Existing Feature/s: NA

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

	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FOR INFORMATION ONLY FFY 2026			FFY 2027			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
Phase I																			
CON	11,000	8,800	2,200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STBG
Phase II																			
CON	30,000	4,000	26,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STBG
ADVCON	0	0	0	0	10,000	-10,000	0	10,000	-10,000	0	0	0	0	0	0	0	0	0	STBG
Total	41,000	12,800	28,200	0	10,000	-10,000	0	10,000	-10,000	0	0	0	0	0	0	0	0	0	

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-Maili

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.)

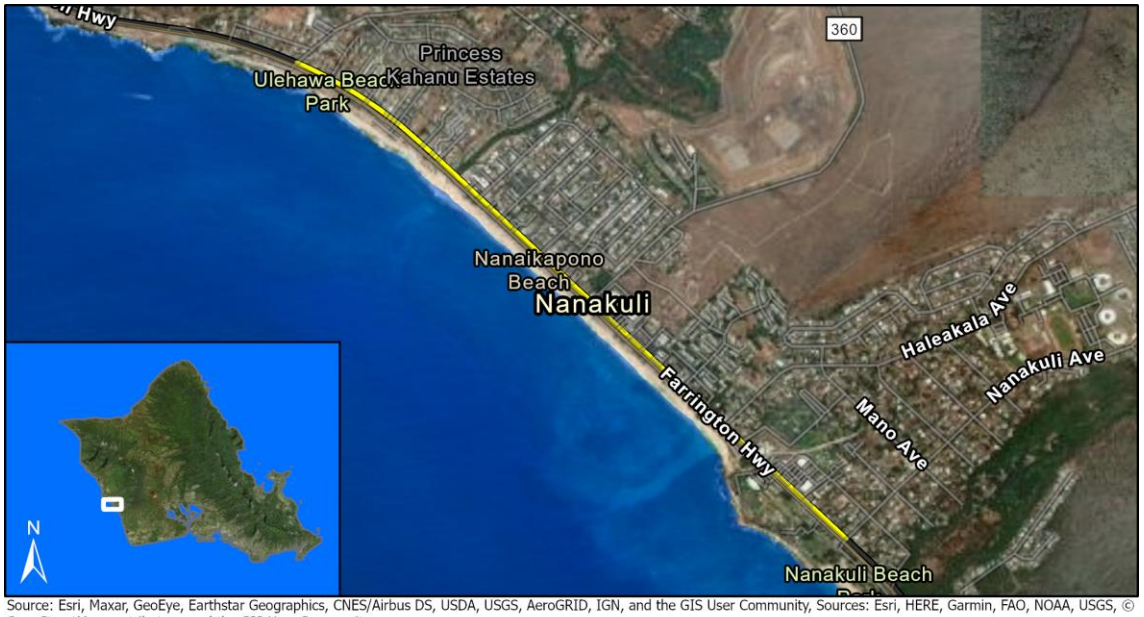
Project Sponsor: State of Hawaii (FHWA Funded)

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

FOR INFORMATION ONLY

Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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



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: The purpose of the project is to improve pedestrian safety, accessibility, and mobility with the implementation of improvements in an "area of concern" identified in the Statewide Pedestrian Master Plan. There is a need to improve pedestrian facilities for safety, accessbility, and multimodal connectivity. The project will 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.)

