

Table 6-1 ORTP 2040 Projects List

	Project No.	City / State	Project Title	Description	Cost \$Millions
<b>Mid-Range Projects - 2019 to 2029</b>	<b>Congestion Mitigation Project(s)</b>				
	1	C/S	Bike Plan Hawaii - Oahu and Oahu Bike Plan	Implement Oahu elements of the State of Hawaii’s Bike Plan Hawaii and City and County Bike Projects.	51.5
	2	C/S	Intelligent Transportation Systems (ITS)	Implement ITS projects including, but not limited to, those identified in the Oahu Regional ITS Architecture.	50.8
	4	C/S	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.	10
	5	C/S	Interstate Route H-1, Corridor Study, Short Term Improvements	Develop top short term capacity/congestion improvements in the Final Interstate H-1 Corridor Study.	2
	<b>Enhancement Project(s)</b>				
	101	C	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.	12

	<b>Project No.</b>	<b>City / State</b>	<b>Project Title</b>	<b>Description</b>	<b>Cost \$Millions</b>
<b>Mid-Range Projects - 2019 to 2029</b>	<b>Modernization Project(s)</b>				
	201	S	Kamehameha Highway (Route 83), Safety Improvements, Haleiwa to Kahaluu	Construct safety improvements along Kamehameha Highway, from Haleiwa to Kahaluu. Safety improvements include turn lanes, guardrails, signage, crosswalks, etc. to improve safety. Widening of Kamehameha Highway will only be in areas where needed for storage/turn lanes safety improvements.	49.5
	202	S	Kamehameha Highway (Route 83), Safety & Operational Improvements, Kaalaea Stream to Hygienic Store	Construct safety and operational improvements along Kamehameha Highway, between Kaalaea Stream and Hygienic Store. Safety and operational improvements include passing and turning lanes, modification of signals, and installation of signs, flashers, and other warning devices. This project also includes replacement of Kaalaea Stream Bridge and Haiamoa Stream Bridge with structures that meet current design standards.	17
	203	S	Kalaniana'ole Highway (Route 72), Safety & Operational Improvements, Olomana Golf Course to Waimanalo Beach Park	Construct safety and operational improvements along Kalaniana'ole Highway between the Olomana Golf Course and Waimanalo Beach Park. Specific safety and operational improvements include construction of turning lanes, sidewalks, wheelchair ramps, bike paths or bike lanes, traffic signal upgrades, utility relocation, and drainage improvements.	50
	204	S	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.	116

	<b>Project No.</b>	<b>City / State</b>	<b>Project Title</b>	<b>Description</b>	<b>Cost \$Millions</b>
<b>Mid-Range Projects - 2019 to 2029</b>	205	C	Farrington Highway (Route 7110), Widening, Golf Course Road to west of Fort Weaver Road	Widen Farrington Highway from two to four lanes, from Golf Course Road to just west of Fort Weaver Road.	100
	206	S	Kualaka'i Parkway (Route 8930), Extension, Interstate Route H-1 to Franklin D Roosevelt Avenue	Extend Kualaka'i Parkway from Kapolei Parkway to Franklin D Roosevelt Avenue	20
	207	S	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.	300
	208	S	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.	90
	209	C	Salt Lake Boulevard Widening Project	Widen Salt Lake Boulevard from two to six lanes, between Maluna Street and Ala Lilikoi Street.	80
	210	C	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.	76

	<b>Project No.</b>	<b>City / State</b>	<b>Project Title</b>	<b>Description</b>	<b>Cost \$Millions</b>
<b>Mid-Range Projects - 2019 to 2029</b>	211	S	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.	103
	<b>Developer Funded Modernization Project(s)</b>				
	301	S	Hanua Street Extension, Farrington Highway to Malakole Street; Interstate Route H-1, New On- & Off-Ramps, Palailai Interchange	<p>Hanua Street:</p> <ul style="list-style-type: none"> <li>• Extend Hanua Street from Malakole Street to Farrington Highway. This new four-lane roadway will provide access to Kalaeloa Harbor.</li> </ul> <p>Interstate Route H-1, Palailai Interchange:</p> <ul style="list-style-type: none"> <li>• Construct new on- and off-ramps at Interstate Route H-1 Palailai Interchange to Hanua Street extension.</li> </ul>	130
	302	C	Kalaeloa Boulevard, Reconstruction and Widening; Lauwiliwili Street to Olai Street	Improve and reconstruct Kalaeloa Boulevard between Lauwiliwili Street and Olai Street.	32
	303	C	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.	48
	304	S	Kualaka'i Parkway (Route 8930), Widening, Interstate Route H-1 to Franklin D Roosevelt Avenue	<p>Widen and extend Kualaka'i Parkway as follows:</p> <ul style="list-style-type: none"> <li>• From three to six lanes from Kapolei Parkway to Interstate Route H-1</li> <li>• Extend from Kapolei Parkway to Franklin D Roosevelt Avenue (six lanes)</li> </ul>	180
	305	S (non-HDOT)	Keoneula Boulevard, Extension, Kapolei Parkway to Franklin D. Roosevelt Avenue	Extend Keoneula Boulevard from Kapolei Parkway to Franklin D. Roosevelt Avenue.	227

