



MEMORANDUM

TO: TPB Technical Committee
FROM: Eric Randall, TPB Transportation Engineer
SUBJECT: Update on Federal Performance-Based Planning and Programming Requirements
DATE: April 28, 2017

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 PBPP rulemaking is essentially complete. All performance measures have been finalized, with the following final rules recently published in support of the requirements.

- The final Highway Assets: Pavement and Bridge Condition rule was published on January 18.
- The final System Performance (Interstate and National Highway System, Freight Movement on the Interstate System, and the Congestion Mitigation and Air Quality Improvement Program) rule was published on January 18.

The effective date of these rule has been postponed twice, the first time to March 21 and the second time to May 20, to provide more time for the new administration's officials to review new and pending regulations. In addition, FHWA has suspended the publication and distribution of further information about the rule, including previously planned webinars.

- The final National Public Transportation Safety Plan rule was published on January 18, finalizing the transit safety performance measures.
 - However, the Public Transportation Agency Safety Plan, which would specify the target-setting process and timeline, is still pending. (Published in draft form on 2/15/16).

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 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 (§ 450.314(h)) for each MPO, highway agency, and provider 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. The TPB anticipates setting targets in December 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.

3. Highway Asset Conditions

Staff applied the final rule to the region's latest pavement and bridge condition data for the region. The 2016 bridge data became available in January 2017 through the National Bridge Inventory (NBI) and 2015 pavement data became available in October 2016 through the Highway Performance Monitoring System (HPMS).

A one-page summary sheet was developed to report the pavement and bridge conditions. In addition to showing the required performance measures (good and poor condition), the summary sheet also provides background information such as lane-miles of Interstate and Non-Interstate NHS, the top 3 deficient bridges, and ownership of the Non-Interstate NHS. This information has been aggregated for the TPB planning area, but is also provided for Suburban Maryland and Northern Virginia and for each jurisdiction in the region. A file containing the summary sheets is attached with the synthesized data reported in the NBI and HPMS.

A map site for the pavement and bridge conditions has been developed:
https://gis.mwcog.org/webmaps/tpb/pbpp/pavement_bridge/

4. System Performance – NHS Congestion, Freight, CMAQ Program

TPB staff are evaluating the final rule, both requirements and data needs. The next step will be to evaluate the feasibility of conducting a sensitivity analysis on the performance measures to determine the impact on regional performance. Several of the measures need data that are currently

unavailable (e.g., federal factors) 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. 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. According to the published rule, the accountable executive for each provider needed to set performance targets for fiscal year 2018 (FY 2018) by January 1, 2017.

TPB staff have collected the targets from each provider in the region and have developed a matrix of reporting entities and their chosen performance targets to propose as the target setting for the metropolitan planning area by the board. The board received a briefing on the draft targets in April, with approval scheduled for the May 17 meeting.

Subsequently, FTA has issued new guidance and guidebooks on the TAM requirements, due dates, and MPO role for the transit asset management target-setting. TPB staff will work to incorporate this new guidance into the documentation of coordinated processes for PBPP between the TPB and the region's providers of public transportation.

6. Transit Safety

The final transit safety rules are still pending. The National Public Transportation Safety Plan specifying the final performance measures has been published. However, the Public Transportation Agency Safety Plan, which would specify the target-setting process and timeline, is still pending

Once published, the process for setting the transit safety targets 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	DOTs / NHS Owners / Transit Providers set Targets	MPO sets Targets
1. Planning Rules			
Agreement on sharing Data, selecting Targets, and Reporting Progress	DOTs, MPOs, Transit Providers	5/27/2018	5/27/2018
Date of conforming CLRP and TIP	MPOs	5/27/2018	5/27/2018
Date of implementation of MPO Coordination Rule	MPOs	2024	2024
2. Highway Safety (5 measures)			
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)			
<u>Interstate system</u> : Percentage of pavement in Good condition	DOTs, MPOs	2/20/2018	8/19/2018
<u>Interstate system</u> : Percentage of pavement in Poor condition	DOTs, MPOs	2/20/2018	8/19/2018
<u>NHS (non-Interstate)</u> : Percentage of pavement in Good condition	DOTs, MPOs, NHS Owners	2/20/2018	8/19/2018
<u>NHS (non-Interstate)</u> : Percentage of pavement in Poor condition	DOTs, MPOs, NHS Owners	2/20/2018	8/19/2018
<u>NHS</u> : Percentage of Bridges in Good Condition	DOTs, MPOs, NHS Owners	2/20/2018	8/19/2018
<u>NHS</u> : Percentage of Bridges in Poor Condition	DOTs, MPOs, NHS Owners	2/20/2018	8/19/2018
4. System Performance Measures: Highway (3 measures)			
<u>Interstate system</u> : Percentage of Person-Miles Traveled that are Reliable	DOTs, MPOs	2/20/2018	8/19/2018
<u>NHS (non-Interstate)</u> : Percentage of Person-Miles Traveled that are Reliable	DOTs, MPOs	2/20/2018	8/19/2018
<u>NHS</u> : Percent Change in Tailpipe CO2 Emissions	DOTs, MPOs	2/20/2018	8/19/2018
5. System Performance Measures: Freight Movement (1 measure)			
<u>Interstate system</u> : Percentage of Mileage providing for Reliable Truck Travel Times	DOTs, MPOs	2/20/2018	8/19/2018
6. System Performance Measures: Congestion Mitigation and Air Quality Program (3 measures)			
<u>NHS</u> : Annual Hours of Peak Hour Excessive Delay Per Capita	DOTs, MPOs	2/20/2018	8/19/2018
<u>NHS</u> : Percentage of Non- SOV Travel	DOTs, MPOs	2/20/2018	8/19/2018
<u>CMAQ Program Emissions</u> : Total Emission Reductions for each applicable criteria pollutant and precursor	DOTs, MPOs	2/20/2018	8/19/2018
7. Transit Asset Management (4 measures)			
<u>Rolling stock (Age)</u> : Percentage of revenue vehicles that have met or exceeded useful life	Transit 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	Transit Providers, MPOs	1/1/2017	6/30/2017
<u>Rail fixed-guideway (Condition)</u> : percentage of track segments, signal, and systems with performance restrictions	Transit Providers, MPOs	1/1/2017	6/30/2017
<u>Stations/ Facilities (Condition)</u> : The percentage rated below condition 3 on the TERM scale.	Transit Providers, MPOs	1/1/2017	6/30/2017
8. Transit Safety (4 measures)			
<u>Fatalities</u> : Total number and rate (per revenue vehicle mile) of reportable fatalities	Transit Providers, MPOs	TBD	TBD
<u>Injuries</u> : Total number and rate of reportable injuries	Transit Providers, MPOs	TBD	TBD
<u>Safety Events</u> : Total number and rate of reportable Derailments, Collisions, Fires, and Evacuations	Transit Providers, MPOs	TBD	TBD
<u>System Reliability</u> : Mean distance between Major and Other Mechanical System Failures	Transit Providers, MPOs	TBD	TBD

