

OAHU REGIONAL TRANSPORTATION PLAN 2045 (ORTP 2045)

FEDERAL FISCAL YEAR 2023

REVISION 1

December 2023



Between the regular updates that occur every five years, the Oahu Regional Transportation Plan (ORTP) may also be revised as needed to maintain consistency with the Transportation Improvement Program (TIP) using an Out-of-Cycle Revision Schedule as described in the [Oahu Regional Transportation Plan Policies and Procedures](#). This revision contains modifications to ninety-seven projects and programs which are identified as red text in the table below. Except as noted in this revision, please refer to the [ORTP 2045](#) for more information.

Project #	Agency	Project Name	Project Description	Timeframe	Last Revision	Programmed Funds (x 1000)
OC1	DTS	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.	Short-Range	TIP FFYs 2022-2025 Revision 1 Pre-Approved Administrative Modification	\$1,889
OC2	DTS	Bikeway Improvements Program	An on-going 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.	Short-Range	TIP FFYs 2022-2025 Revision 14 Administrative Modification	\$20,480
OC3	DDC	Bridge Inspection, Inventory, and Appraisal	Inventory, inspect, and appraise City bridges, including underwater inspection and scour survey.	Short-Range	TIP FFYs 2022-2025 Revision 1 Pre-Approved Administrative Modification	\$18,493
OC4	DTS	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.	Short-Range	TIP FFYs 2022-2025 Revision 9 Pre-Approved Administrative Modification	\$10,577
OC8	DTS	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.	Short-Range	TIP FFYs 2022-2025 Revision 14 Administrative Modification	\$9,969
OC10	DTS	Traffic Signals at Various Locations	Install and upgrade traffic signals island wide including ADA improvements, signs and markings, and interties.	Short-Range	TIP FFYs 2022-2025 Revision 14 Administrative Modification	\$24,893
OC13	DTS	Bus and Handi-Van Acquisition Program	Purchase replacement transit buses and Handi-Van vehicles.	Short-Range	TIP FFYs 2022-2025 Revision 15 Amendment	\$383,358

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OC14	DTS	Bus Stop ADA Access and Site Improvements	To modify bus stops and bring them into compliance with the Americans with Disabilities Act (ADA), improve the mobility independence for transit users of all ages and abilities, pedestrian access, and the number of ADA accessible bus stops.	Short-Range	TIP FFYs 2022-2025 Revision 14 Administrative Modification	\$9,867
OC16	HART	Honolulu Rail Transit Project	Plan, design, and construct a fixed guideway system between East Kapolei and Civic Center including stations and related appurtenances, park-and-ride facilities, a maintenance and storage facility, light metro vehicles, and associated core systems.	Short-Range	TIP FFYs 2022-2025 Revision 14 Administrative Modification	\$9,148,050
OC20	DTS	Preventive Maintenance	Preventive maintenance of FTA-funded rolling stock (buses and Handi-Vans) includes parts, labor, and other related expenses.	Short-Range	TIP FFYs 2022-2025 Revision 9 Pre-Approved Administrative Modification	\$105,000
OC21	DTS	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.	Short-Range	TIP FFYs 2022-2025 Revision 14 Administrative Modification	\$7,628
OC23	DDC	Salt Lake Boulevard Widening, Phase 3B	To widen the remaining unimproved section of Salt Lake Boulevard stretching 1 mile from Maluna Street to Ala Liliroi Street. Improvements include widening of the roadway to 5 lanes, drainage system improvements, traffic signals, mauka-side curb and gutter, sidewalks, and bikeways.	Short-Range	TIP FFYs 2022-2025 Revision 10 Expedited Administrative Modification	\$125,070
OC24	DTS	Capital Training	Department of Transportation Services staff attendance at training workshops offered by the National Transit Institute.	Short-Range	TIP FFYs 2022-2025 Revision 1 Pre-Approved Administrative Modification	\$146
OC25	DTS	Transportation Alternatives Program (MPO)	Provides funding for programs and projects defined as transportation alternatives, including on- and off-road pedestrian and bicycle facilities, and infrastructure projects for improving non-driver access to public transportation and enhanced mobility, and community improvement activities.	Short-Range	TIP FFYs 2022-2025 Revision 15 Amendment	\$66,400
OC26	DTS	Transportation Alternative Program (State)	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.	Short-Range	TIP FFYs 2022-2025 Revision 14 Administrative Modification	\$22,267

