

QUANTIFICATION: can at least one associated specific indicator be quantified?

MONETIZATION: can at least one associated specific indicator be monetized?

Yellow highlighted squares relate to the goal areas in the OTP

CATEGORIES	DESCRIPTION	PRELIMINARY GENERAL INDICATORS (OUTCOME BASED)	Quantification	Monetization*		Common Data Sources		
				Yes/Some Evidence	No			
Mobility	Does the plan or project help reduce travel costs and improve travel time reliability? Travel cost includes both out-of-pocket expenses and time spent in travel. Reliability includes the extent to which travelers can count on the time their trip will take being consistent from day to day.	Travel time	Yes	X		Regional Travel Model		
		Travel time reliability	Yes	X		Regional Travel Model		
		Delay	Yes	X		Regional Travel Model		
		Travel distance	Yes		X	Regional Travel Model		
		Vehicle operating and ownership costs	Yes	X		Oregon Department of Motor Vehicles		
		Out of pocket costs	Yes	X		Oregon Department of Energy; Oregon Department of Justice (for average gas price information)		
		Modal availability	No			Local Jurisdiction GIS layers (miles of bikeways, sidewalks, etc)		
		Option values	Yes	X		Based on average wages		
		Changes in access/ access management/ severance	Yes	X		ODOT Right of way data		
		Parking supply and regulations	Yes		X	Local Transportation Department		
Accessibility	Does the plan or project facilitate the ease with which travelers can reach or use modes transportation. Does the plan or project ease access to opportunities and destinations that give rise to the need for travel.	Connectivity/ease of connections	Yes		X	GIS		
		Change in employment	Yes	X		Local MPO or COG; Oregon Employment Department; Oregon Office of Economic Analysis; Oregon Regional Economic Analysis Project		
		Public accounts	Yes	X		Local Government Management & Finance Office		
		Lifecycle cost	Yes	X		Varied, depending on cost elements		
		Gross regional product	Yes	X		MPO Management & Finance Office		
		Change in personal income	Yes	X		Oregon Regional Economic Analysis Project		
		Business productivity from increased competition	Yes	X		Input-output tables by county		
		Displacements	Yes	X		County tax assessor data		
		Business productivity from proximity	Yes	X		Input-output tables by county		
		Revitalization	Yes	X		Local Government Development Commission		
Economic Sustainability	Does the plan or project contribute to the economic prosperity of Oregon (i.e., growth in employment, production or other high value economic activity)?	Business productivity from lower transportation costs	Yes	X		Input-output tables by county		
		Greenhouse gases	Yes	X		Oregon GreenStep Model; local/regional greenhouse gas inventories		
		Local air quality	Yes	X		DEQ Air Quality; Regional Travel Model & EPA MOBILE and CAL3QHC Models		
		Water quality and quantity	Yes	X		DEQ Water Quality; Oregon Water Resources Department		
		Agriculture and natural resource lands	Yes	X		US Department of Agriculture; Natural Resources Conservation Services (Soil Maps)		
		Biodiversity	Yes	X		Oregon Department of Fish and Wildlife; US Fish and Wildlife Services (Species lists); Oregon Natural Heritage and Information Center		
		Wildlife/habitat impacted	Yes	X		Oregon Department of Fish and Wildlife; US Fish and Wildlife Services (Species lists); Oregon Natural Heritage and Information Center		
		Geologic resources	Yes		X	Oregon Department of Geology and Mineral Resources; USGS National Earthquake Information Center		
		Noise	Yes	X		EPA Community Noise Report (1971); FHWA's Traffic Noise Model (TNM)		
		Visual quality/aesthetics	Yes	X		Local Planning Department (Scenic Resource Zoned Lands, Designated Viewshed corridors)		
Environmental Sustainability	Does the plan or project help provide a transportation system that meets present needs without compromising the ability of future generations to meet their needs from the perspective of ecological and social objectives?	Heritage	No		X	Oregon State Historic Preservation Office; Oregon Historic Parks and Recreation Department; US Department of the Interior National Register of Historic Places		
		Cultural resources	No		X	Oregon State Historic Preservation Office; Local Community Development Department; Local School District		
		Highway	Yes	X		ODOT Crash Analysis Unit		
		Bicycle	Yes	X		ODOT Crash Analysis Unit		
		Pedestrian	Yes	X		ODOT Crash Analysis Unit		
		Transit	Yes	X		ODOT Crash Analysis Unit		
		Aviation	Yes	X		Local Airport		
		Freight Rail	Yes	X		ODOT Crash Analysis Unit		
		Safety and Security	Does the plan or project improve the safety of transportation facilities and systems? Does it help improve security at existing or planned transportation facilities?	Heritage	No		X	Oregon State Historic Preservation Office; Oregon Historic Parks and Recreation Department; US Department of the Interior National Register of Historic Places
				Cultural resources	No		X	Oregon State Historic Preservation Office; Local Community Development Department; Local School District
Highway	Yes			X		ODOT Crash Analysis Unit		
Bicycle	Yes			X		ODOT Crash Analysis Unit		
Pedestrian	Yes			X		ODOT Crash Analysis Unit		
Transit	Yes			X		ODOT Crash Analysis Unit		
Aviation	Yes			X		Local Airport		
Freight Rail	Yes			X		ODOT Crash Analysis Unit		

