

Attachment A: Existing Performance Measures Matrix (v2)

Measure	Category	Threshold	Regional Plan	Federal	State	Regional Transportation Plan	Notes
Boardings (Passengers) per Revenue Hour	Connectivity			X		X	MAP-21/FAST Act (23 CFR 450.306(d))
Boardings (Passengers) per Revenue Mile	Connectivity			X		X	MAP-21/FAST Act (23 CFR 450.306(d))
Miles of Bicycle and Pedestrian Facilities Constructed*	Connectivity		X			X	Regional Plan Performance Measure (2013), NDOT Reporting Measure
Non-Auto Mode Share	Connectivity		X			X	Regional Plan Performance Measure (2013)
Number of Complete Streets Projects Implemented	Connectivity				X	X	NDOT Reporting Measure
Passenger Revenue	Connectivity				X	X	NDOT Reporting Measure
Percentage of Overnight Lodging and Recreation Areas with Transit, Bicycle, and Pedestrian Access	Connectivity					X	Lake Tahoe Transportation Model Input
Transit Ridership ("Unlinked Passenger Trips")	Connectivity				X	X	Lake Tahoe Transportation Model Calibration Factor, NDOT Reporting Measure
Transit Vehicles Available at Maximum Service	Connectivity				X	X	NDOT Reporting Measure
Transit Vehicles Operating at Maximum Service	Connectivity				X	X	NDOT Reporting Measure
Annual Bicycle and Pedestrian Highest Activity Locations	Connectivity					X	Indicates usage of the active transportation network
Average Hourly Count Volumes by Active Transportation Facility Type	Connectivity					X	Indicates usage of the active transportation network

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Average Hourly, Daily, Weekly, and Monthly Count Volumes for Specific Bicycle and Pedestrian Facilities	Connectivity					X	Indicates usage of the active transportation network
Seasonal Variation in Active Transportation Facility Usage	Connectivity					X	Indicates usage of the active transportation network
Bicycle and Pedestrian Trail Use (Mid-Week Average Hourly Count Volumes)	Connectivity					X	Indicates usage of the active transportation network
Bicycle and Pedestrian Trail Use (Mid-Week Hourly Count Volumes)	Connectivity					X	Indicates usage of the active transportation network
Bicycle Trail Use Counts (Annual)	Connectivity					X	Indicates usage of the active transportation network
Regional Average Daily Traffic Volumes (AADT)	Connectivity					X	Indicates usage of the roadway network
Regional Peak Month Average Daily Traffic (PMADT)	Connectivity					X	Indicates usage of the roadway network
East Shore Parking Counts (Wednesday, Saturday)	Connectivity					X	Indicates usage of the roadway network
Average Travel Time to Work	Economic Vitality & Quality of Life					X	Lake Tahoe Transportation Model Input
Housing and Transportation (H+T) Affordability Index	Economic Vitality & Quality of Life					X	Indicates effectiveness of Land Use and Transportation Policy implementation.
VMT by Traveler Type (Residents, Visitors, Commuters)	Economic Vitality & Quality of Life					X	Lake Tahoe Transportation Model Input, Informs System Management
1-Hour Carbon Monoxide	Environment	X					Adopted TRPA Threshold Standard
1-Hour Ozone	Environment	X					Adopted TRPA Threshold Standard

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8-Hour Carbon Monoxide	Environment	X					Adopted TRPA Threshold Standard
8-Hour Ozone	Environment	X					Adopted TRPA Threshold Standard
Bliss State Park 50%	Environment	X					Adopted TRPA Threshold Standard
Bliss State Park 90%	Environment	X					Adopted TRPA Threshold Standard
Odor	Environment	X					Adopted TRPA Threshold Standard
Oxides Of Nitrogen	Environment	X					Adopted TRPA Threshold Standard
Ozone 3-Year Average	Environment	X					Adopted TRPA Threshold Standard
Ozone Annual Concentration	Environment	X					Adopted TRPA Threshold Standard
Ozone Highest One-Hour Concentration	Environment	X					Adopted TRPA Threshold Standard
Pm10 24-Hour	Environment	X					Adopted TRPA Threshold Standard
PM10 Annual Average	Environment	X					Adopted TRPA Threshold Standard
Pm2.5 24-Hour	Environment	X					Adopted TRPA Threshold Standard
Pm2.5 Annual Average	Environment	X					Adopted TRPA Threshold Standard