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OC28	DTS	Safe Routes to School (SRTS) Program	This project has been removed as the City will not proceed with this project.	Short-Range	TIP FFYs 2019-2022 Revision 8 Pre-Approved Administrative Modification	\$0
OC29	DTS	Federal Lands Access Program (FLAP)	This project has been removed due to alignment issues.	Short-Range	TIP FFYs 2022-2025 Revision 15 Amendment	\$0
OC31	DTS	Middle Street Transit Center	Acquire property located at the Middle Street Transit Center, plan, and design the entire transit campus.	Short-Range	TIP FFYs 2022-2025 Revision 14 Administrative Modification	\$42,000
OC-21-54	DTS	Kalaeloa Boulevard Railroad Improvements	Design and install a railroad traffic signal and traffic camera at the railroad crossing on Kalaeloa Blvd.	Short-Range	TIP FFYs 2022-2025 Revision 9 Pre-Approved Administrative Modification	\$1,480
OC-21-55	DTS	Oahu Traffic Signal Controller Modernization	To construct and inspect related equipment for approximately 150 traffic signalized intersections.	Short-Range	TIP FFYs 2022-2025 Revision 9 Pre-Approved Administrative Modification	\$16,251
OC-21-59	DTS	Intermodal Connectivity - TA Set-Aside (OahuMPO)	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.	Short-Range	TIP FFYs 2022-2025 Revision 14 Administrative Modification	\$43,250
OC-22-60	DTS	Capital Infrastructure Program	Plan, design, construct, inspect and provide related equipment for City projects of regional significance. Projects may be flexed from FHWA to FTA.	Short-Range	TIP FFYs 2022-2025 Revision 11 Amendment	\$156,250
OC-22-61	DTS	Honolulu Transportation Demand Management (TDM) Plan	Program to support implementation of the Transportation Demand Management (TDM) Work Action Program.	Short-Range	TIP FFYs 2022-2025 Revision 11 Amendment	\$5,000
OC-22-62	DTS	Kakaako Special District Roadway Improvement	Upgrade roads within the Kakaako Special District including Queen St, Kawaiahao St and Waimano St.	Short-Range	TIP FFYs 2022-2025 Revision 11 Amendment	\$50,000
OC-22-63	DTS	Safe Streets and Roads for All (SS4A)	Program management, design, to install and upgrade sidewalks on City streets consistent with the Pedestrian Plan.	Short-Range	TIP FFYs 2022-2025 Revision 14 Administrative Modification	\$101,000

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OC-22-64	OCCSR	Oahu Electric Vehicle Chargers	Project to plan, design, and construct charging infrastructure for electric vehicles in City facilities.	Short-Range	TIP FFYs 2022-2025 Revision 11 Amendment	\$2,450
OC-22-65	DDC	Bridge Program	Rehabilitation or replacement of existing deteriorated concrete bridges.	Short-Range	TIP FFYs 2022-2025 Revision 14 Administrative Modification	\$20,000
OC-22-66	DTS	Intermodal Connectivity - TA Set-Aside (State)	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.	Short-Range	TIP FFYs 2022-2025 Revision 14 Administrative Modification	\$43,250
OC-22-67	DTS	Intermodal Connectivity Improvements	Acquire land, plan, design, construct and inspect improvements to intermodal centers and transit complete street connections within communities.	Short-Range	TIP FFYs 2022-2025 Revision 14 Administrative Modification	\$132,000
OC-22-68	DDC	Electrification of Transportation Infrastructure	Plan, design, construct, inspect and provide related equipment to City facilities infrastructure upgrade for electric charging stations. Projects may be flexed from FHWA to FTA.	Short-Range	TIP FFYs 2022-2025 Revision 14 Administrative Modification	\$86,000
OC-22-69	DTS	Multimodal Transit Fare Collection System	Expand Honolulu HOLO Smart Card System to be available Statewide at all Hawaii Public Transit Systems.	Short-Range	TIP FFYs 2022-2025 Revision 14 Administrative Modification	\$10,344
OS1	HDOT	Bridge and Pavement Improvement Program, Oahu	System maintenance of highway bridges and pavements. Work may include bridge and/or pavement reconstruction, resurfacing, restoration, rehabilitation and/or preservation.	Short-Range	TIP FFYs 2022-2025 Revision 9 Pre- Approved Administrative Modification	\$126,000
OS4	HDOT	Farrington Highway (Route 93), Bridge Replacement, Makaha Bridges #3 & #3A	Replace two timber bridges in the vicinity of Makaha Beach Park. For both bridges, the scope includes widening the paved shoulders on the makai side from 3 feet to 10 feet; and, widening the mauka side from 1 foot to 10 feet.	Short-Range	TIP FFYs 2022-2025 Revision 1 Pre- Approved Administrative Modification	\$25,200
OS5	HDOT	Freeway Management System, Interstate H-1, H-2, and Moanalua Freeway (Routes H-201 and 78)	The program will be implemented in phases and consists of installation of closed-circuit television (CCTV) cameras, vehicle detectors, cabinets, and communication equipment including minor interior modifications of the H-3 Control Center to accommodate system improvements.	Short-Range	TIP FFYs 2022-2025 Revision 9 Pre- Approved Administrative Modification	\$200,000