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): Nanakuli-Maili

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

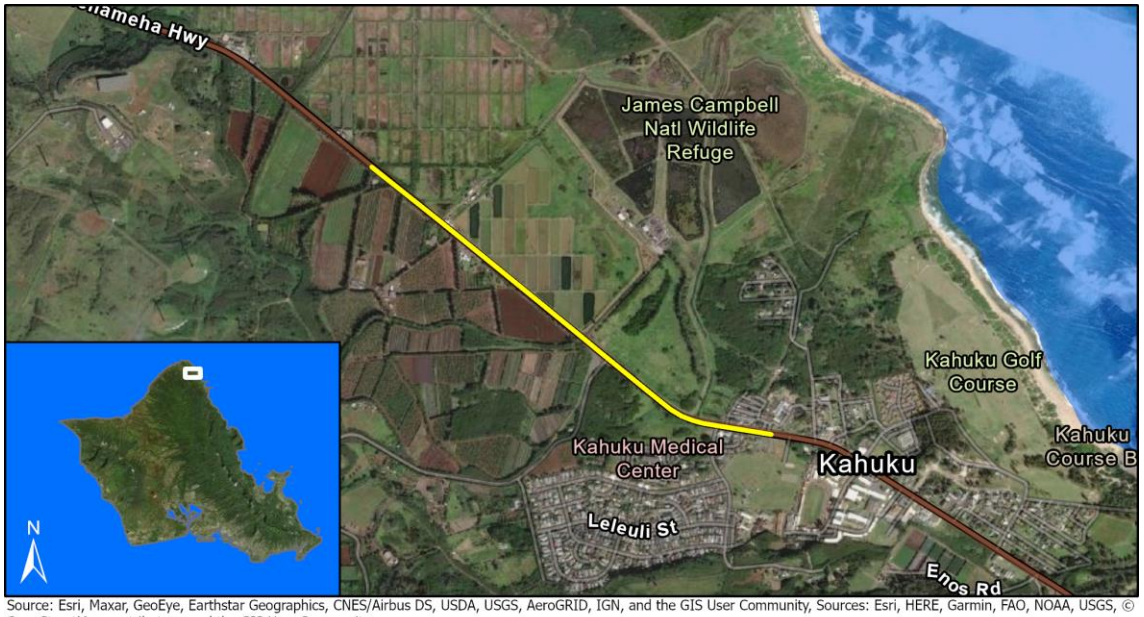
FOR INFORMATION ONLY

Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
CON	0	0	0	15,300	6,200	9,100	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	0	0	0	0	0	NHPP

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

Total	0	0	0	15,300	6,200	9,100	0	3,000	-3,000	0	3,000	-3,000	0	0	0	0	0	0

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 accorance 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.)

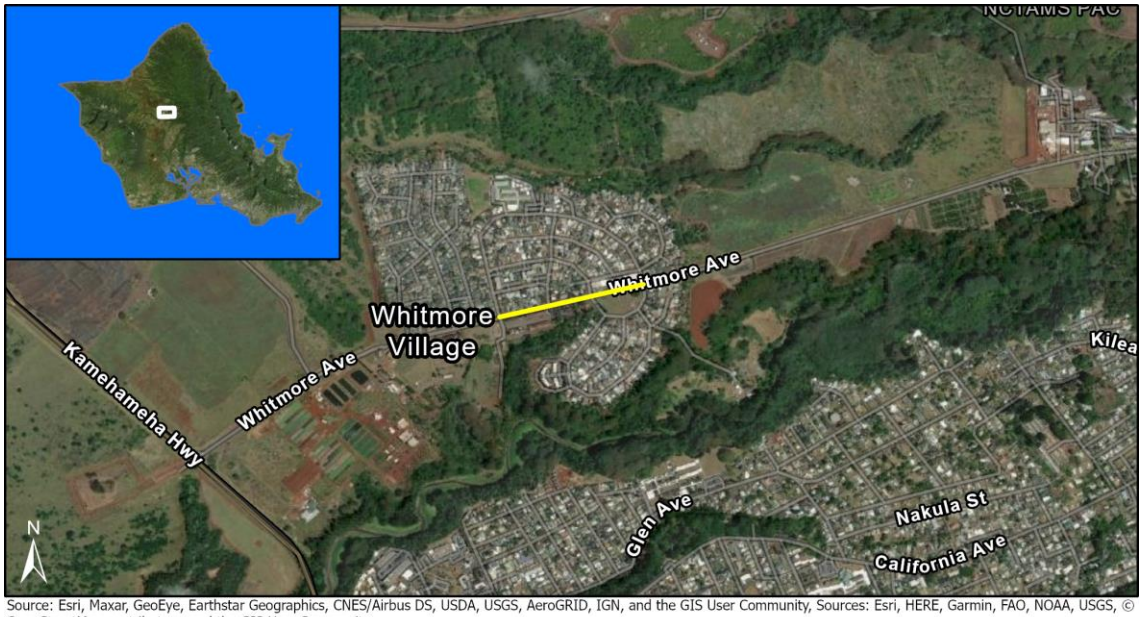
Project Sponsor: State of Hawaii (FHWA Funded)

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

FOR INFORMATION ONLY

Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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, accessbility, 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.)

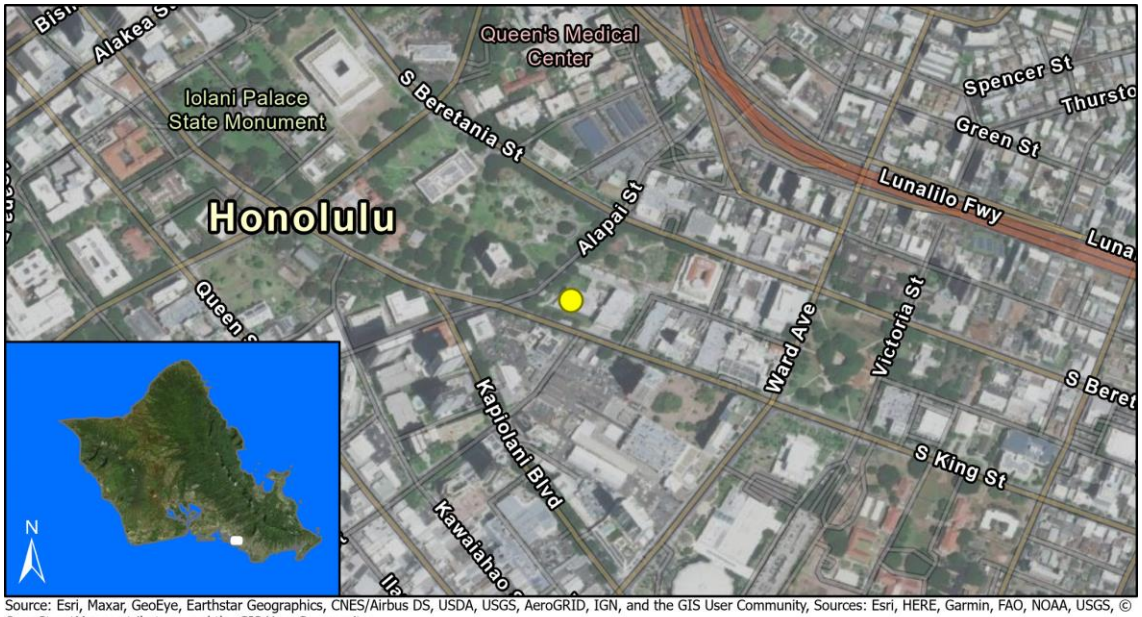
Project Sponsor: State of Hawaii (FHWA Funded)

