



MEMORANDUM

TO: TPB Technical Committee
FROM: Eric Randall, TPB Transportation Engineer
SUBJECT: Update on Federal Performance-Based Planning and Programming Requirements
DATE: December 28, 2016

This memorandum provides an update for the TPB Technical Committee on federal rulemaking and the performance-based planning and programming (PBPP) requirements under the federal surface transportation act Moving Ahead for Progress in the 21st Century (MAP-21) and continued in the Fixing America's Surface Transportation Act (FAST Act).

PBPP RULEMAKING SCHEDULE

The following is the anticipated schedule for rulemaking in support of the performance-based planning and programming (PBPP) requirements.

- The Pavement and Bridge Condition final rule is anticipated any day.
- The Transit Safety Agency final rule is also anticipated to be issued in January 2017.

The USDOT did not issue their monthly report on significant rulemakings in the month of December, so the above schedule is based on information in November.

PBPP ACTIVITIES

TPB staff is continuing collaboration with DDOT, MDOT, and VDOT, as well as with WMATA and other providers of public transportation, for each performance area. See Table 1 at the end of the memo for the entire list of PBPP performance measures, including the responsible agencies and target setting deadlines.

The status of each of the eight PBPP areas is as follows.

1. Planning

The final Statewide and Metropolitan Planning Rule provides more direction and guidance on requirements for the performance-based planning and programming provisions, including forecasting performance, target-setting, documentation in the CLRP and TIP, and an annual System Performance Report.

To implement PBPP, there is a requirement for each MPO, highway agency, and providers of public transportation in the region to jointly agree upon and document in writing the coordinated processes for:

- Collection of performance data
- Selection of performance targets for the metropolitan area
- Reporting of metropolitan area targets
- Reporting of actual system performance (related to those targets).

TPB staff are working to send a formal communication to each stakeholder to begin discussion on the above requirement, including a request for participation and a proposed process.

2. Highway Safety

The final Highway Safety rule was issued in March 2016. The first targets must be set by State DOTs in August 2017.

State DOTs will submit their new Highway Safety Plans in August, which will include measures and targets for the upcoming year.

TPB staff have collected the latest data from each DOT and are refining it for the metropolitan planning area. Coordination with the State DOTs continues through participation in webinars and workshops. Target-setting by the TPB must occur within 180 days following State DOT targets.

3. Highway Asset Conditions

Publication of the final rule for highway pavement condition and bridge condition is anticipated at any time. The companion asset management plan rule is final.

The State DOTs are also working on their asset management plans which will inform future planning of highway and bridge preservation projects.

TPB staff completed an analysis of the region's 2015 Bridge and Pavement data, which was presented at the December 2 Technical Committee meeting. A more in-depth analysis of each jurisdiction's roads and bridges is in progress.

4. System Performance - Congestion

The proposed System Performance rule was issued in April 2016 and the final rule could be published at any time.

Agencies are awaiting the final rule.

TPB staff continue to evaluate the feasibility of conducting a sensitivity analysis on several proposed congestion measures to determine the impact on regional performance. Several of the measures need data that are currently unavailable (e.g., speed limit for every road segment) or action by the State DOTs (e.g., establishing desired travel time for each road segment). TPB staff are coordinating with State DOTs on collecting and/or determining this data.

5. System Performance - Freight

The proposed System Performance rule was issued in April 2016 and the final rule could be published at any time.

Agencies are awaiting the final rule.

TPB staff continue to evaluate the feasibility of conducting a sensitivity analysis on the proposed performance measures for freight. One measure needs data that requires action by the State DOTs (e.g., establishing desired travel time for each road segment). TPB staff are coordinating with State DOTs on collecting and/or determining this data.

6. System Performance– Air Quality

The proposed System Performance rule was issued in April 2016 and the final rule could be published at any time.

Agencies are awaiting the final rule.

TPB staff continue to evaluate the feasibility of conducting a sensitivity analysis on the proposed measures for air quality. TPB staff are coordinating with State DOTs on collecting and/or determining this data.

7. Transit Asset Management

The final transit asset management rule became effective October 1, 2016.

The rule applies to almost every transit provider in the region. The accountable executive for each provider needed to set performance targets for fiscal year 2018 (FY 2018) by January 1, 2017.

TPB staff will collect the performance and targets from each provider and work to synthesize these for subsequent target setting for the metropolitan planning area by the board in the May 2017 timeframe.

8. Transit Safety

The final transit safety rules are expected in the next several months.

Once published, they will be discussed at the TPB Regional Public Transportation Subcommittee and the Technical Committee.