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OS9	HDOT	Freeway Service Patrol	Operate roving services including towing of disabled vehicles, removing debris, providing basic fire extinguisher use, deploying traffic control devices, assisting the HPD, HFD, and EMS at crash scenes & other incidents, assisting sick or injured motorists with basic first aid, & notifying 911 of incidents.	Short-Range	TIP FFYs 2019-2022 Revision 8 Pre-Approved Administrative Modification	\$26,500
OS10	HDOT	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.	Short-Range	TIP FFYs 2022-2025 Revision 1 Pre-Approved Administrative Modification	\$6,800
OS11	HDOT	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.	Short-Range	TIP FFYs 2019-2022 Revision 18 Pre-Approved Administrative Modification	\$3,000
OS12	HDOT	Destination Sign, Upgrade/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.	Short-Range	TIP FFYs 2022-2025 Revision 14 Administrative Modification	\$46,000
OS14	HDOT	Interstate Route H-1, Guardrail and Shoulder Improvements, Kapiolani Interchange to Ainakoa Avenue	Install and/or upgrade existing guardrails, crash cushions, and concrete barriers to meet current standards. Upgrade lighting and make bike improvements near the beginning of the H-1 on ramp in the vicinity of Ainakoa Avenue to fill a gap in the bike system.	Short-Range	TIP FFYs 2022-2025 Revision 14 Administrative Modification	\$23,300
OS17	HDOT	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.	Short-Range	TIP FFYs 2022-2025 Revision 9 Pre-Approved Administrative Modification	\$139,000
OS20	HDOT	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.	Short-Range	TIP FFYs 2019-2022 Revision 11 Pre-Approved Administrative Modification	\$9,700
OS26	HDOT	Kalaniana'ole Highway (Route 72) Resurfacing, Poalima Street to Vicinity of Makai Pier	Roadway resurfacing of Kalaniana'ole Highway from Poalima Street to Vicinity of Makai Pier.	Short-Range	TIP FFYs 2022-2025 Revision 9 Pre-Approved Administrative Modification	\$22,500

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OS28	HDOT	Kamehameha Highway (Route 83), Bridge Replacement, Kaipapau Stream Bridge	Replace the existing bridge on Kamehameha Highway.	Short-Range	TIP FFYs 2022-2025 Revision 1 Pre-Approved Administrative Modification	\$25,600
OS29	HDOT	Kamehameha Highway (Route 83), Bridge Replacement, Kaluanui Stream Bridge	Replace the existing bridge.	Short-Range	TIP FFYs 2022-2025 Revision 14 Administrative Modification	\$20,000
OS31	HDOT	Kamehameha Highway (Route 83), Bridge Replacement, Laieloa Stream Bridge	Replace the existing concrete slab bridge on Kamehameha Highway in the vicinity of Laie.	Short-Range	TIP FFYs 2022-2025 Revision 9 Pre-Approved Administrative Modification	\$17,000
OS34	HDOT	Kamehameha Highway (Route 83), Bridge Replacement, Waiahole Stream Bridge	Replace the existing bridge.	Short-Range	TIP FFYs 2022-2025 Revision 14 Administrative Modification	\$17,465
OS36	HDOT	Kamehameha Highway (Route 83), Bridge Replacement, Waipilopilo Stream Bridge	Replace the existing concrete T-bridge on Kamehameha Highway in the vicinity of Hauula.	Short-Range	TIP FFYs 2022-2025 Revision 14 Administrative Modification	\$12,300
OS43	HDOT	Leeward Bikeway, Philippine Sea Road to Waipahu Depot Street	Improve the bikeway/bike path from Philippine Sea Road to Waipahu Depot Street.	Short-Range	TIP FFYs 2022-2025 Revision 3 Amendment	\$11,000
OS44	HDOT	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.	Short-Range	TIP FFYs 2022-2025 Revision 1 Pre-Approved Administrative Modification	\$23,000
OS45	HDOT	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).	Short-Range	TIP FFYs 2022-2025 Revision 9 Pre-Approved Administrative Modification	\$22,000
OS46	HDOT	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.	Short-Range	TIP FFYs 2022-2025 Revision 1 Pre-Approved Administrative Modification	\$9,500

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OS50	HDOT	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.	Short-Range	TIP FFYs 2022-2025 Revision 12 Administrative Modification	\$4,603
OS52	HDOT	Sand Island Access Road (Route 64), Truck Weigh Station, Kapalama Container Terminal	Design, construct & operate a truck weigh station to perform truck inspections & driver credential checks at the egress of the container terminal on Sand Island Acc Rd. This includes aux. lanes to accommodate trucks, traffic controls, truck weighing infrastructure & computer hardware/software, operator kiosk/office.	Short-Range	TIP FFYs 2022-2025 Revision 1 Pre- Approved Administrative Modification	\$11,000
OS57	HDOT	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 methodology that involves the estimated square footage that the State will occupy.	Short-Range	No Change	\$2,100
OS59	HDOT	Interstate Route H-1, Eastbound Improvements, Waikale to Halawa Interchange	This project has been removed as it is no longer a priority.	Short-Range	TIP FFYs 2022-2025 Revision 3 Amendment	\$0
OS61	HDOT	Kamehameha Highway (Route 83) Realignment, Vicinity of Kawaihoa Beach	Realign a portion of Kamehameha Highway, on the North Shore. The project proposes to construct a realignment of Kamehameha Highway, from Haleiwa to the vicinity of Waimea Bay to address safety issues that revolve around use of the beach.	Short-Range	TIP FFYs 2019-2022 Revision 18 Pre- Approved Administrative Modification	\$19,000
OS62	HDOT	Pali Hwy (Rte 61) Resurfacing & Lighting Improvements, Vineyard Blvd (Rte 98) to Kamehameha Hwy (Rte 83)	Scope of work includes but is not limited to cold planning, resurfacing, reconstruction of weakened pavement, installation of new highway lighting, construction of concrete median barriers, replacement of guardrails in-kind and end treatments, installation of new guardrails, installing bridge rails, and installation of signs and pavement markings.	Short-Range	TIP FFYs 2022-2025 Revision 9 Pre- Approved Administrative Modification	\$119,500
OS63	HDOT	Traffic Counting Stations at Various Locations, Oahu	This project has been removed as the scope of work will be reduced and combined in statewide project S23.	Short-Range	TIP FFYs 2022-2025 Revision 15 Amendment	\$0
OS67	HDOT	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.	Short-Range	TIP FFYs 2022-2025 Revision 1 Pre- Approved Administrative Modification	\$93,000
OS68	HDOT	HDOT State Safety Oversight Program	This funding will provide operational resources for the HDOT State Safety Oversight Program administered by the HDOT Rail Transit Safety Office and will Implement 49 CFR Part 674 State Safety Oversight Final Rule.	Short-Range	TIP FFYs 2022-2025 Revision 14 Administrative Modification	\$4,286