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

	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FOR INFORMATION ONLY FFY 2026			FFY 2027			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
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

OC1 Alapai Transportation Management Center Operations



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 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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	

OC2 Bikeway Improvements Program



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

Project Description:
This is an ongoing island wide 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: $3,393,000

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

	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FOR INFORMATION ONLY FFY 2026			FFY 2027			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
Kailua-Lanikai Bike Path																			
PE1	0	0	0	510	408	102	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	STBG
ROW	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
CON	0	0	0	0	0	0	0	0	0	0	0	0	1,020	816	204	0	0	0	STBG
INSP	0	0	0	0	0	0	0	0	0	0	0	0	255	204	51	0	0	0	STBG
Waipahu Depot Shared Use Path																			
PE2	0	0	0	0	0	0	103	82	21	0	0	0	0	0	0	0	0	0	STBG
CON	0	0	0	0	0	0	0	0	0	0	0	0	1,040	832	208	0	0	0	STBG
INSP	0	0	0	0	0	0	0	0	0	0	0	0	260	208	52	0	0	0	STBG
Total	0	0	0	511	408	103	103	82	21	204	163	41	2,575	2,060	515	0	0	0	

OC3 Bridge Inspection, Inventory, and Appraisal



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

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.)

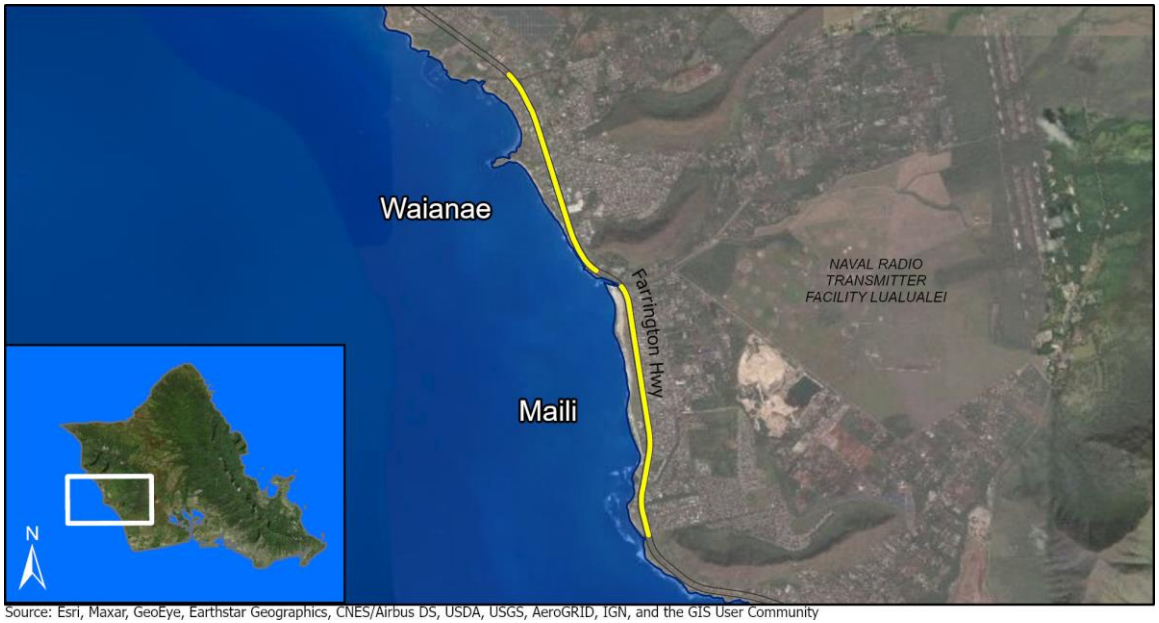
Project Sponsor: City and County of Honolulu

Agency Responsible for Carrying Out Project/Phase:
City Department of Design and Construction

FOR INFORMATION ONLY

Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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	

