

PERFORMANCE BASED PLANNING & PROGRAMMING

Update on Rulemaking

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TPB Technical Committee
February 3, 2017



PBPP Federal Rulemaking Update

- New Rulemakings
- PBPP Rulemaking Schedule
- PBPP Schedule 2017-2018
- New Performance Measures
 - Pavement and Bridge Condition
 - System Performance (Highway, Freight, CMAQ Program)
 - Transit Safety
- Next Steps



New PBPP Rulemakings

On January 18, 2017, the following final rules were published in the Federal Register.

- 1. National Performance Management Measures; Assessing Pavement and Bridge Condition for the National Highway Performance Program**
- 2. National Performance Management Measures; Assessing Performance of the National Highway System, Freight Movement on the Interstate System, and Congestion Mitigation and Air Quality Improvement Program**
- 3. National Public Transportation Safety Plan**



PBPP Rulemaking Schedule

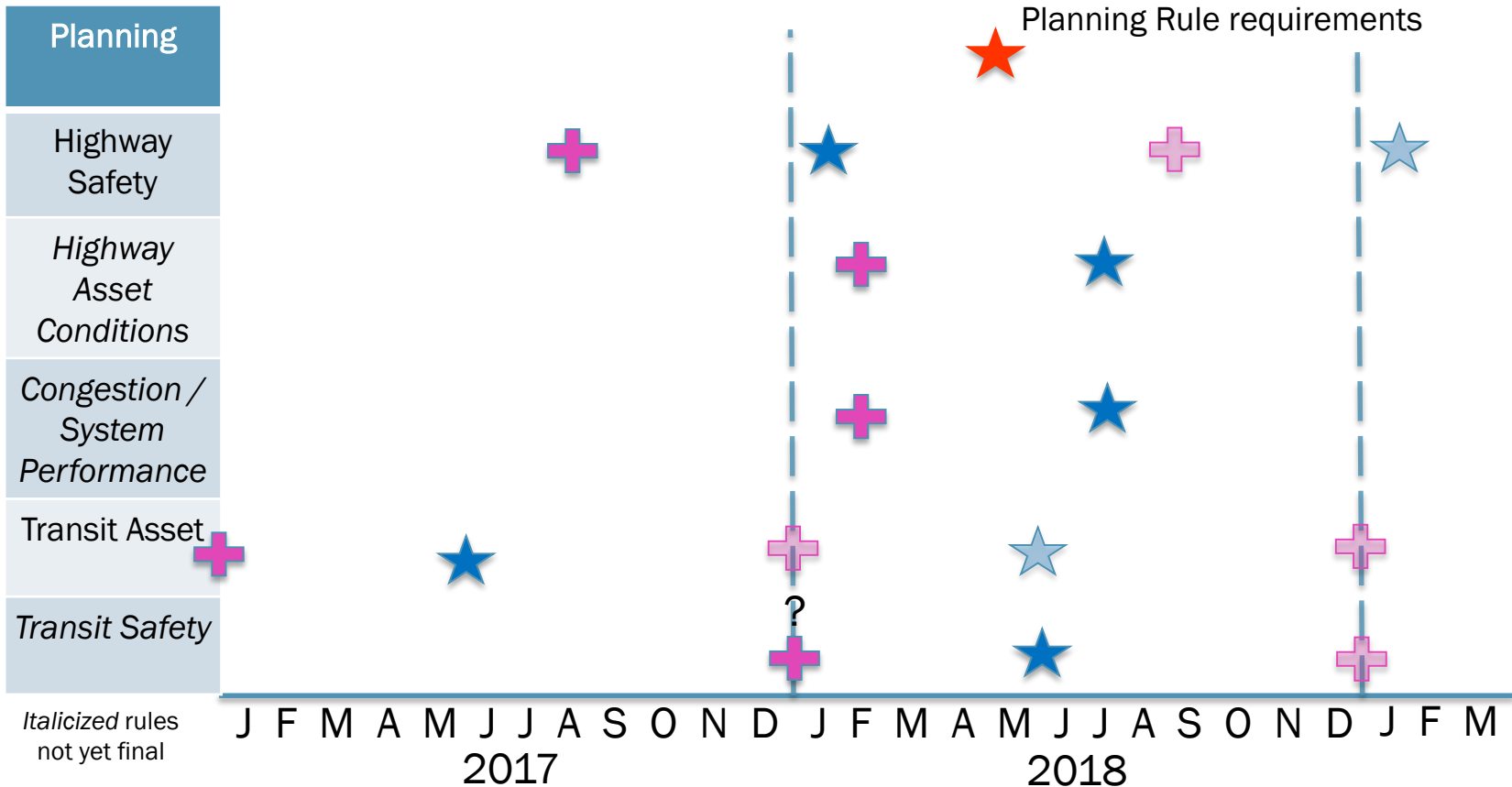
	Planning Rules <i>USDOT Significant Rulemaking Report, October 2016</i> <i>FHWA TPB website Schedule</i>	Proposed Rulemaking	Final Rulemaking
Planning	<ul style="list-style-type: none"> Statewide and Metropolitan and Non-metropolitan Planning 	June 2014	May 2016
Highway Safety	<ul style="list-style-type: none"> Safety Performance Measure Rule Highway Safety Improvement Program (HSIP) 	March 2014	March 2016
Highway Asset Conditions	<ul style="list-style-type: none"> Pavement and Bridges Performance Measurement Asset Management Plan 	January/February 2015	January 18, 2017
Congestion / System Performance	<ul style="list-style-type: none"> System Performance Measures Rule (NHS, Freight and CMAQ) 	April 2016	January 18, 2017
Transit	<ul style="list-style-type: none"> Transit Asset Management National Public Transportation Safety Plan <i>Public Transportation Agency Safety Plan</i> 	September 2015 (Transit Asset) February 2016 (Transit Safety)	July 2016 (Transit Asset) 2017 (Transit Safety)