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OS69	HDOT	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.	Short-Range	TIP FFYs 2022-2025 Revision 9 Pre-Approved Administrative Modification	\$7,200
OS70	HDOT	Interstate Route H-1, Seismic Retrofit, Waialae Viaduct	Retrofit interchange structures to meet current seismic standards.	Short-Range	TIP FFYs 2022-2025 Revision 1 Pre-Approved Administrative Modification	\$7,764
OS71	HDOT	Kamehameha Highway (Route 83), Bridge Rehabilitation, Paumalu Bridge	Rehabilitate the existing bridge on Kamehameha Highway.	Short-Range	TIP FFYs 2019-2022 Revision 17 Amendment	\$11,960
OS72	HDOT	Kamehameha Highway (Route 83), Bridge Replacement, Waimanana Bridge	Replace the existing bridge.	Short-Range	TIP FFYs 2022-2025 Revision 14 Administrative Modification	\$11,520
OS73	HDOT	Likelike Highway (Route 63), Rehabilitation and Safety Improvements, Emmeline Place to Kahekili Highway	Scope includes, but is not limited to: 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; signing.	Short-Range	TIP FFYs 2022-2025 Revision 9 Pre-Approved Administrative Modification	\$25,000
OS74	HDOT	Interstate Route H-1, Seismic Retrofit, McCully Street Separation	Retrofit interchange structures to meet current seismic standards.	Short-Range	TIP FFYs 2022-2025 Revision 9 Pre-Approved Administrative Modification	\$3,500
OS75	HDOT	Kamehameha Highway (Route 83), Rockfall Protection, Waimea Bay	Initiate rockfall mitigation measures along Kamehameha Highway at Waimea Bay (milepost 5.4 to milepost 6.2).	Short-Range	TIP FFYs 2022-2025 Revision 14 Administrative Modification	\$35,450
OS76	HDOT	Bridge Rehabilitation Program, Various Locations TBD by the BrM (Bridge Management System)	Rehabilitate bridges.	Short-Range	TIP FFYs 2022-2025 Revision 14 Administrative Modification	\$41,390
OS77	HDOT	Bridge Replacement Program, Various Locations TBD by the BrM (Bridge Management System)	Replace bridges.	Short-Range	TIP FFYs 2022-2025 Revision 14 Administrative Modification	\$26,400

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OS78	HDOT	Bridge Seismic Retrofit Program, Various Locations TBD by the Seismic Retrofit Management Program	Seismic Retrofit of bridges.	Short-Range	TIP FFYs 2022-2025 Revision 14 Administrative Modification	\$19,400
OS79	HDOT	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.	Short-Range	TIP FFYs 2022-2025 Revision 9 Pre-Approved Administrative Modification	\$70,000
OS80	HDOT	Traffic Signal Modernization Program, Various Locations	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.	Short-Range	TIP FFYs 2022-2025 Revision 15 Amendment	\$81,500
OS82	HDOT	Interstate Route H-1 Improvements, Eastbound, Ola Lane Overpass to Vineyard Boulevard	Eastbound Operational/congestion improvements, and structural improvements to bridges within the limits.	Short-Range	TIP FFYs 2022-2025 Revision 9 Pre-Approved Administrative Modification	\$90,000
OS84	HDOT	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.	Short-Range	TIP FFYs 2022-2025 Revision 4 Pre-Approved Administrative Modification	\$6,400
OS-21-43	HDOT	Kamehameha Highway (Route 99) Seismic Retrofit, Pearl Harbor Interchange, Structure #2	Retrofit interchange structures to meet current seismic standards. All bridges identified to be potentially vulnerable to earthquake damage/collapse need to be analyzed and designed for retrofitting strategies to prevent their collapse during a credible earthquake. The type and scope of the retrofit work can only be determine through the analysis.	Short-Range	TIP FFYs 2022-2025 Revision 9 Pre-Approved Administrative Modification	\$5,000
OS-21-44	HDOT	Pali Highway Rockfall Mitigation, Vicinity of MP 6.10 to MP 6.55	Mitigate past rockfall events and prevent future damage to the roadway infrastructure.	Short-Range	TIP FFYs 2022-2025 Revision 14 Administrative Modification	\$13,329
OS-21-45	HDOT	Pali Highway, Rockfall Mitigation, Vicinity of MP 5.9 to MP 6.1	Mitigate past rockfall events and prevent future damage to the roadway infrastructure.	Short-Range	TIP FFYs 2022-2025 Revision 14 Administrative Modification	\$5,000
OS-21-46	HDOT	Interstate Route H-1, Kunia Interchange Improvements	Make improvements to existing Kunia Interchange to increase capacity and provide better directional accessibility.	Short-Range	No Change	\$160,000