OC4 Computerized Traffic Control System



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: NA

Existing Feature/s: NA

Project Website: None

Neighborhood(s): Island wide

Estimated Total Project Cost: $9,275,000

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 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
Phase 16 Waianae																			
PE1	0	0	0	275	220	55	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	STBG
CON	0	0	0	0	0	0	0	0	0	0	0	0	3,334	2,667	667	0	0	0	STBG
INSP	0	0	0	0	0	0	0	0	0	0	0	0	104	0	104	0	0	0	STBG
Phase 17 Maili																			
PE1	275	220	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STBG
PE2	0	0	0	200	160	40	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	3,751	3,000	751	0	0	0	STBG
INSP	0	0	0	0	0	0	0	0	0	0	0	0	1,000	800	200	0	0	0	STBG
Total	275	220	55	475	380	95	336	269	67	0	0	0	8,189	6,467	1,722	0	0	0	

OC8 Traffic Improvements at Various Locations



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: $7,919,000

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 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
Mahoe and Waipahu Streets																			
PE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STBG
CON	0	0	0	3,500	2,800	700	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	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	STBG
PE2	0	0	0	0	0	0	156	125	31	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	STBG
INSP	0	0	0	0	0	0	0	0	0	750	600	150	0	0	0	0	0	0	STBG
Total	300	240	60	4,300	3,440	860	156	125	31	3,163	2,530	633	0	0	0	0	0	0	

OC10 Traffic Signals at Various Locations



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: $19,849,000

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 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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																			
PE2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STBG
CON	0	0	0	2,387	2,387	0	0	0	0	0	0	0	0	0	0	0	0	0	STBG
EQP	0	0	0	0	0	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	1,734	1,734	0	0	0	0	0	0	0	0	0	0	0	0	0	STBG
EQP	0	0	0	6	0	6	0	0	0	0	0	0	0	0	0	0	0	0	STBG
INSP	0	0	0	157	125	32	0	0	0	0	0	0	0	0	0	0	0	0	STBG
Phase 19 - Waialae Avenue at 16th Avenue, Moanalua Road at Ualo Street																			
PE2	0	0	0	0	0	0	688	550	138	0	0	0	0	0	0	0	0	0	STBG

OC10 Traffic Signals at Various Locations

Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FOR INFORMATION ONLY FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
Phase 19 - Waialae Avenue at 16th Avenue, Moanalua Road at Ualo Street																			
CON	0	0	0	0	0	0	0	0	0	0	0	0	1,734	1,734	0	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	957	765	192	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	484	387	97	0	0	0	0	0	0	0	0	0	0	0	0	STBG
PE2	0	0	0	0	0	0	0	0	0	688	550	138	0	0	0	0	0	0	STBG
CON	0	0	0	0	0	0	0	0	0	0	0	0	1,700	1,700	0	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	938	750	188	0	0	0	STBG
Phase 21 - Mehaula Pkwy/Ainamakua Dr (audio Ped), Kapiolani/Ward, Kapiolani/McCully																			
PE1	0	0	0	325	260	65	0	0	0	0	0	0	0	0	0	0	0	0	STBG
PE2	0	0	0	0	0	0	465	372	93	0	0	0	0	0	0	0	0	0	STBG
CON	0	0	0	0	0	0	0	0	0	0	0	0	1,700	1,700	0	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	938	750	188	0	0	0	STBG
Total	4,540	3,615	925	5,498	5,298	200	1,153	922	231	688	550	138	7,970	7,399	571	0	0	0	

OC23 Salt Lake Boulevard Widening, Phase 3B



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

Mile Post/s:

Complete Streets (CS):

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

Existing Feature/s: No information available.

Project Website: None

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

Estimated Total Project Cost: $80,000,000

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 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
PE2	10	0	10	10	0	10	0	0	0	0	0	0	10	0	10	10	0	10	Local Only
ROW	10	0	10	10	0	10	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
CON	30,000	0	30,000	2,010	0	2,010	0	0	0	0	0	0	39	0	39	0	0	0	Local Only
INSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Local Only
Total	30,020	0	30,020	2,030	0	2,030	0	0	0	0	0	0	49	0	49	10	0	10	

OC25 Transportation Alternatives Set-Aside Program (MPO) at Various Locations



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

Project Description:
The Transportation Alternatives Set-Aside Program (TA Set-Aside) is a competitive grant program that provides funding for programs and projects defined as transportation alternatives, including on- and off-road pedestrian and bicycle facilities, infrastructure projects for improving non-driver access to public transportation and enhanced mobility, and community improvement activities. Locations to be determined by the OahuMPO TAP Project Evaluation and Ranking process. HART projects may be flexed from FHWA to FTA. The Ala Wai Bridge project is a new pedestrian and bicycle bridge crossing the Ala Wai Canal in the University Ave/Kalaimoku Street alignment.