	<b>Project No.</b>	<b>City / State</b>	<b>Project Title</b>	<b>Description</b>	<b>Cost \$Millions</b>	
<b>Mid-Range Projects - 2019 to 2029</b>	306	S	Interstate Route H-1, Widening, Waiawa Interchange	Widen the Interstate Route H-1 by one lane, in each direction, through the Waiawa Interchange. This project will begin in the vicinity of the Waiawa Interchange and end at the Paiwa Interchange.	50	
	307	S	Interstate Route H-2, Widening, Waipio Interchange	Widen both on- and off-ramps on Interstate Route H-2, at the Waipio Interchange. This project includes the widening of the Ka Uka Boulevard overpass and intersection improvements to facilitate movement to and from the on- and off-ramps.	33	
	308	S	Interstate Route H-2, New Interchange, Pineapple Road Overpass	Construct a new full-service freeway interchange on Interstate Route H-2, between Meheula Parkway and Ka Uka Boulevard, to accommodate future developments in Central Oahu. This project includes the widening of the existing Pineapple Road Overpass from two lanes to four lanes; and addition of new on- and off-ramps to and from Interstate Route H-2 at Pineapple Road Overpass.	111	
	<b>Safety Project(s)</b>					
	401	S	Highway Safety Improvement Program	Comprehensive program to fund safety improvements to reduce collisions and damage to property. Strategies may include installation of left turn lanes, roadway widenings, traffic signal modifications, installation of rumble strips and crash attenuators, installation of guardrails and bridge railings, and others.	105	
	<b>System Preservation Project(s)</b>					
	501	S	Rockfall Protection, Various Locations	Install rockfall protection or mitigation measures along various State highways at various locations.	50	

	<b>Project No.</b>	<b>City / State</b>	<b>Project Title</b>	<b>Description</b>	<b>Cost \$Millions</b>	
<b>Mid-Range Projects - 2019 to 2029</b>	502	S	Shoreline protection program	Protect shoreline along Kamehameha Highway and other locations.	20	
	504	C	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.	537.1	
	505	S	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.	343	
	506	S	System Preservation	Preserve the highway system through projects including, but not limited to, bridge replacement/rehabilitation and seismic retrofit, guardrail and shoulder improvements, lighting improvements, drainage improvements, sign upgrades and replacement, traffic signal upgrade and retrofit, etc.	60	
	<b>Transit Project(s)</b>					
	601	C	Human Services Transportation Coordination Program	Provide a range of transportation services targeted to disadvantaged populations under the Human Services Transportation Coordination Program.	8.5	

	<b>Project No.</b>	<b>City / State</b>	<b>Project Title</b>	<b>Description</b>	<b>Cost \$Millions</b>
<b>Mid-Range Projects - 2019 to 2029</b>	603	C	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.	10
	604	C	Transit Centers, Various Locations	Construct transit centers at various locations islandwide to support transit operations.	70
	605	C	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.	2900.1
	606	C	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.	75.3

	<b>Project No.</b>	<b>City / State</b>	<b>Project Title</b>	<b>Description</b>	<b>Cost \$Millions</b>
<b>Long-Range Projects - 2030 to 2040</b>	<b>Congestion Mitigation Project(s)</b>				
	51	C/S	Bike Plan Hawaii - Oahu and Oahu Bike Plan	Implement Oahu elements of the State of Hawaii's Bike Plan Hawaii and City and County Bike Projects.	61.5
	52	C/S	Intelligent Transportation Systems (ITS)	Implement ITS projects including, but not limited to, those identified in the Oahu Regional ITS Architecture.	138
	54	C/S	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.	20
	<b>Enhancement Project(s)</b>				
	151	C	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.	12
	<b>Modernization Project(s)</b>				
	251	S	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.	50