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OS-21-47	HDOT	Interstate Route H-1 Highway Lighting Improvements, Kaimakani Overpass to Gulick Avenue	Upgrade highway lighting to standards. Installation of new highway lighting system consist of new light poles and conduits, LED fixtures, trenching for conduits, conducts, foundations/barriers, power equipment, erosion control, and traffic control.	Short-Range	TIP FFYs 2022-2025 Revision 9 Pre-Approved Administrative Modification	\$40,000
OS-21-48	HDOT	Kamehameha Highway Safety Improvements, Kukuna Road to Kahana Valley Road	This project has been removed as the scope will be picked up in the ongoing Indefinite Delivery Indefinite Quantity (IDIQ) pavement project in the same area.	Short-Range	TIP FFYs 2022-2025 Revision 6 Amendment	\$0
OS-21-49	HDOT	Harbor Access Road (Route 94)	Provide a new roadway extension from existing Hanua Street (route 94) to H-1 to provide improved access to Kalaeloa Harbor. 3 out of 4 construction phases remaining. Ph2 - Kapolei Parkway to Komohaha Street. Ph3 - Komohana Street to Drainage Channel. Ph4 - Drainage Channel to Harbor.	Short-Range	No Change	\$142,000
OS-21-50	HDOT	Interstate Route H-3, Halawa Valley Mitigation, Phase 3, Gate 3 to Native Species Area	Provide mitigation to help restore Halawa Valley to pre H-3 conditions as much as reasonably possible.	Short-Range	TIP FFYs 2022-2025 Revision 4 Pre-Approved Administrative Modification	\$5,500
OS-21-51	HDOT	Moanalua Freeway, (Interstate Route H-201) Seismic Retrofit, Puuloa Interchange (Five Structures)	Retrofit interchange structures to meet current seismic standards. All bridges identified to be potentially vulnerable to earthquake damage/collapse need to be analyzed and designed for retrofitting strategies to prevent their collapse during a credible earthquake.	Short-Range	TIP FFYs 2022-2025 Revision 9 Pre-Approved Administrative Modification	\$15,000
OS-21-52	HDOT	Likeline Highway (Route 63) Seismic Retrofit, Kalihi Stream Bridges	Retrofit bridge structures to meet current seismic standards. All bridges identified to be potentially vulnerable to earthquake damage/collapse need to be analyzed and designed for retrofitting strategies to prevent their collapse during a credible earthquake. The type and scope of the retrofit work can only be determine through the analysis.	Short-Range	TIP FFYs 2022-2025 Revision 9 Pre-Approved Administrative Modification	\$11,300
OS-21-53	HDOT	Farrington Highway (RTE 93) Widening (Helelua St to Mohihi St) & Sidewalk (Hakimo Rd to Nanakuli Ave) Improvements	Install a 5th lane on Farrington Highway from Helelua Street to Mohihi Street and construct a new sidewalk from Hakimo Rd to Nanakuli Ave.	Short-Range	TIP FFYs 2022-2025 Revision 15 Amendment	\$51,500
OS-21-56	HDOT	Interstate Route H-3, Halawa Valley Mitigation, Phase 2, Native Species Area to Tunnel Portal	Provide mitigation to help restore Halawa Valley to pre H-3 conditions as much as reasonably possible.	Short-Range	TIP FFYs 2022-2025 Revision 1 Pre-Approved Administrative Modification	\$5,500

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OS-21-57	HDOT	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.	Short-Range	TIP FFYs 2022-2025 Revision 1 Pre-Approved Administrative Modification	\$2,750
OS-22-58	HDOT	High Friction Surface Treatment on Highway Ramps, Oahu	Installation of high friction surface treatments on 8 ramps at various locations on Oahu.	Short-Range	TIP FFYs 2022-2025 Revision 3 Amendment	\$2,700
OS-22-59	HDOT	Interstate Route H-3, Unit 7C	Improve access road from Halawa Valley Road to Gate 1 (next to Hawaiian Cement).	Short-Range	TIP FFYs 2022-2025 Revision 4 Pre-Approved Administrative Modification	\$4,400
OS-22-60	HDOT	Adaptive Traffic Signal Control Technology & Traffic Signal Controller Installation at Various Locations, Oahu	Implement Adaptive Traffic Control Systems (ATCS) at various locations on Oahu. ATCS are a potential method of dealing with congestion, which adjusts signal timing to accommodate changing traffic patterns. Work may include providing and installing hardware, software, vehicle detection, and staff training.	Short-Range	TIP FFYs 2022-2025 Revision 9 Pre-Approved Administrative Modification	\$41,000
OS-22-61	HDOT	Farrington Highway (Route 93) Bridge Rehabilitation, Ulehawa Stream Bridge	Rehabilitate the existing bridge	Short-Range	TIP FFYs 2022-2025 Revision 14 Administrative Modification	\$25,720
OS-22-63	HDOT	Kamehameha Highway Wetland Enhancement at James Campbell National Wildlife Refuge	Mitigation of wetland loss due to Haleiwa Bypass Road and the Kahekili Highway Widening projects.	Short-Range	TIP FFYs 2022-2025 Revision 14 Administrative Modification	\$2,500
OS-22-64	HDOT	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.	Short-Range	TIP FFYs 2022-2025 Revision 6 Amendment	\$3,100
OS-23-65	HDOT	Farrington Highway (Route 93), Bridge Rehabilitation, Mailiili Stream Bridge	Rehabilitate Mailiili Stream Bridge.	Short-Range	TIP FFYs 2022-2025 Revision 15 Amendment	\$14,220
OS-23-66	HDOT	Interstate Route H-2, Panakauihi 3-144 and 4-144 Culvert Rehabilitation	Rehabilitation of 3 144" and 4 144" culverts under H2.	Short-Range	TIP FFYs 2022-2025 Revision 15 Amendment	\$13,000
OS-23-67	HDOT	Interstate Route H-3, Luluku Culvert Repair, Vicinity of Interstate Route H-3 (MP 8.67) and Likelike Hwy	Replacement and upgrade of culvert beneath the H-3 service road in Luluku.	Short-Range	TIP FFYs 2022-2025 Revision 15 Amendment	\$6,000