Mile Post/s:

Complete Streets (CS):

Project will implement: 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: $46,600,000

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

	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FOR INFORMATION ONLY FFY 2026			FFY 2027			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
Phase 3 - Ala Wai Bridge Project																			
PE2	0	0	0	1,418	1,134	284	0	0	0	0	0	0	0	0	0	0	0	0	STBG
PE2	0	0	0	25	20	5	0	0	0	0	0	0	0	0	0	0	0	0	STBG
PE2	0	0	0	1,250	1,000	250	0	0	0	0	0	0	0	0	0	0	0	0	TA-U
CON	0	0	0	0	0	0	10,217	8,174	2,043	10,217	8,174	2,043	10,217	8,174	2,043	0	0	0	STBG
CON	0	0	0	0	0	0	1,250	1,000	250	1,250	1,000	250	1,250	1,000	250	0	0	0	TA-U

OC25 Transportation Alternatives Set-Aside Program (MPO) at Various Locations

Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FOR INFORMATION ONLY FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FOR INFORMATION ONLY FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
Phase 3 - Ala Wai Bridge Project																			
INSP	0	0	0	0	0	0	1,720	1,376	344	1,720	1,376	344	1,720	1,376	344	0	0	0	STBG
Total	0	0	0	2,693	2,154	539	13,187	10,550	2,637	13,187	10,550	2,637	13,187	10,550	2,637	0	0	0	

OC26 Transportation Alternative Program (State)



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

Project Description:
The Transportation Alternatives Program (TAP) is a competitive grant program that provides funding for programs and projects defined as transportation alternatives, including on- and off-road pedestrian and bicycle facilities, infrastructure projects for improving non-driver access to public transportation and enhanced mobility, and community improvement activities. Locations to be determined by the State TAP Project Evaluation and Ranking process. HART projects may be flexed from FHWA to FTA. The Haleiwa Road Multi-Use Path Project will include design, construction, and inspection of improvements, including a multi-use path along Haleiwa Road between Waialua Beach Road and

Mile Post/s:

Complete Streets (CS):

Project will implement: The Haleiwa Road Multi-Use Path 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: $1,892,000

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 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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
Total	0	0	0	0	0	0	209	167	42	1,683	1,346	337	0	0	0	0	0	0	

OC29 Federal Lands Access Program (FLAP)



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

	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FOR INFORMATION ONLY FFY 2026			FFY 2027			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
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



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:
Design and install a Railroad traffic signal (and traffic camera) located at Kalaeloa Boulevard and Railroad Crossing.

Mile Post/s:

Complete Streets (CS):

Project will implement: Controlled pedestrian crossing will be installed as part of the project.

Existing Feature/s: Existing bicycle lanes will be preserved. Control of bicycles crossing the railroad tracks will be included in project

Project Website: None

Neighborhood(s): Makakilo-Kapolei-Honokai Hale

Estimated Total Project Cost: $805,000

Total Project Cost Notes:

(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 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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	500	400	100	0	0	0	0	0	0	0	0	0	HSIP
INSP	0	0	0	0	0	0	120	96	24	0	0	0	0	0	0	0	0	0	HSIP
Total	150	120	30	35	30	5	620	496	124	0	0	0	0	0	0	0	0	0	

OC-21-55 Oahu Traffic Signal Controller Modernization, Phase 2



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: NA

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: $11,876,000

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

	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FOR INFORMATION ONLY FFY 2026			FFY 2027			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
CON	7,695	6,156	1,539	1,220	976	244	0	0	0	0	0	0	0	0	0	0	0	0	STBG
INSP	1,681	1,345	336	100	80	20	0	0	0	0	0	0	0	0	0	0	0	0	STBG
Total	9,376	7,501	1,875	1,320	1,056	264	0	0	0	0	0	0	0	0	0	0	0	0	

FTA: Hawaii Department of Transportation

OS50 Transportation Assistance for Elderly and Disabled



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: $3,853,000

Total Project Cost Notes:

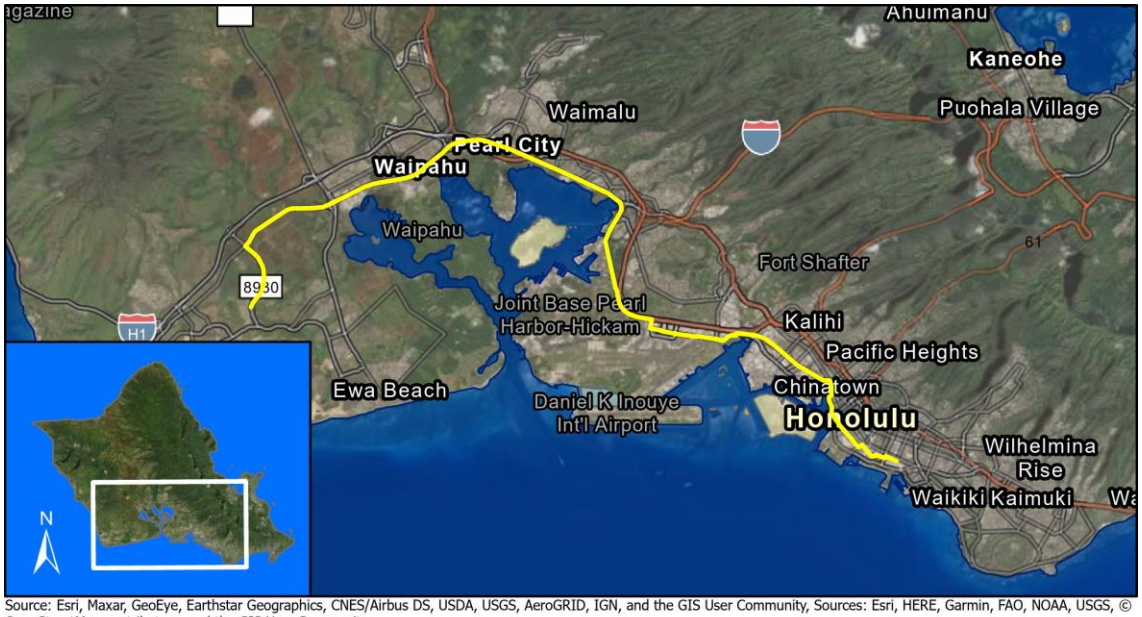
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: State of Hawaii (FTA Funded)

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

	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FOR INFORMATION ONLY FFY 2026			FFY 2027			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
EQP	594	475	119	613	490	123	632	505	127	651	521	130	671	537	134	692	554	138	§5310
Total	594	475	119	613	490	123	632	505	127	651	521	130	671	537	134	692	554	138	

OS68 State Safety Oversight Program



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 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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: $146,528,000

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

Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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 SOGR
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	37,528	30,022	7,506	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	1,886	1,509	377	0	0	0	0	0	0	0	0	0	0	0	0	§5337 SOGR
EQP	0	0	0	3,925	3,140	785	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 SOGR

OC13 Bus and Handi-Van Acquisition Program

	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FOR INFORMATION ONLY FFY 2026			FFY 2027			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
2024																			
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 SOGR
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-Urban
EQP	0	0	0	0	0	0	0	0	0	0	0	0	5,438	4,350	1,088	0	0	0	§5337 SOGR
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-Urban
EQP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,548	4,438	1,110	§5337 SOGR
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	43,814	35,051	8,763	18,462	14,769	3,693	19,379	15,502	3,877	23,655	18,923	4,732	24,674	19,739	4,935	

OC14 Bus Stop ADA Access and Site Improvements



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

Project Description:
Modify bus stops to comply with the Americans with Disabilities Act (ADA). Improve the mobility independence for transit users of all ages and abilities, pedestrian access, and the number of ADA accessible bus stops.

Mile Post/s: Not applicable

Complete Streets (CS):

Project will implement: 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: $3,815,000

Total Project Cost Notes:

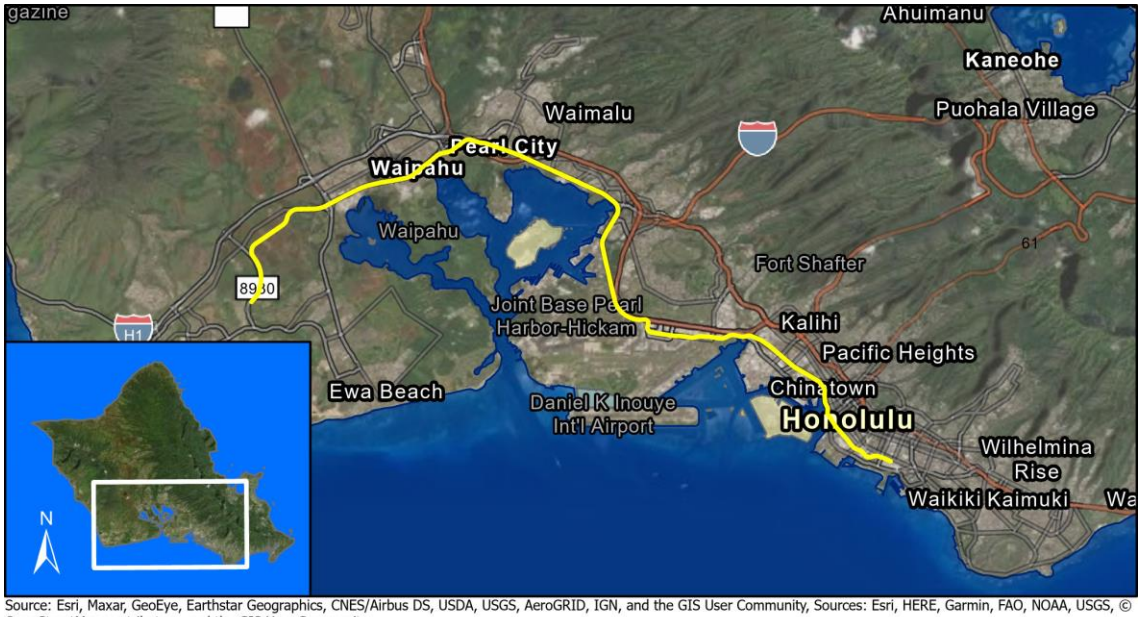
(May include project costs outside of the 4-year TIP and 2 informational years.)

