


FEDERAL PERFORMANCE MEASURES

Impacts on RVMPO

October 2018

AREAS OF CONCERN

- Pavement condition on the Interstate System and on remainder of the National Highway System (NHS)
- Performance of the Interstate System and the remainder of the NHS
- Bridge condition on the NHS
- Fatalities and serious injuries—both number and rate per vehicle mile traveled--on all public roads
- ~~Traffic congestion~~
- On-road mobile source emissions (through CMAQ)
- Freight movement on the Interstate System, and
- Transit 

FATALITIES AND SERIOUS INJURIES

- MRMPO has adopted the State's Targets

Statewide Targets					
Base Period	Fatalities (People 2011-2015)	Fatality Rate (People per 100 million VMT 2011 - 2015)	Serious Injury (People 2010-2014)	Serious Injury Rate (People per 100 million VMT 2010-2014)	Nonmotorized Fatalities and Serious Injuries (People 2010-2014)
Baseline	357	1.04	1,491	4.42	234
2013-2017	357	0.94	1,491	4.42	234
2014-2018*	350	0.89	1,461	4.33	229
2015-2019	343	0.83	1,432	4.24	225
2016-2020	328	0.78	1,368	4.06	215
2017-2021	306	0.73	1,274	3.78	200

Medford Urbanized Area					
Base Period	Fatalities (5-yr Avg.)	Fatality Rate per million miles VMT	Serious Injuries 5-yr. avg.	Serious Injury Rate per 100 million miles VMT	Non-motorized fatalities and Serious Injuries (People 2010-2014)
Baseline	6.2	0.58	47.6	4.54	7.6

PAVEMENT CONDITION

- Recommend Adoption of State's Targets

Table 1: FHWA Performance Management Areas, Measures, and Targets.

Pavement Condition	
Performance Measure	2022 Performance Target
1. Percentage of pavements of Interstate System in Good condition	35%
2. Percentage of pavements of the Interstate System in Poor condition	0.5%
3. Percentage of pavements of the non-Interstate NHS in Good condition	<u>2-Year</u> 50% <u>4-Year</u> 50%
4. Percentage of pavements of the non-Interstate NHS in Poor condition	<u>2-Year</u> 10% <u>4-Year</u> 10%

BRIDGE CONDITION AND REPAIR

- Recommend Adoption of State's Targets

Bridge Condition	
Performance Measure	2022 Performance Target
5. Percentage of NHS bridges classified as in Good condition	10%
6. Percentage of NHS bridges classified as in Poor condition	3%

NATIONAL HIGHWAY SYSTEM PERFORMANCE

- Recommend RVMPO Develop Own Targets

National Highway System Performance	
Performance Measure	2022 Performance Target
7. Percent of the person-miles traveled on the Interstate that are reliable (Interstate Travel Time Reliability measure)	78%
8. Percent of person-miles traveled on the non-Interstate NHS that are reliable (Non-Interstate Travel Time Reliability measure)	78%

TPAU Calculations

	LOTTR - Interstate	LOTTR – Non-Interstate	TTTR
Statewide	80.9%	83.7%	1.36
AAMPO	100%	97.8%	1.22
BMPO	N/A	87.2%	N/A
CAMPO	N/A	89.3%	N/A
LCOG	98.7%	90.4%	1.25
METRO	46.3%	70.9%	2.95
MRMPO	100%	67.7%	1.09
RVMPO	100%	74.3%	1.18
SKATS	100%	76.9%	1.08

FREIGHT RELIABILITY

- Recommend Adoption of State's Targets
(Lower is Better)

Freight Movement on Interstate System	
Performance Measure	2022 Performance Target
9. Truck Travel Time Reliability (TTTR) Index (Freight Reliability measure)	1.45

TPAU Calculations

	LOTTR - Interstate	LOTTR – Non-Interstate	TTTR
Statewide	80.9%	83.7%	1.36
AAMPO	100%	97.8%	1.22
BMPO	N/A	87.2%	N/A
CAMPO	N/A	89.3%	N/A
LCOG	98.7%	90.4%	1.25
METRO	46.3%	70.9%	2.95
MRMPO	100%	67.7%	1.09
RVMPO	100%	74.3%	1.18
SKATS	100%	76.9%	1.08

AIR QUALITY ON-ROAD SOURCES

- State Has Provided List of Impacted MPOs

Table 3: MPO Applicability of CMAQ PM On-Road Mobile Source Emissions & CMAQ Performance Plan									
As of 9/5/2017									
MPOs subject to On-Road Mobile Source Emissions Measure	Do the MPA, UZA with population > 1,000,000 and any one of the designated nonattainment or maintenance Area(s) Overlap?	Name of UZA with population > 1,000,000 overlapping with MPA	Name of additional UZA with population > 1,000,000 overlapping with MPA	PM10 87	PM2.5 97	PM2.5 06	PM2.5 12	Ozone 08	CO_71
Central Lane MPO	No			Yes					Yes
Middle Rogue MPO	No			Yes					Yes
Portland Area Comprehensive Transportation Study	Yes - CMAQ Performance Plan Required	Portland, OR							Yes
Rogue Valley MPO	No			Yes					Yes
Salem-Keizer Area Transportation Study	No								Yes

STATE'S CALCULATIONS

- Recommend MRMPO Adopt Own Targets

Table 1: Baseline Emissions Values for 2014-2017 ¹					
	HC (VOC) Emission Reduction (kg/day)	CO Emission Reduction (kg/day)	NOx Emission Reduction (kg/day)	PM-10 Emission Reduction (kg/day)	PM 2.5 Emission Reduction (kg/day) ²
Metro	226.51	3438.62	313.25	-	-
Rogue Valley	-	179.82	-	105.269	-
Middle Rogue	-	0	-	0	-
Rural Cities	-	0	0	415.2	0.45
TOTAL (BASELINE)	226.51	3618.44	313.25	520.469	0.45
2020 2-Year Targets	29.49	584	71.45	363	0.12
2022 4-Year Targets	58.97	1168	142.9	726.4	0.23

TRANSIT

- Paige????

Asset Class	Performance Measure	Target
Equipment	Age	
Rolling Stock	Mileage	
Facilities	Condition	

- State will provide specific information by the end of October/early November

QUESTIONS?