	<b>Project No.</b>	<b>City / State</b>	<b>Project Title</b>	<b>Description</b>	<b>Cost \$Millions</b>
<b>Long-Range Projects - 2030 to 2040</b>	<b>Developer Funded Modernization Project(s)</b>				
	351	S	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. To improve congestion and safety operations, contra-flow, intersection improvements, traffic calming, and other improvements may be pursued in the short range.	252
	352	C	Kamokila Boulevard	Extend as four-lane roadway between Roosevelt and Saratoga.	26
	353	C	Fort Barrette Road	Extend as four-lane roadway between Roosevelt and Saratoga.	12
	354	S (non-HDOT)	Kalaeloa East-West Spine Road, New Roadway, Kalaeloa Boulevard to Geiger Road	Construct a new four-lane east-west spine road within Kalaeloa by realigning and connecting portions of the existing Saratoga Avenue from Kalaeloa Boulevard in the west and to Geiger Road in the east.	293
	356	S	Farrington Highway (Routes 7110, 7101, and 99), Widening, west of Fort Weaver Road to Waiawa Interchange	Widen Farrington Highway from Kunia to Waiawa by one lane in each direction, from west of Fort Weaver Road to Waiawa Interchange.	142

	<b>Project No.</b>	<b>City / State</b>	<b>Project Title</b>	<b>Description</b>	<b>Cost \$Millions</b>
<b>Long-Range Projects - 2030 to 2040</b>	<b>Safety Project(s)</b>				
	451	S	Highway Safety Improvement Program	Comprehensive program to fund safety improvements to reduce collisions and damage to property. Strategies may include installation of left turn lanes, roadway widenings, traffic signal modifications, installation of rumble strips and crash attenuators, installation of guardrails and bridge railings ,and others.	105
	<b>System Preservation Project(s)</b>				
	551	S	Rockfall Protection, Various Locations	Install rockfall protection or mitigation measures along various state highways at various locations.	75
	552	S	Shoreline protection program	Kamehameha Highway and other locations.	30
	553	C	City Operations and Maintenance: 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.	800.3
	554	S	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.	704.4

	<b>Project No.</b>	<b>City / State</b>	<b>Project Title</b>	<b>Description</b>	<b>Cost \$Millions</b>
<b>Long-Range Projects - 2030 to 2040</b>	555	S	System Preservation	Preserve the highway system through projects including, but not limited to, bridge replacement/rehabilitation and seismic retrofit, guardrail and shoulder improvements, lighting improvements, drainage improvements, sign upgrades and replacement, traffic signal upgrade and retrofit, etc.	207
	<b>Transit Project(s)</b>				
	651	C	Human Services Transportation Coordination Program	Provide a range of transportation services targeted to disadvantaged populations under the Human Services Transportation Coordination Program.	8.5
	653	C	City Rail Rehabilitation and Fleet Expansion	Provide for rehabilitation of track and expansion of rail fleet.	203
	654	C	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.	848
	655	C	Transit Centers, Various Locations	Construct transit centers at various locations islandwide to support transit operations.	9
656	C	City Operations and Maintenance: 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.	6872.1	

	<b>Project No.</b>	<b>City / State</b>	<b>Project Title</b>	<b>Description</b>	<b>Cost \$Millions</b>
<b>Illustrative Projects</b>	<b>Modernization Project(s)</b>				
	701	S	Interstate Route H-1, On- & Off-Ramp Modifications, Various Locations	Modify and/or close various on- and off- ramps on the Interstate Route H-1.	108
	702	S	Kunia Road (Route 750), Widening and Interchange Improvement, Wilikina Drive to Farrington Highway	Widen Kunia Road as follows: <ul style="list-style-type: none"> <li>• From two to four lanes, from Wilikina Drive to Anonui Street.</li> <li>• From two to four lanes, Anonui Street to Kupuna Loop.</li> <li>• From four to six lanes, Kupuna Loop to Farrington Highway.</li> <li>• Add one lane eastbound loop on-ramp at Kunia Road &amp; Interstate Route H-1.</li> </ul>	348.9
	704	S	Interstate Routes H-1 and H-2, Operational Improvements, Waiawa Interchange	Modify the Interstate Routes H-1 and H-2 Waiawa Interchange, to improve merging characteristics through operational improvements (e.g., additional transition lanes).	112.1
	706	S	Nimitz Highway (Route 92), High Occupancy Vehicle (HOV) Flyover, Keehi Interchange to Pacific Street	Construct a new two-lane elevated and reversible HOV flyover above Nimitz Highway, from the Keehi Interchange to Pacific Street. This project includes the removal of the existing eastbound contraflow lane in the AM peak and restoration of all turning movements on the at-grade portion of Nimitz highway.	537.5
	708	S	Waianae, Second Access, Farrington Highway to Kunia Road	Construct a new two-lane second access road to Waianae from Farrington Highway in the vicinity of Maili, over the Waianae Mountain Range, to Kunia Road. Requires Kunia Road, Widening and Interchange Improvement, Wilikina Drive to Farrington Highway to ensure benefit.	1269