Project #	Agency	Project Name	Project Description	Timeframe	Last Revision	Programmed Funds (x 1000)
OS-23-68	HDOT	Kamehameha Highway (Route 80), Bridge Rehabilitation, NF Kaukonahua (Karsten Thot) Bridge	Rehabilitate Karsten Thot Bridge.	Short-Range	TIP FFYs 2022-2025 Revision 15 Amendment	\$30,912
OS-23-69	HDOT	Kamehameha Hwy (Route 83), Rehabilitation, Waimea Stream Bridge	Rehabilitation of Waimea Stream Bridge.	Short-Range	TIP FFYs 2022-2025 Revision 15 Amendment	\$5,664
OS-23-70	HDOT	Likelike Highway (Rte 63), Tunnel Rehabilitation, Wilson Tunnels	Rehabilitation of Wilson Tunnels on Likelike Highway, Route 63.	Short-Range	TIP FFYs 2022-2025 Revision 15 Amendment	\$47,320
O-21-1	HDOT	Congestion Mitigation Program	Projects identified by the congestion program primarily provide infrastructure, operations improvements, and technology to optimize traffic flow, reduce travel times, and address recurring and non-recurring events/incidents that cause congestion.	Mid-Range	No Change	\$355,000
O-21-2	DTS	Farrington Highway (Route 7110), Widening, Golf Course Road to west of Fort Weaver Road	This project has been removed as the project has been funded.	Mid-Range	Was not carried over to TIP FFYs 2022-2025	\$0
O-21-3	DTS	Interstate Route H-1, Corridor Study, Short Term Improvements	Develop top short-term capacity/congestion improvements in the Final Interstate H-1 Corridor Study.	Mid-Range	No Change	\$2,200
O-21-4	HDOT	Interstate Route H-1, New Interchange, Kapolei Interchange	Construct new Interstate Route H-1 Kapolei Interchange for Kapolei between the Palailai Interchange and Makakilo Interchange. Project to be constructed in multiple phases.	Mid-Range	No Change	\$116,000
O-21-5	HDOT	Interstate Route H-1, Waiawa Interchange to Halawa Interchange, Widening, Eastbound	Widen Interstate Route H-1 to six lanes from the Waiawa Interchange to the Halawa Interchange in the eastbound direction and restore the current freeway lane width and shoulder standards.	Mid-Range	No Change	\$251,000
O-21-6	HDOT	Kahekili Highway (Route 83) Improvements, Likelike Hwy to Kamehameha Hwy	Capacity improvements through the defined limits, which could include widening and/or improving intersections. Cost is based on a potential full build alternative.	Mid-Range	No Change	\$112,000
O-21-7	DTS	Kalaeloa Boulevard, Reconstruction and Widening; Lauwiliwili Street to Olai Street	Improve and reconstruct Kalaeloa Boulevard between Lauwiliwili Street and Olai Street.	Mid-Range	No Change	\$35,300
O-21-8	HDOT	Kamehameha Highway (Route 99), Widening, Lanikuhana Avenue to Ka Uka Boulevard	Widen Kamehameha Highway from a three-lane to a four-lane divided facility between Lanikuhana Avenue and Ka Uka Boulevard. This project includes shoulders for bicycles and disabled vehicles, bridge crossing replacement, bikeways, etc.	Mid-Range	No Change	\$160,300