Project Sponsor: City and County of Honolulu

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

	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FOR INFORMATION ONLY FFY 2026			FFY 2027			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
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	251	201	50	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	§310 ARPA & CRRSA
Total	735	612	123	616	493	123	616	493	123	616	493	123	616	493	123	616	493	123	

OC16 Honolulu Rail Transit Project



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

Mile Post/s: Not applicable

Complete Streets (CS):

Project will implement: Not applicable

Existing Feature/s: Not applicable

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

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

Estimated Total Project Cost: $11,359,000,000

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:
Honolulu Authority for Rapid Transportation

	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FOR INFORMATION ONLY FFY 2026			FFY 2027			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
§5309 American Rescue Plan Act																			
HRTP	70,000	70,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5309 ARPA
§5309 New Starts																			
HRTP	0	0	0	781,250	250,000	531,250	1,543,750	494,000	1,049,750	0	0	0	0	0	0	0	0	0	§5309 NS
Phase 1 TAP MPO - HART Secure Bike Storage Units																			
CON	0	0	0	500	400	100	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340
Phase 1 TAP State - HART Chinatown Bike Facility (FHWA to FTA Flexed Funds)																			
PE2/CON	0	0	0	250	200	50	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340
Phase 2 TAP MPO - HART Middle Loch Connector																			
CON	500	400	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340
Total	70,500	70,400	100	782,000	250,600	531,400	1,543,750	494,000	1,049,750	0	0	0	0	0	0	0	0	0	

OC20 Preventive Maintenance



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: $131,250,000

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 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
OPR	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	26,250	21,000	5,250	§5307/§5340
Total	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	26,250	21,000	5,250	

OC21 Transit Safety and Security Projects



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 facilties.

Mile Post/s: Not applicable

Complete Streets (CS):

Project will implement: Not applicable

Existing Feature/s: No information available.

Project Website: None

Neighborhood(s): Various Locations

Estimated Total Project Cost: $3,091,000

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 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
PLN	0	0	0	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	ical Funds (FTA proje
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	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	§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	457	364	93	457	364	93	457	364	93	457	364	93	457	364	93	

OC24 Capital Training



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.)

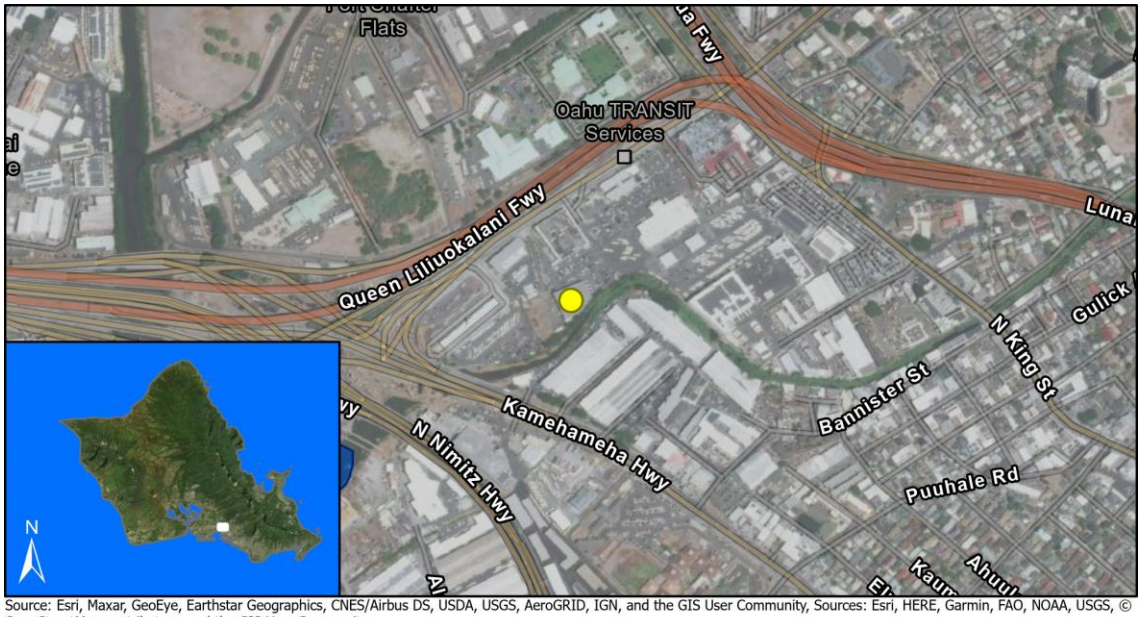
Project Sponsor: City and County of Honolulu