	<b>Project No.</b>	<b>City / State</b>	<b>Project Title</b>	<b>Description</b>	<b>Cost \$Millions</b>
<b>Illustrative Projects</b>	709	S	Makakilo Mauka Frontage Road, New Roadway, Kalaeloa Boulevard to Makakilo Drive	Construct a new two-lane Makakilo Mauka Frontage Road, mauka of Interstate Route H-1, from Kalaeloa Boulevard to Makakilo Drive.	18.2
	<b>Transit Project(s)</b>				
	751	C	Fixed Guideway, Kapolei	Plan, design, and construct a fixed guideway system between West Kapolei to East Kapolei	1862
	752	C	Fixed Guideway, Ala Moana to UH Manoa and Waikiki	Plan, design, and construct a fixed guideway system between Ala Moana and UH Manoa and Waikiki	1712
	753	C	Fixed Guideway, Ewa Beach	Plan, design, and construct a fixed guideway system / corridor from Ewa Beach to the West Loch Station in Waipahu along Fort Weaver Road.	1858
	754	C	Fixed Guideway, Central Oahu	Plan, design, and construct a fixed guideway system / corridor between Pearl Highlands and Central Oahu	1858
	755	C	Fixed Guideway, Salt Lake	Plan, design, and construct a fixed guideway system / corridor from Aloha Stadium to Middle Street via Salt Lake Boulevard, Pukoloa Street, and along the Moanalua Stream.	1807
	756	C	At-grade Transit System, Kakaako	Plan, design, and construct an at-grade transit system / corridor from Downtown to Ala Moana via Kakaako.	195

	<b>Project No.</b>	<b>City / State</b>	<b>Project Title</b>	<b>Description</b>	<b>Cost \$Millions</b>
<b>Short-Range Projects - 2011 to 2018</b>	<b>Existing and Committed Project(s)</b>				
	801	C	Kapolei Parkway, Extension, Kamokila Boulevard to Kamaaha Avenue	Complete the extension of the existing four-lane Kapolei Parkway	13.3
	802	S	Interstate Route H-1, Add WB Lane	Adds WB Standard Lane from Moanalua to the Interstate Routes H-1/H-2 Merge	-
	803	C	Kamokila, New Roadway	New Location from Kapolei to Franklin D Roosevelt Avenue	1.35
	804	C	Kapiolani Blvd Contraflow	Contraflow from S King to South St	0.077
	805	C	Waialae Ave Contraflow Removal	Remove Contraflow from Kapahulu to 8th Ave	0
	806	C	Ward Ave Contraflow	Contraflow from Lunalilo to S King St	0.077
	851	C	Joint Traffic Management Center	Constructing a transportation management center behind the Alapai Transit Center will combine transportation management with City, State, and emergency response agencies.	68.9
	852	C	Honolulu Rail Transit Project	Plan, design, and construct a fixed guideway system between East Kapolei and Ala Moana Center. This project includes intermodal connections with TheBus system to provide feeder services to fixed guideway stations.	5532.5
	853	S	Fort Weaver Rd (Route 76) Widening	Adds SB Lane from Interstate Route H-1 to Laulaunui St	-

	<b>Project No.</b>	<b>City / State</b>	<b>Project Title</b>	<b>Description</b>	<b>Cost \$Millions</b>
<b>Short-Range Projects - 2011 to 2018</b>	854	S	Interstate Route H-1 EB, Vineyard On-Ramp, Lusitana St Connection	Add Right turn only lane from Lusitana Street onto the Vineyard Boulevard On-Ramp to Interstate Route H-1 in the EB direction	5
	855	S	Interstate Route H-1 Freeway Widening	Add lane in both directions from Middle Street to Punahou St	-
	856	S	Interstate Route H-1, Add WB Shoulder Lane in PM	Adds WB Shoulder Lane in PM from Halawa to Moanalua	-
	857	S	Kamehameha Hwy (Route 80) Widening	Adds NB Lane from Interstate Route H-2 to California Avenue	-
	858	C	King St. Bike Track	Add bike lane and remove vehicle lane from Alapai to Isenberg St	0.5
	859	S	Moanalua/Kamehameha Off-Ramp	New Capacity on ramp from Interstate Route H-201 to Honomanu	-

*- Cost was funded from multiple sources and an estimate is not available.*