Measure	Category	Threshold	Regional Plan	Federal	State	Regional Transportation Plan	Notes
Regional Daily Vehicle Miles Traveled (VMT)	Environment	X	X	X	X	X	Federal requirement for MPO Reporting in RTPs, SB 375, SB 743, Adopted TRPA Threshold Standard
Sub-Regional Visibility visibility South Lake 50%	Environment	X					Adopted TRPA Threshold Standard
Sub-Regional Visibility South Lake 90%	Environment	X					Adopted TRPA Threshold Standard
U.S. Highway 50 at Park Ave., President's Weekend Traffic Volumes	Environment	X				X	Adopted TRPA Threshold Standard
Greenhouse Gas Emissions per Capita	Environment				X	X	SB 375, SB 743
Aircraft Noise Departure/Arrival (8Am To 8Pm)	Environment	X					Adopted TRPA Threshold Standard
Aircraft Noise Departure/Arrival (8Pm To 8Am)	Environment	X					Adopted TRPA Threshold Standard
Miles of Roadway Treated	Environment		X			X	TMDL Reporting Measure
Miles of Street Sweeping	Environment		X			X	TMDL Reporting Measure
Motor Vehicles Greater Than 6,000 Gvw For Speeds Greater Than 35 Mph	Environment	X					Adopted TRPA Threshold Standard
Motor Vehicles Greater Than 6,000 Gvw For Speeds Less Than 35 Mph	Environment	X					Adopted TRPA Threshold Standard
Motor Vehicles Less Than 6,000 Gvw For Speeds Greater Than 35 Mph	Environment	X					Adopted TRPA Threshold Standard

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Motor Vehicles Less Than 6,000 GvW For Speeds Less Than 35 Mph	Environment	X					Adopted TRPA Threshold Standard
Motorcycles For Speeds Greater Than 35 Mph	Environment	X					Adopted TRPA Threshold Standard
Motorcycles For Speeds Less Than 35 Mph	Environment	X					Adopted TRPA Threshold Standard
Nitrate Deposition	Environment	X					Adopted TRPA Threshold Standard
Noise - South Lake Tahoe Airport Transportation Corridor	Environment	X					Adopted TRPA Threshold Standard
Noise - State Route 28 Transportation Corridor	Environment	X					Adopted TRPA Threshold Standard
Noise - Highway 50 Transportation Corridor	Environment	X					Adopted TRPA Threshold Standard
Noise - State Route 89 Transportation Corridor	Environment	X					Adopted TRPA Threshold Standard
Noise - State Route 207 Transportation Corridor	Environment	X					Adopted TRPA Threshold Standard
Noise - State Route 267 Transportation Corridor	Environment	X					Adopted TRPA Threshold Standard
Noise - State Route 431 Transportation Corridor	Environment	X					Adopted TRPA Threshold Standard
Regional Daily Vehicle Miles Traveled (VMT) per Capita, Excluding Through Trips	Environment		X			X	Regional Plan Performance Measure (2013)
Cost per Passenger	Operations & Congestion Management				X	X	NDOT Reporting Measure
Transit Cost per Revenue Hour	Operations & Congestion Management			X		X	MAP-21/FAST Act (23 CFR 450.306(d)), NDOT Reporting Measure

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Transit Cost per Revenue Mile	Operations & Congestion Management			X	X	X	MAP-21/FAST Act (23 CFR 450.306(d)), NDOT Reporting Measure
Transit Farebox Recovery Rate	Operations & Congestion Management			X		X	MAP-21/FAST Act (23 CFR 450.306(d)), NDOT Reporting Measure
Roadway Segment Level of service (LOS)	Operations & Congestion Management		X				Regional Plan Standard, Used as a threshold of significance for environmental review
Intersection Level of service (LOS)	Operations & Congestion Management		X				Regional Plan Standard, Used as a threshold of significance for environmental review
Number of Fatalities	Safety			X		X	MAP-21/FAST Act (23 CFR 450.306(d))
Number of Non-Motorized Fatalities and Serious Injuries	Safety			X		X	MAP-21/FAST Act (23 CFR 450.306(d))
Number of Serious Injuries	Safety			X		X	MAP-21/FAST Act (23 CFR 450.306(d))
Rate of Fatalities (per 100 million VMT)	Safety			X		X	MAP-21/FAST Act (23 CFR 450.306(d))
Rate of Serious Injuries (per 100 million VMT)	Safety			X		X	MAP-21/FAST Act (23 CFR 450.306(d))
Percent of Bridges in Good Condition	System Preservation			X		X	MAP-21/FAST Act (23 CFR 450.306(d))
Percent of Pavement in Good Condition	System Preservation			X		X	MAP-21/FAST Act (23 CFR 450.306(d))