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

FOR INFORMATION ONLY

Phase	FFY 2022 Total (x$1000)	FFY 2022 Federal (x$1000)	FFY 2022 Local (x$1000)	FFY 2023 Total (x$1000)	FFY 2023 Federal (x$1000)	FFY 2023 Local (x$1000)	FFY 2024 Total (x$1000)	FFY 2024 Federal (x$1000)	FFY 2024 Local (x$1000)	FFY 2025 Total (x$1000)	FFY 2025 Federal (x$1000)	FFY 2025 Local (x$1000)	FFY 2026 Total (x$1000)	FFY 2026 Federal (x$1000)	FFY 2026 Local (x$1000)	FFY 2027 Total (x$1000)	FFY 2027 Federal (x$1000)	FFY 2027 Local (x$1000)	Funding Category
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	

OC31 Middle Street Transit Center



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.)

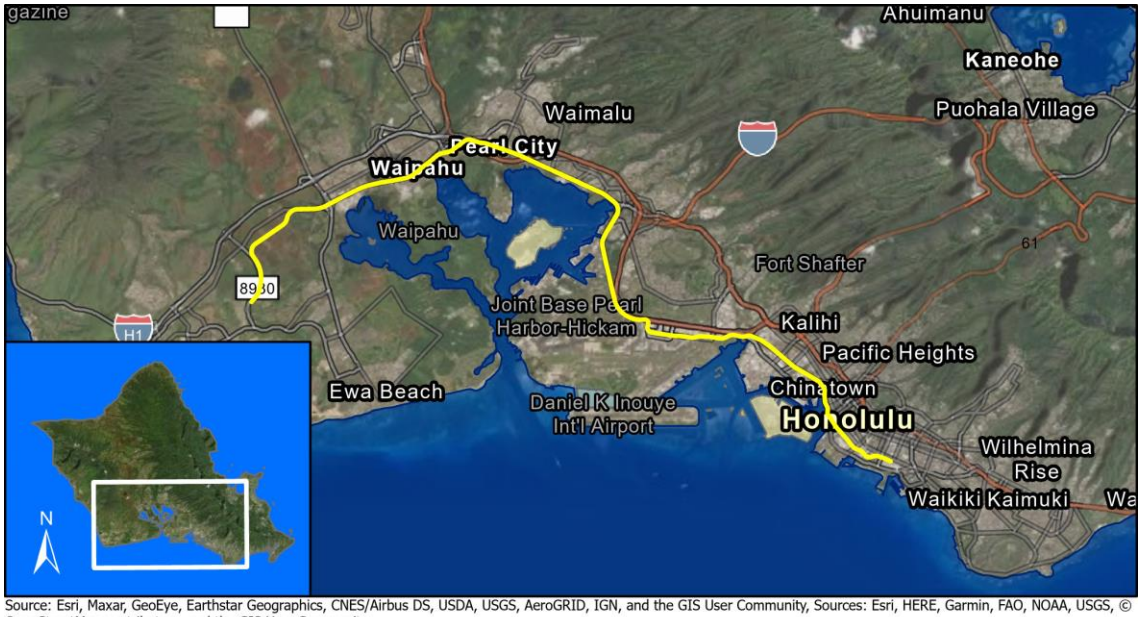
Project Sponsor: City and County of Honolulu

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

FOR INFORMATION ONLY

	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FFY 2026			FFY 2027			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
PLN	1,056	845	211	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340
PLN	-845	-845	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340
DES	2,112	1,690	422	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340
DES	-1,690	-1,690	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340
CON	-5,494	-5,494	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340
INSP	-423	-423	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340
Prior Transit Investment																			
CON	6,867	5,494	1,373	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340
INSP	529	423	106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340
Total	2,112	0	2,112	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

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



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:
This program encompasses projects that have been awarded OahuMPO Transportation Set-Aside funds (TA Set-Aside) and have been flexed from FHWA to FTA. The TA Set-Aside is a competitive grant program that provides funding for programs and projects defined as transportation alternatives, including on- and off-road pedestrian and bicycle facilities, infrastructure projects for improving non-driver access to public transportation and enhanced mobility, and community improvement activities. Locations to be determined by the OahuMPO TA Project Evaluation and Ranking process.

Mile Post/s:

Complete Streets (CS):

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

Existing Feature/s:

Project Website: 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

	FFY 2022			FFY 2023			FFY 2024			FFY 2025			FOR INFORMATION ONLY FFY 2026			FFY 2027			
Phase	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Total (x$1000)	Federal (x$1000)	Local (x$1000)	Funding Category
Rail Multimodal Access Improvements																			
PE1	1,250	1,000	250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340
PE2	2,642	2,113	529	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	§5307/§5340
CON	0	0	0	0	0	0	35,000	0	35,000	0	0	0	0	0	0	0	0	0	ical Funds (FTA proje
INSP	0	0	0	0	0	0	3,000	0	3,000	0	0	0	0	0	0	0	0	0	ical Funds (FTA proje
Total	3,892	3,113	779	0	0	0	38,000	0	38,000	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: Self Certification