Project #	Agency	Project Name	Project Description	Timeframe	Last Revision	Programmed Funds (x 1000)
O-21-9	DTS	Kapolei Parkway, Extension & Widening, Aliinui Drive to Kalaeloa Boulevard	Extend the existing four-lane Kapolei Parkway, from Aliinui Drive to Hanua Street. This project includes widening of Kapolei Parkway from four to six lanes from Hanua Street to Kalaeloa Boulevard.	Mid-Range	No Change	\$53,000
O-21-10	DTS	Makakilo Drive, Second Access, Makakilo Drive to Kualaka'i Parkway / Interstate Route H-1 Interchange	Extend Makakilo Drive (vicinity Pueonani Street) south to the Interstate Route H-1 Interchange as four-lane roadway, connecting Makakilo Drive to Kualaka'i Parkway.	Mid-Range	No Change	\$83,900
O-21-11	DTS	City Operations and Maintenance (O&M): Roadways	Maintain and operate the City's existing and future roadways. Includes, but is not limited to, bridge inspection, resurfacing, guardrail and shoulder improvements, lighting improvements, drainage improvements, signal and sign upgrades, pedestrian signals, and maintenance facilities, etc.	Mid-Range	No Change	\$593,000
O-21-12	HDOT	Resiliency Program	The resiliency program identifies projects that improve our ability to adapt to changing conditions and withstand, respond to, and recover rapidly from disruptions. This includes responding to risk or vulnerabilities in our transportation system related to extreme weather/natural disasters, emergency events or non-recurring incidents, and sea level rise.	Mid-Range	No Change	\$257,000
O-21-13	HDOT	State Operations and Maintenance	Maintain and operate the State's existing and future highway operations and routine maintenance. Special Maintenance Program (SMP) Projects include, but are not limited to, pavement repair, preventative maintenance, resurfacing and rehabilitation, etc.	Mid-Range	No Change	\$343,000
O-21-14	HDOT	System Preservation Program	The system preservation program identifies projects that preserve, upgrade, and maintain the State Highway System to help ensure the functionality of the system, that it operates safely and efficiently, and meets federal requirements.	Mid-Range	No Change	\$275,500
O-21-15	HDOT	Safety Program	The safety program supports Hawaii's roadway users arriving safely at their destinations by collecting data to identify areas characterized with high crash occurrences; implementing both infrastructure improvements and integrity of and/or upgrading roadway features to reduce injuries and increase survivability during crashes.	Mid-Range	No Change	\$270,000
O-21-16	DTS	Honolulu Urban Bus (HUB) Circulator System	Construct the Honolulu Urban Bus (HUB) Circulator System - a high-frequency electric circulator bus system connecting Downtown, Kakaako, Ala Moana, Waikiki, University of Hawaii- Manoa, and Makiki.	Mid-Range	No Change	\$83,100

Project #	Agency	Project Name	Project Description	Timeframe	Last Revision	Programmed Funds (x 1000)
O-21-17	DTS	Transit Centers, Various Locations	Construct transit centers and provide accessibility at various locations island wide to support transit operations.	Mid-Range	No Change	\$42,000
O-21-18	DTS	City Operations and Maintenance (O&M): Transit	Maintain and operate the City's existing and future transit and paratransit operations and routine maintenance. Includes, but is not limited to, operation of the transit system, maintenance of current transit centers and bus/rail facilities, and improvement of bus stop sites and bus pads.	Mid-Range	No Change	\$6,518,000
O-21-19	DTS	City Rail Rehabilitation and Fleet Expansion	Provide for rehabilitation of track and expansion of rail fleet.	Mid-Range	No Change	\$329,828
O-21-20	DTS	Human Services Transportation Coordination Program	Provide a range of transportation services targeted to disadvantaged populations under the Human Services Transportation Coordination Program.	Mid-Range	No Change	\$9,400
O-21-21	DTS	TheBus Service, Expansion, Islandwide	Expand TheBus service through increase of capacity, support access to the Honolulu High-Capacity Transit Corridor project and provide access improvements for bicyclists and pedestrians near bus stops and transit centers. Expanded service will be ADA compliant.	Mid-Range	No Change	\$473,650
O-21-22	DTS	Alternatives Projects	Implement enhancement projects, including but not limited to safe routes to school projects, pedestrian crossing safety improvements, and projects from the Transportation Alternatives Program (TAP) for Oahu.	Mid-Range	No Change	\$97,600
O-21-23	DTS	Oahu Bike Plan	Implement elements of the City and County Bike Projects.	Mid-Range	No Change	\$52,200
O-21-24	DTS	Intelligent Transportation Systems (ITS)	Implement ITS projects including, but not limited to, those identified in the Oahu Regional ITS Architecture.	Mid-Range	No Change	\$56,100
O-21-25	DTS	Transportation Demand Management (TDM) Program	Develop a TDM program that could include, but is not limited to: 1. Free real-time online carpool matching; 2. Outreach promotion and marketing of alternative transportation; 3. Emergency ride home program; 4. Major special events; 5. Employer based commuter programs; 6. Emerging and innovative strategies (bike or car sharing); and 7. Vanpool.	Mid-Range	No Change	\$11,000
O-21-1	HDOT	Congestion Mitigation Program	Projects identified by the congestion program primarily provide infrastructure, operations improvements, and technology to optimize traffic flow, reduce travel times, and address recurring and non-recurring events/incidents that cause congestion.	Long-Range	No Change	\$355,000

