

Transportation Measures Dashboard: Evaluation Criteria

The Dashboard contains a high-level overview of all measures in the report. Measures are organized by category and then subcategory.

The Dashboard uses numbers on a scale from 0 to 4. 0 rates poorly; 4 rates highly. Numbers lying on this scale are converted into empty, half, and full circles. Empty circles rate poorly; full circles rate highly.

Dashboard	
0	○
2	◐
4	●

Evaluation Criteria

Measure Name	Performance Measure Type	Used By F-Federal, S-State, L-Local, O-Other	Relationship with Goal	SMART	Data Collection	Data Continuity	Data Reliability	Cost	Required (F,S,L only)	Existing Tahoe Measure
				Amendable						
Connectivity										
Bicycle/Pedestrian										
Bicycle and Pedestrian Network Connectivity	Action/Activity	R, L	Indirect	●	◐	●	●	◐	○	◐
Percent of Roadways with Adjacent Bicycle/Pedestrian Facilities	Intermediate Output	S	Indirect	●	◐	◐	◐	◐	○	○
Weighted Pedestrian Environmental Factor	Intermediate Output	R, O	Indirect	●	○	○	○	◐	○	○
Emerging Technology										
Number of Parking Spots with Access to Plug-in Electric Vehicle (PEV) Charging	Action/Activity	F, S, O	Indirect	●	◐	◐	◐	●	○	◐
Number of Alternative Fueling Stations	Action/Activity	F, R, O	Indirect	●	●	●	◐	●	○	○
Plug-in Electric Vehicle (PEV) Charging Equipment with ADA Accessibility	Action/Activity	F, O	Indirect	●	◐	◐	◐	●	○	◐
Transit										
Transit Connectivity	Intermediate Output	R, L	Indirect	●	○	○	◐	◐	○	○
Transit Network Completion	Action/Activity	R, O	Indirect	●	◐	◐	◐	◐	○	◐
Transit Ridership	Intermediate Output	S, R, L, O	Indirect	●	●	●	●	●	●	◐
Transit Service Hours	Action/Activity	S, R, L, O	Indirect	●	◐	◐	◐	●	○	◐
Economic Vitality and Quality of Life										
Economic Vitality										
Economic Impacts of Transportation Investments (jobs created)	Outcome	S	Indirect	●	○	○	○	◐	○	○
Economic Impacts of Freight Transportation	Intermediate Output	F, S	Indirect	●	○	○	○	○	○	○
Housing and Transportation (H+T) Index	Intermediate Output	R	Direct	●	●	●	●	○	○	◐
Travel Distance to Work	Intermediate Output	F, R, L	Indirect	●	◐	●	●	●	○	○
Travel Time to Work	Intermediate Output	R, L	Direct	●	◐	●	●	●	○	●
Quality of Life										
Accessibility Score	Intermediate Output	S, R, L	Indirect	●	○	◐	◐	◐	○	○
Population Access to Amenities/Services	Intermediate Output	R, L	Indirect	●	●	◐	◐	◐	○	◐
Transportation-Related Physical Activity	Intermediate Output	R	Indirect	●	○	○	○	◐	○	◐

Evaluation Criteria

Measure Name	Performance Measure Type	Used By F-Federal, S-State, L-Local, O-Other	Relationship with Goal	Evaluation Criteria						
				SMART Amendable	Data Collection	Data Continuity	Data Reliability	Cost	Required (F,S,L only)	Existing Tahoe Measure
Environment										
Air Quality										
Carbon Monoxide	Outcome	F	Direct	●	●	●	●	◐	●	●
Greenhouse Gas Emissions	Intermediate Output	F , R, L	Direct	●	●	●	●	◐	●	●
Nitrogen	Outcome	F , R	Direct	●	●	●	●	◐	●	●
Ozone	Outcome	F , R	Direct	●	●	●	●	◐	●	●
Particulate Matter (PM)	Outcome	F , R	Direct	●	●	●	●	◐	●	●
Per Capita Fuel Consumption	Intermediate Output	L	Indirect	●	○	◐	◐	○	○	○
Transit System Alternative Fuel Usage	Intermediate Output	R	Indirect	●	◐	◐	◐	◐	○	○
Tree Canopy Percentage of Roadways	Intermediate Output	R	Indirect	●	◐	○	◐	◐	○	○
Vehicle Miles Travelled (VMT)	Intermediate Output	S , R , L , O	Indirect	●	◐	●	●	◐	●	●
Visibility	Outcome	F , R	Direct	●	●	●	●	◐	○	●
Noise										
Ambient Noise	Outcome	R	Direct	●	●	●	●	◐	○	●
Single-Event Noise	Outcome	R	Direct	●	●	●	●	◐	○	●
Water Quality										
Miles of Roadway Decommissioned or Retrofitted	Action/Activity	R	Indirect	●	●	●	●	●	●	◐
Miles of Street Sweeping	Action/Activity	R	Indirect	●	●	●	●	●	●	◐
Road Rapid Assessment Methodology (RAM)	Intermediate Output	S, R, L	Direct	●	●	◐	●	◐	●	◐
Best Management Practices Rapid Assessment Methodology (BMP-RAM)	Intermediate Output	L	Direct	●	●	◐	●	◐	●	◐

