

## Draft Evaluation Framework

This section proposes evaluation criteria that align with the goals and objectives. The performance measures will help the Steering Committee, TAC, PMT and other teams identify and communicate the benefits and costs of proposed improvement scenarios and actions. Measures may be quantitative, where data and information are available, or qualitative based on expected (typical) results of similar actions and familiarity with the study area. The performance measures are not intended to be used to score projects, but to illustrate potential changes or improvements, and planning-level costs of proposed actions. The performance measures can help stakeholders and the public prioritize or phase proposed investments, based on the types of expected improvements.

Goal 1: Create a safe and resilient transportation network for everyone that improves travel opportunities for pedestrians, bicyclists, transit riders, and drivers.

Objective	Measure	Methodology	Data Source
Create an interconnected bicycle network that is safe and gets people where they want to go.	Network connectivity: How well bike lanes connect to destinations and routes	Node analysis	Bicycle network shapefiles Destination nodes Existing housing map data
	Cycling safety	Number of moderate to high risk cycling locations addressed through bike network actions	ODOT crash data Bike network shapefiles
Create an interconnected pedestrian network that includes continuous sidewalks, Safe Routes to School, access for people with disabilities, and lighting	Connected sidewalk network	Percent of streets with full 2-side sidewalks where feasible.	Sidewalk network shapefiles Street network
	Walking comfort and safety	Assess sidewalk quality from high to low, including width, buffers from street, ramps and lighting.	
Support an affordable, safe, and connected transit system that helps people get to jobs, services, and homes, and integrates with first- and last-mile solutions	Transit-supportive land use	Evaluate estimated land use density and proximity to transit stops	Zoning code, transit network and stops, development density thresholds for transit success (best practices)
	First and last mile connections	Feet of continuous sidewalk within ¼ mile of bus stops. Number of bike share programs accessible within study area due to County investment	Transit stops, sidewalks

	Transit access to jobs and education for historically marginalized communities	Connectivity to major facilities within a range of miles (1/4 mile, 1 mile, 5 miles, etc.) and/or jobs and destinations within 40-minute transit travel time.	Census and RTP 2045 Travel Demand Model
Enhance regional and statewide mobility for residents, employees and businesses by reviewing the Sunrise Corridor Final Environmental Impact Statement to identify investments needed to achieve the highway purpose and need.	Operational efficiency	Vehicle Hours Delay (Future AM Peak, Future PM Peak)	Synchro (model) analysis
		Level-of-service at major intersections (Future AM Peak, Future PM Peak)	Synchro (model) analysis
		Volume-to-capacity ratios for select roadways (Future AM Peak, Future PM Peak)	RTP 2045 Travel Demand Model
		Travel times for select zones	RTP 2045 Travel Demand Model
Provide roadways that facilitate the movement of emergency vehicles, goods, and services	Freight Mobility: distribution center accessibility	Freight connectivity to major facilities within a range of mileages (1/4 mile, 1 mile, 5 miles)	Map-based screening
	Freight Mobility: efficiency	Projected travel times for trucks (freight) traveling through the project corridor and to/from the Clackamas Industrial Area along OR 212 to the regional centers of Damascus, Clackamas Town Center, Portland Central Business District, Oregon City, Milwaukie, and Portland International Airport*	RTP 2045 Travel Demand Model

Goal 2: Support the growth of economic development opportunities.

Objective	Measure	Methodology	Data Source
Assess and monitor existing facilities and buildings to determine how to best support changing business and community needs and remove development barriers	Average building age and condition, and additions to commercial and industrial inventory.	Update building information with annual development assessment.	Building assessments, , development applications, CoStar (if applicable).

Create a financially sustainable community where public investment has direct benefits to job opportunities	Job change by industry sector and industrial mix	Summarize year-over-year change in jobs, business count, and employment distribution by industry sector.	Local QCEW employment data (Oregon Employment Department).
Support workforce training opportunities in industries that provide livable wages to improve self-sufficiency of individuals, students, and families	Investment level in workforce training opportunities from public and private sources	Assess planning-level estimates of County investment or partnerships in workforce training	Project or program data
Attract medium-sized businesses that offer livable wages	Average commercial and industrial occupancy rate trend in relation to the region. Growth in real wages in the study area	Calculate/update building occupancy data	Market Data from commercial brokers or CoStar. Wage data from QCEW.

Goal 3: Preserve and enhance local identity, including historical, natural, and cultural assets.