Project #	Agency	Project Name	Project Description	Timeframe	Last Revision	Programmed Funds (x 1000)
O-21-11	DTS	City Operations and Maintenance (O&M): Roadways	Maintain and operate the City's existing and future roadways. Includes, but is not limited to, bridge inspection, resurfacing, guardrail and shoulder improvements, lighting improvements, drainage improvements, signal and sign upgrades, pedestrian signals, and maintenance facilities, etc.	Long-Range	No Change	\$883,600
O-21-12	HDOT	Resiliency Program	The resiliency program identifies projects that improve our ability to adapt to changing conditions and withstand, respond to, and recover rapidly from disruptions. This includes responding to risk or vulnerabilities in our transportation system related to extreme weather/natural disasters, emergency events or non-recurring incidents, and sea level rise.	Long-Range	No Change	\$257,000
O-21-13	HDOT	State Operations and Maintenance	Maintain and operate the State's existing and future highway operations and routine maintenance. Special Maintenance Program (SMP) Projects include, but are not limited to, pavement repair, preventative maintenance, resurfacing and rehabilitation, etc.	Long-Range	No Change	\$343,000
O-21-14	HDOT	System Preservation Program	The system preservation program identifies projects that preserve, upgrade, and maintain the State Highway System to help ensure the functionality of the system, that it operates safely and efficiently, and meets federal requirements.	Long-Range	No Change	\$275,500
O-21-15	HDOT	Safety Program	The safety program supports Hawaii's roadway users arriving safely at their destinations by collecting data to identify areas characterized with high crash occurrences; implementing both infrastructure improvements and non-infrastructure education and public outreach; and maintaining the integrity of and/or upgrading roadway features to reduce injuries and increase survivability during crashes.	Long-Range	No Change	\$270,000
O-21-18	DTS	City Operations and Maintenance (O&M): Transit	Maintain and operate the City's existing and future transit and paratransit operations and routine maintenance. Includes, but is not limited to, operation of the transit system, maintenance of current transit centers and bus/rail facilities, and improvement of bus stop sites and bus pads.	Long-Range	No Change	\$10,007,816
O-21-19	DTS	City Rail Rehabilitation and Fleet Expansion	Provide for rehabilitation of track and expansion of rail fleet.	Long-Range	No Change	\$136,426
O-21-20	DTS	Human Services Transportation Coordination Program	Provide a range of transportation services targeted to disadvantaged populations under the Human Services Transportation Coordination Program.	Long-Range	No Change	\$9,400

Project #	Agency	Project Name	Project Description	Timeframe	Last Revision	Programmed Funds (x 1000)
O-21-21	DTS	TheBus Service, Expansion, Islandwide	Expand TheBus service through increase of capacity, support access to the Honolulu High-Capacity Transit Corridor project and provide access improvements for bicyclists and pedestrians near bus stops and transit centers. Expanded service will be ADA compliant.	Long-Range	No Change	\$473,650
O-21-22	DTS	Alternatives Projects	Implement enhancement projects, including but not limited to safe routes to school projects, pedestrian crossing safety improvements, and projects from the Transportation Alternatives Program (TAP) for Oahu.	Long-Range	No Change	\$364,700
O-21-23	DTS	Oahu Bike Plan	Implement elements of the City and County Bike Projects.	Long-Range	No Change	\$54,700
O-21-24	DTS	Intelligent Transportation Systems (ITS)	Implement ITS projects including, but not limited to, those identified in the Oahu Regional ITS Architecture.	Long-Range	No Change	\$152,400
O-21-25	DTS	Transportation Demand Management (TDM) Program	Develop a TDM program that could include, but is not limited to: 1. Free real-time online carpool matching; 2. Outreach promotion and marketing of alternative transportation; 3. Emergency ride home program; 4. Major special events; 5. Employer based commuter programs; 6. Emerging and innovative strategies (bike or car sharing); and 7. Vanpool.	Long-Range	No Change	\$22,100
O-21-26	HDOT	Farrington Highway (Route 93), Widening, Hakimo Road to Kalaeloa Boulevard	Widen Farrington Highway from four to six lanes, from Hakimo Road to Kalaeloa Boulevard, including intersection of Lualualei Naval Road.	Long-Range	No Change	\$252,000
O-21-27	DTS	Fort Barrette Road	Extend as four-lane roadway between Roosevelt and Saratoga.	Long-Range	No Change	\$13,200
O-21-28	HDOT	Fort Barrette Road (Route 901), Widening, Farrington Highway to Barber's Point Gate	Widen Fort Barrette Road from two to four lanes from Farrington Highway to Barber's Point Gate.	Long-Range	No Change	\$50,000
O-21-29	DTS	Kamokila Boulevard	Extend as four-lane roadway between Roosevelt and Saratoga.	Long-Range	No Change	\$28,700
O-21-30	HDOT	Kualaka'i Parkway (Route 8930), Widening, Interstate Route H-1 to Franklin D Roosevelt Avenue	Extend Kualaka'i Parkway from Kapolei Parkway to Franklin D Roosevelt Avenue	Long-Range	No Change	\$20,000
O-21-31	HDOT	Kualaka'i Parkway (Route 8930), Widening, Interstate Route H-1 to Franklin D Roosevelt Avenue	Widen and extend Kualaka'i Parkway from three to six lanes from Kapolei Parkway to Interstate Route H-1 and extend from Kapolei Parkway to Franklin D Roosevelt Avenue (six lanes).	Long-Range	No Change	\$180,000