		(OUTCOME BASED)		Yes/Some Evidence	No	
Funding the Transportation System / Finance	Subjective sense of personal safety	No			X	Local Departments of Transportation; Local Transit Authority; Local Airport; Railroads, etc
	Updated safety and security plans	Yes		X		State and local finance data
	Fiscal balance	Yes		X		State and local finance data
	Public-private balance	Yes		X		ODOT or local public works data
	Life-cycle operating costs	Yes		X		ODOT or local public works data
	Life-cycle maintenance costs	Yes		X		National Transit Database; ODOT; MPO or Local/Regional Transportation Department
	Capital costs	Yes		X		National Transit Database; ODOT; MPO or Local/Regional Transportation Department
	Operating revenues	Yes		X		National Transit Database; Local Transit Authority; ODOT; Local/Regional Transportation Department
	Amount of land developed	Yes		X		MPO or COG; Local Planning Department
	Population density	Yes		X		PSU Population Research Center, Local Planning Department
Land Use and Growth Management	Employment density and location	Yes		X		Local MPO or COG; Oregon Employment Department; Oregon Office of Economic Analysis; Oregon Regional Economic Analysis Project
	Land value	Yes		X		County Tax Assessor Office
	Physical activity	Yes		X		Oregon Public Health Division
	Obesity and health	Yes		X		Oregon Public Health Division
	Journey ambiance/ travel conditions	Yes		X		published academic research
	Open space	Yes		X		Local Parks and Recreation Department
	Ability to meet travel needs efficiently	Yes		X		MPO and Local Gov Transportation and Land Use Planning Departments (number of needs that can be met within a given distance or travel time)
	Distribution of benefits/costs by geography	Yes		X		US Census Bureau, American Community Survey
	Distribution of benefits/cost by population group	Yes		X		US Census Bureau; American Community Survey; Oregon Department of Education (school info on free and reduced lunch program); Local Housing Authorities; Oregon Dept of Human Services
	Quality of Life and Livability	Does the plan or project help foster efficient development patterns that optimize travel, housing, employment, and infrastructure spending decisions?	Yes		X	
Yes				X		
Yes				X		
Yes				X		
Yes				X		
Yes				X		
Yes				X		
Yes				X		
Yes				X		
Yes				X		
Equity	Does the plan or project improve the availability of transportation choices among different geographies and population groups? How are the effects of the plan or project distributed across different geographies and population groups?	Yes		X		
		Yes		X		

* Monetization determinations are in draft form and subject to review