Objective	Measure	Methodology	Data Source
Identify how historical and cultural resources can be honored and shared to enrich the quality of life	Identification of and access to historical and cultural resources and spaces	Quantify and qualitatively assess available resources.	Planned budget allocation
Identify and enhance environmental features and landmarks that promote community identity and create positive connections	Identification of and access to features, landmarks and greenspace	Qualitative assessment of planned projects and sustainability	Qualitative
Identify and develop elements such as landscaping and public art that support local identity and community development	Inventory and access to public art and landscape design	Qualitative assessment of current and planned projects (with current / planned projects)	Qualitative (Quantify existing projects)

Goal 4: Promote complete communities to meet the basic needs of all residents in the community.

Objective	Measure	Methodology	Data Source
Enable a diverse range of housing options, including those already present	Maintenance and expansion of existing housing mix and accessibility	Assess the number of affordable housing units by type (<30% of household income for households <80% area median income) close to recreation, jobs, transit, and education	Map-based screening Qualitative
Use anti-displacement strategies to protect residents and businesses of all types	Number of all homes, affordable housing businesses, jobs displaced (wholly and partially)*	Summarize number of homes, businesses or zoning for these purposes removed due to project changes	Map assessment /GIS
Encourage a full spectrum of employment to help people live and work in the same area, reducing time spent commuting	Share of workers that commute from within 10 miles of the study area	Estimate change in commute trends / mode shift compared to existing	Land use and zoning, Census commute data
Protect and expand spaces for gathering, socializing, and sharing cultural and artistic expression	Public space accessibility	Distances between public spaces and housing communities	Map-based screening
	Community identity	Community identity index, which takes into account dimensions, such as cultural heritage, social cohesion, and community engagement	Qualitative analysis
	Inclusive design availability	Scores of inclusive design principles – ADA accessibility, inclusive wayfinding, code/policy	Qualitative analysis
Promote training and educational opportunities that allow individuals to improve their quality of life	Number, quality, availability, and accessibility of training and educational opportunities	Track opportunities for trade school, community college courses, and other educational and employment training courses and their availability, affordability, and placement statistics	Local course catalogs and program information

Goal 5: Enhance health, well-being, and sustainability.

Objective	Measure	Methodology	Data Source
Reduce exposure to air, water, noise, light and other pollution, especially in and around the Clackamas River Watershed	Air quality	Estimate emissions reductions due to transport mode shift from walking, biking, and transit improvements and programs	Air Quality Index Mode shift based on TDM best practices research
	Air quality	Estimate emissions reductions due to programs to support vehicle electrification (cars, trucks) based on increase in electric vehicle share	Qualitative based on charging stations and other investment types
	Water quality	Determine types of action that will improve water quality and assign qualitative impact ratings	Qualitative based on best practices by action
	Access to quiet spaces and low residential noise levels	Percentage of population living above acceptable noise levels	EPA Noise Levels
Provide healthy and resilient open spaces linking natural environments for people and wildlife	Access to greenspace and existing recreation Impacted streams and wetlands	Quantify parks, trails, and natural resources, and assess number of impacted wetlands or streams	Clackamas County, Oregon Parks and Recreation, North Clackamas County Parks and Recreation District
	Access to tree shade and other natural cooling solutions	Percentage of population living in urban heat islands	US EPA – Measuring Heat Islands data
Promote public health, safe movement, and active lifestyles through infrastructure, open space and programming	Access to movement (safe walking and bicycling, open space [see above])	Quantify percentage of people walking and bicycling	Quantitative/ Qualitative Analysis
	Community wellbeing and health	Quantify percentage of residents living in locations with highest CO2	US Census / American FactFinder Air Quality – US EPA
Protect and enhance access to natural resources that people rely on, including the Clackamas River	See Water Quality measure above		

Goal 6: Create lasting improvements through agency coordination and partnership.

Objective	Measure	Methodology	Data Source
Be clear about which people, organizations, and agencies participated in the project and implementation actions	Quantity and quality of agency strategic relationships and engagement opportunities	Assess whether scenario or actions will improve engagement quantity and/or quality/depth of engagement	Qualitative
Create public-private partnerships to develop and advance coordinated strategies to improve the community			
Build individual and community capacity to work together to implement shared goals and objectives, and leverage resources			
Provide opportunities for every interested person to engage in the community, especially those in historically marginalized populations			
Continue inter-agency coordination to support actions to improve infrastructure for all users	Impacts to existing and planned infrastructure (roadway, utilities, etc.)	Assess impacts as order-of-magnitude impacts (none, low, some, high)	Mapping.