



Oahu Regional Transportation Plan 2050

Performance Measures

Goal	Objective	Performance Measure	Source of Data
Goal 1: Reduce serious injuries and traffic deaths to zero	1.1 Prioritize safety in the planning, design, and selection of projects	Number of fatalities (F)	State of Hawaii Department of Transportation
		Number of serious injuries (F)	
		Rate of fatalities (F)	
		Rate of serious injuries (F)	
		Number of non-motorized fatalities (F)	
		Number of non-motorized serious injuries (F)	
	1.2 Reduce Dangerous Driving Behaviors	Percent of crashes involving impaired driving	National Highway Traffic Safety Administration (Fatality Analysis Reporting) and the State of Hawaii Advanced Crash Analysis (SHACA) crash reporting system
		Percent of crashes involving speeding	
		Percent of crashes involving reckless driving	
		Percent of crashes involving distracted driving	
	1.3 Implement safety plans for transit	Number of fatalities by transit mode (F)	City and County of Honolulu Department of Transportation Services
		Rate of fatalities by transit mode per 100,000 Vehicle Revenue Miles (F)	City and County of Honolulu Department of Transportation Services
		Number of injuries by transit mode (F)	
		Rate of injuries by transit mode per 100,000 Vehicle Revenue Miles (F)	
		Number of safety events by transit mode (F)	
		Rate of safety events by transit mode per 100,000 Vehicle Revenue Miles (F)	



Goal	Objective	Performance Measure	Source of Data
Goal 2: Enhance the transportation network to increase active and public transportation	2.1 Increase the number of people who walk and bike	Percent of people who walk or bike to work	United States Census – American Community Survey
		Percent of teens that walk, bike, or wheelchair to school	Hawaii Health Matters
		Monthly average bike and pedestrian counts	City and County of Honolulu – Department of Transportation Services
	2.2 Increase the number of people who utilize transit.	Transit ridership per capita	City and County of Honolulu – Department of Transportation Services
		Percent of people who live within a 10-minute walk to a rail station	OahuMPO Traffic Analysis Zones (TAZ's) and State of Hawaii GIS Program (bus stop and rail station locations)
		Percent of people who work within a 10-minute walk to a rail station	
		Percent of people who live within a 5-minute walk to a bus stop	
		Percent of people who work within a 5-minute walk a bus stop	
	2.3 Reduce the percentage of people driving alone	Percent of people driving to alone to work	United States Census – American Community Survey
Goal 3: Provide an equitable and affordable transportation system	3.1 Invest in Title VI and Environmental Justice Areas	Per capita project expenditures spent on transit or active transportation in Title VI/Environmental Justice Areas.	OahuMPO Oahu Regional Transportation Plan 2050
	3.2 Provide transit access to assist in reducing household transportation costs.	Share of housing and transportation costs as a percentage of income (County)	Center for Neighborhood Technology (CNT) - Housing and Transportation Index
		Percent of households living in areas lacking housing and transportation affordability	



Goal	Objective	Performance Measure	Source of Data
Goal 4: Adapt Oahu's transportation network to be resilient to the effects of climate change	4.1 Address the vulnerability of Oahu's surface transportation facilities caused by sea level rise	Miles of Sea Level Rise Potential Flooded highways under 3.2-foot scenario	State of Hawaii GIS Program - SLR Potential Flooded Highways
	4.2 Provide redundant emergency access, especially in singular access communities.	Percent of population lacking redundant emergency vehicular access/egress	OahuMPO
Goal 5: Invest in maintenance to preserve transportation facilities	5.1 Ensure roadways and bridges are in good condition.	Percent of Interstate pavement lane miles in good condition (F)	City and County of Honolulu – Department of Transportation Services
		Percent of Interstate pavement lane miles in poor condition (F)	
		Percent of non-Interstate NHS pavement lane miles in good condition (F)	
		Percent of non-Interstate NHS pavement lane miles in poor condition (F)	
		Percent of NHS bridges in good condition (F)	
		Percent of NHS bridges in poor condition (F)	
	5.2 Ensure transit vehicles and facilities are in good condition.	Percent of transit revenue vehicles that have met or exceeded their useful life benchmark (ULB) (F)	
		Percent of transit non-revenue, support-service, and maintenance vehicles that have met or exceeded their useful life benchmark (ULB) (F)	
		Percent of transit facilities rated below condition 3 on the Transit Economic Requirements Model (TERM) scale (F)	
		Percent of (transit) inspections completed on time	



Goal	Objective	Performance Measure	Source of Data
Goal 6: Integrate land use and transportation planning to provide a reliable and efficient multimodal transportation system	6.1 Improve coordination between land use and transportation.	Percent of population living in transit-oriented development zones	OahuMPO Traffic Analysis Zones (TAZ's) and State of Hawaii GIS Program (TOD Zones)
		Percent of population working in transit-oriented development zones	
	6.2 Improve transit reliability	Percent of transit trips (completed) on time	City and County of Honolulu – Department of Transportation Services
		Mean distance between major mechanical failures (vehicle-revenue miles/failures) (F)	
	6.3 Improve the reliability and efficiency of highways and freight networks.	Percent of Persons-Miles Travelled on the Interstate that are reliable (F)	Highway Performance Monitoring System
		Truck Travel Time Reliability (TTTR) on the Interstate System (F)	
		Percent of Persons-Miles Travelled on the Non-Interstate NHS that are reliable (F)	
Goal 7: Achieve state and county commitments to the environment, health, and culture in the development, maintenance, and operation of the transportation system	7.1 Reduce greenhouse gas emissions from surface transportation.	Percent of City transit fleet that is zero-emission vehicles	City and County of Honolulu – Department of Transportation Services
		Percent of registered vehicles that are electric	State of Hawaii Department of Business, Economic Development and Tourism
		Percent change in tailpipe carbon dioxide (CO2) emissions on the National Highway System (NHS) compared to the reference year of calendar year 2022 (F)	State of Hawaii Department of Transportation
	7.2 Support active living by increasing mileage of sidewalks and bike facilities	Miles of bikeways (bike lanes, protected bike lanes, and shared use paths)	City and County of Honolulu Department of Transportation Services and State of Hawaii Department of Transportation
		Miles of walkways	

****Note: (F) indicates a federally required performance measure**