TABLE 1: PERFORMANCE BASED PLANNING AND PROGRAMMING PERFORMANCE MEASURES

Table of entire list of Performance Measures

PBPP Areas	Agencies	DOT / Providers set Targets	MPO sets Targets
1. Planning (Final)			
Agreement on sharing Data, selecting Targets, and Reporting Progress	DOTs, MPOs, Providers	6/27/2018	6/27/2018
Date of conforming CLRP and TIP	MPOs	6/27/2018	6/27/2018
Date of implementation of MPO Coordination Rule	MPOs	2024	2024
2. Highway Safety (5 measures) Final			
Number of Fatalities	DOTs, MPOs	8/31/2017	2/27/2018
Rate of Fatalities per 100 million VMT	DOTs, MPOs	8/31/2017	2/27/2018
Number of Serious Injuries	DOTs, MPOs	8/31/2017	2/27/2018
Rate of Serious Injuries per 100 million VMT	DOTs, MPOs	8/31/2017	2/27/2018
Number of Non-Motorized Fatalities and Serious Injuries	DOTs, MPOs	8/31/2017	2/27/2018
3. Highway Asset Condition (6 measures) Proposed			
<u>Interstate system</u> : Percentage of pavement in Good condition	DOTs, MPOs	TBD	TBD
<u>Interstate system</u> : Percentage of pavement in Poor condition	DOTs, MPOs	TBD	TBD
<u>NHS (non-Interstate)</u> : Percentage of pavement in Good condition	DOTs, MPOs, NHS Owners	TBD	TBD
<u>NHS (non-Interstate)</u> : Percentage of pavement in Poor condition	DOTs, MPOs, NHS Owners	TBD	TBD
<u>NHS</u> : Percentage of Bridges in Good Condition	DOTs, MPOs, NHS Owners	TBD	TBD
<u>NHS</u> : Percentage of Bridges in Poor Condition	DOTs, MPOs, NHS Owners	TBD	TBD
4. System Performance Measures: Congestion (4 measures) Proposed			
<u>Interstate system</u> : Percentage providing for Reliable Travel Times	DOTs, MPOs	TBD	TBD
<u>NHS (non-Interstate)</u> : Percentage providing for Reliable Travel Times	DOTs, MPOs	TBD	TBD
<u>Interstate system</u> : Percentage where Peak Hour Travel Times meet expectations	DOTs, MPOs	TBD	TBD
<u>NHS (non-Interstate)</u> : Percentage where Peak Hour Travel Times meet expectations	DOTs, MPOs	TBD	TBD
5. System Performance Measures: Freight (2 measures) Proposed			
<u>Interstate system</u> : Percentage of Mileage providing for Reliable Truck Travel Times	DOTs, MPOs	TBD	TBD
<u>Interstate system</u> : Percentage of Mileage Uncongested	DOTs, MPOs	TBD	TBD
6. System Performance Measures: Air Quality (2 measures) Proposed			
<u>Traffic Congestion</u> : Annual Hours of Excessive Delay Per Capita	DOTs, MPOs	TBD	TBD
<u>On-Road Mobile Source Emissions</u> : 2- and 4-year Total Emission Reductions for each applicable criteria pollutant and precursor	DOTs, MPOs	TBD	TBD
7. Transit Asset Management (4 measures) Final			
<u>Rolling stock (Age)</u> : Percentage of revenue vehicles that have met or exceeded useful life	Providers, MPOs	1/1/2017	6/30/2017
<u>Equipment (non-revenue) service vehicles (Age)</u> : Percentage of vehicles that have met or exceeded useful life	Providers, MPOs	1/1/2017	6/30/2017
<u>Rail fixed-guideway (Condition)</u> : percentage of track segments, signal, and systems with performance restrictions	Providers, MPOs	1/1/2017	6/30/2017
<u>Stations/ Facilities (Condition)</u> : The percentage rated below condition 3 on the TERM scale.	Providers, MPOs	1/1/2017	6/30/2017
8. Transit Safety (4 measures) Proposed			
<u>Fatalities</u> : total number of reportable fatalities and rate	Providers, MPOs	TBD	TBD
<u>Injuries</u> : total number of reportable injuries and rate	Providers, MPOs	TBD	TBD
<u>Safety Events</u> : total number of reportable Derailments, Collisions, Fires, and Evacuations and rate	Providers, MPOs	TBD	TBD
<u>System Reliability</u> : mean distance between Major and Other Mechanical System Failures	Providers, MPOs	TBD	TBD