Evaluation Criteria

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Operations and Congestion Management										
Bicycle/Pedestrian										
Active Transportation Utilization	Intermediate Output	R, L	Indirect	●	○	○	○	○	○	●
Bicycle Facility Capacity	Intermediate Output	R	Indirect	●	●	○	○	○	○	○
Bicycle Level of Service (BLOS)	Intermediate Output	S, R, L, O	Indirect	●	○	○	○	○	○	○
Pedestrian Level of Service (PLOS)	Intermediate Output	S, R, L, O	Indirect	●	○	○	○	○	○	○
Emerging Technology										
Number of Charging Locations with Educational Signage or Information	Action/Activity	L	Indirect	●	○	○	○	●	○	○
Number of Events Providing Electric Vehicle Materials	Action/Activity	L	Indirect	●	○	○	○	●	○	○
Number of Jurisdictions and Utility Companies with Policies Directly Addressing Electric Vehicles in a Supportive Way	Action/Activity	L	Indirect	●	○	○	○	●	○	○
Number of training events on Electric vehicles	Action/Activity	L	Indirect	●	○	○	○	●	○	○
Parking										
Parking Utilization	Intermediate Output	R	Indirect	●	●	●	●	○	○	○
Roadway Congestion Management										
Congestion Index	Intermediate Output	S, R, L, O	Direct	●	○	○	○	○	○	○
Delay	Intermediate Output	S, R, L, O	Direct	●	○	○	○	○	○	○
Roadway Level of Service (LOS)	Intermediate Output	S, R, L	Direct	●	○	●	●	○	○	○
Vehicle Speed	Intermediate Output	R, L	Direct	●	○	●	○	○	○	○
Volume to Capacity Ratio	Intermediate Output	S, R	Direct	●	○	○	○	○	○	○

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				Amendable						
Operations and Congestion Management										
Roadway Operations										
Number of Complete Streets Projects	Action/Activity	S, R	Indirect	●	●	●	●	●	●	○
Traffic Volume	Intermediate Output	R	Indirect	●	●	●	●	●	●	●
Vehicle Hours Travelled	Intermediate Output	S, R	Indirect	●	○	●	○	○	○	○
Vehicle Trips	Intermediate Output	S, R, L, O	Indirect	●	○	○	○	○	○	○
System Operations										
Mode Share	Intermediate Output	S, R, L, O	Direct	●	○	●	●	●	○	○
Multi-Modal Level of Service (MMLoS)	Intermediate Output	S	Direct	●	○	○	○	○	○	○
Person Hours Travelled	Intermediate Output	R	Indirect	●	○	○	○	○	○	○
Person Miles Travelled	Intermediate Output	S, R	Indirect	●	○	○	○	○	○	○
Person Trips	Intermediate Output	R	Indirect	●	○	○	○	○	○	○
Planning Time Index	Intermediate Output	S, R, O	Indirect	●	○	○	○	○	○	○
Travel Time	Intermediate Output	S, R, O	Indirect	●	○	●	●	○	○	○
Travel Time Index	Intermediate Output	S, R, O	Indirect	●	○	●	●	○	○	○
Transit										
Miles of Dedicated Transit Lanes	Intermediate Output	L	Indirect	●	○	●	●	●	○	○
Park and Ride Utilization	Intermediate Output	R	Direct	●	○	○	○	○	○	○
Transit Cost Recovery	Intermediate Output	S, R, O	Direct	●	○	○	○	●	●	○
Transit Level of Service (TLOS)	Intermediate Output	S, R, L, O	Direct	●	●	●	●	○	○	○
Transit On Time Performance	Intermediate Output	S, R, O	Direct	●	●	●	●	●	○	○
Transit Running Time/Headway Consistency	Intermediate Output	L		●	●	●	○	○	○	○
Transit Speed	Intermediate Output	L		●	○	○	○	○	○	○
Transit Vehicle Availability	Intermediate Output	S, O		●	○	○	○	○	●	○

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				Amendable						
Safety										
Discretionary Safety Measures										
Americans with Disabilities (ADA) Planning Measures	Intermediate Output	S, R		●	◐	●	◐	◐	○	○
Cost of Accidents	Intermediate Output	R	Direct	●	◐	◐	◐	○	○	○
Crashes by Mode and by Cause	Intermediate Output	S, R, O	Direct	●	●	●	◐	◐	○	○
Incident Clearance Time	Intermediate Output	R	Indirect	●	◐	●	◐	◐	○	○
Public Satisfaction with Transportation Safety	Intermediate Output	S	Direct	●	◐	◐	◐	○	○	○
Seismic Safety	Intermediate Output	R	Direct	●	◐	◐	◐	◐	○	○
Required Safety Measures										
Fatalities (Number)	Outcome	S, R	Direct	●	●	●	◐	◐	●	◐
Rate of Fatalities per 100 Million VMT	Outcome	S, R	Direct	●	●	●	◐	◐	●	◐
Non-Motorized Fatalities and Serious Injuries	Outcome	S, R, L	Direct	●	●	●	◐	◐	●	◐
Rate of Serious Injuries per 100 Million VMT	Outcome	S, R	Direct	●	●	●	◐	◐	●	◐
Serious Injuries (Number)	Outcome	S, R, L, O	Direct	●	●	●	◐	◐	●	◐
System Preservation										
Roadway										
Bridge Condition	Intermediate Output	S, R, O	Direct	●	◐	○	◐	◐	○	◐
Pavement Condition	Intermediate Output	S, R, O	Direct	●	○	○	◐	◐	○	◐
Roadway Closures	Intermediate Output	O	Direct	●	◐	◐	◐	●	○	○
Transit										
Percentage of Assets in a State of Good Repair	Intermediate Output	F	Indirect	●	◐	●	●	◐	●	○
Percentage of Assets with a Condition Rating Below 3.0 on the FTA TERM scale	Intermediate Output	F	Indirect	●	●	◐	◐	◐	●	○
Percentage of Vehicles Met or Exceeded Useful Life Benchmark	Intermediate Output	F	Indirect	●	◐	●	●	◐	●	○