PBPP Calendar: 2017-2018

 DOT / Transit Agency sets targets (1, 2, or 4 years)

 TPB sets targets (within 180 days)



Pavement and Bridge Condition – Final Rule

Minor changes in final rule:

- **Target setting** - As a multi-state MPO, may choose different target establishment options for the portions of our region in MD, VA, and DC.
- **Pavement Conditions Metrics** – May use Present Serviceability Rating (PSR) as an alternative to rate pavements where the speed limit <40 MPH. IRI (or PSR) will be used to determine overall condition until data collection cycle ending 12/31/2018 on interstates and 12/31/2021 on non-interstate NHS.
- **Missing/Unresolved/Invalid data** - No longer considered Poor condition, instead not to exceed (NTE) 5% of total (interstate & NHS) lane miles
- **Bridge Conditions** - Definition of Structurally Deficient modified so that it equates to the performance measure of bridges classified in poor condition and does not consider metrics beyond the bridge performance measures and physical condition.

Infrastructure (Asset) Condition - Pavement and Bridges

	Performance Measures
Pavement Condition	(1) Percentage of pavements on the Interstate System in Good condition
	(2) Percentage of pavements on the Interstate System in Poor condition
	(3) Percentage of pavements on the NHS (excl. Interstate System) in Good condition
	(4) Percentage of pavements on the NHS (excl. Interstate System) in Poor condition.
Bridge Condition	(5) Percentage of NHS Bridges Classified as in Good Condition
	(6) Percentage of NHS Bridges Classified as in Poor Condition

- Implementing Agency (State DOT, NHS Owners) – set Targets by February 11, 2018
- TPB (MPO) – set Targets by August 10, 2018

System Performance – Final Rule

Significant changes in final rule:

- **Performance Measures:** Removed three measures, added two new measures, changed some metrics:
 - Removed Peak Hour travel time measures and freight congestion measure
 - Added two new performance measures:
 - CO2 Emissions
 - non-SOV Mode Share
 - Changed travel reliability measure denominators from percentage of lane-miles to percentage of person-miles
 - Focus on impacts to people instead of moving vehicles
- **Expanded scope:** Areas over 200K in population will report in future years.

System Performance: Highway and Freight

	Performance Measures
National Highway System	(1) Interstate Travel Time Reliability - Percent of person-miles traveled on the Interstate System that are reliable
	(2) NHS (Non-Interstate) Travel Time Reliability - Percent of person-miles traveled on the non-Interstate NHS that are reliable
	(3) Greenhouse Gas Emissions - Percent Change in Tailpipe CO2 Emissions on the NHS

	Performance Measures
Freight Movement	(4) Freight Reliability - Percent of the Interstate System Mileage providing for Reliable Truck Travel Times

- Implementing Agency (State DOT) – set Targets by February 11, 2018
- TPB (MPO) – set Targets by August 10, 2018



System Performance: CMAQ Program (Congestion Mitigation and Air Quality)

	Performance Measures
CMAQ Program: Traffic Congestion	(5) Peak Hour Excessive Delay – Annual hours of peak hour excessive delay per capita
	(6) Mode Share - Percent of non-SOV Travel on the NHS
CMAQ Program: Emissions Reduction	(7) Emission - CMAQ-funded projects on-road mobile source total emission reductions for each applicable criteria pollutant and precursor

- Implementing Agency (State DOT) – set Targets by February 11, 2018
- TPB (MPO) – set Targets by August 10, 2018

Transit Safety – Final Performance Measures

- The National Public Transportation Safety Plan final rule finalized the transit safety performance measures.
 - Changed rate denominator from unlinked trips to vehicle revenue miles.
- However, the Public Transportation Agency Safety Plan, which will specify the transit safety target-setting process and timeline, is still pending.
 - Published in draft form on February 15, 2016.



Transit Safety Performance Measures

	Performance Measures	Description
Fatalities	a) Customer b) Employee c) Public	total number of reportable fatalities and rate per revenue vehicle mile by mode
Injuries	a) Customer b) Employee c) Public	total number of reportable injuries and rate per revenue vehicle mile by mode
Safety Events	a) Derailments b) Collisions c) Fires d) Evacuations for life safety	total number of reportable events and rate per total vehicle miles, by mode
System Reliability	a) Major Mechanical System Failures b) Other Mechanical System Failures	mean distance between failures by mode

- Implementing Agency (Transit Providers) – set Targets TBD
- TPB (MPO) – set Targets within 180 days following



PBPP Next Steps

1. Transit Asset Management target-setting
 - Collecting inputs from region's transit agencies.
 - TPB to set transit asset management (TAM) targets for the metropolitan area in the May 2017 timeframe.

2. PBPP Agreement on Coordinated Process
 - Letter in development to all agencies asking for coordination on documenting PBPP process.
 - Leading to formal documentation of responsibilities as required in the new Statewide and Metropolitan Planning rule.

3. Upcoming Meetings: Updates on region's performance
 - a) Highway Safety (March)
 - b) Pavement and Bridge Condition (April)
 - c) Transit Asset (April)



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