

TRANSPORTATION PERFORMANCE MEASURES

Technical Working Group

June 6, 2019

**Chris Klaus
Senior Program Manager**



North Central Texas
Council of Governments

Transportation Performance Measures

Purpose

Evaluate existing national system and the effectiveness of funding programs

Allows for region-to-region comparison of transportation system performance

Roles and Responsibilities

US DOT

Establish measures; identify data sources; define metrics

Report to Congress

Stewardship and oversight

States and MPOs

Establish targets

Support national goals in the planning process and consider measures and targets in long range plans and programs

Report progress to US DOT (States)

Transportation Performance Measures

Measures

Safety

National Highway Infrastructure

Pavement condition

Bridge condition

System Performance

Level of travel time reliability

Peak hour excessive delay

Truck travel time reliability

Non-single occupancy vehicle travel

Total emissions reductions

Transit Asset Management

Transportation Performance Measures

Safety

Performance Measure Targets:

Fatalities

Fatality rate

Serious injuries

Serious injury rate

Non-motorized fatalities and serious injuries

Transportation Performance Measures

National Highway System Infrastructure (PM2)

Pavement Condition - Percentage of pavement (based on lane miles) of the Interstate System and Non-Interstate National Highway System in “good” or “poor” condition

Bridge Condition - Percentage of National Highway System bridges classified in “good” or “poor” condition

Transportation Performance Measures

System Performance (PM3)

Level of Travel Time Reliability - Percent of person-miles traveled on the **interstate** that are reliable

Percent of person-miles traveled on the **non-interstate** NHS that are reliable

Peak Hour Excessive Delay - delay during peak travel times that occurs below 20 mph or 60% of speed limit, whichever is lower

Transportation Performance Measures

System Performance (PM3)

Truck Travel Time Reliability – amount of extra time truck drivers have to add to trip times because of predictability issues to arrive on time at their destination

Non-Single Occupancy Vehicle Travel – percentage of commuters in the urbanized area who did not drive alone

Total Emissions Reductions – cumulative reduction that will be eliminated by the construction of projects funded with CMAQ funds

Transportation Performance Measures

Transit Asset Management

Targets set in coordination with transit providers

Focus on ensuring that public transportation vehicles, rail lines, and other capital assets are in a state of good repair

Help prioritize funding to achieve or maintain the state of good repair by evaluating condition of transit assets compared to regional targets

Transportation Performance Measures

Measures and Targets

MPOs and TxDOT must set targets for the measures depending on rulemaking

Safety = Annual targets

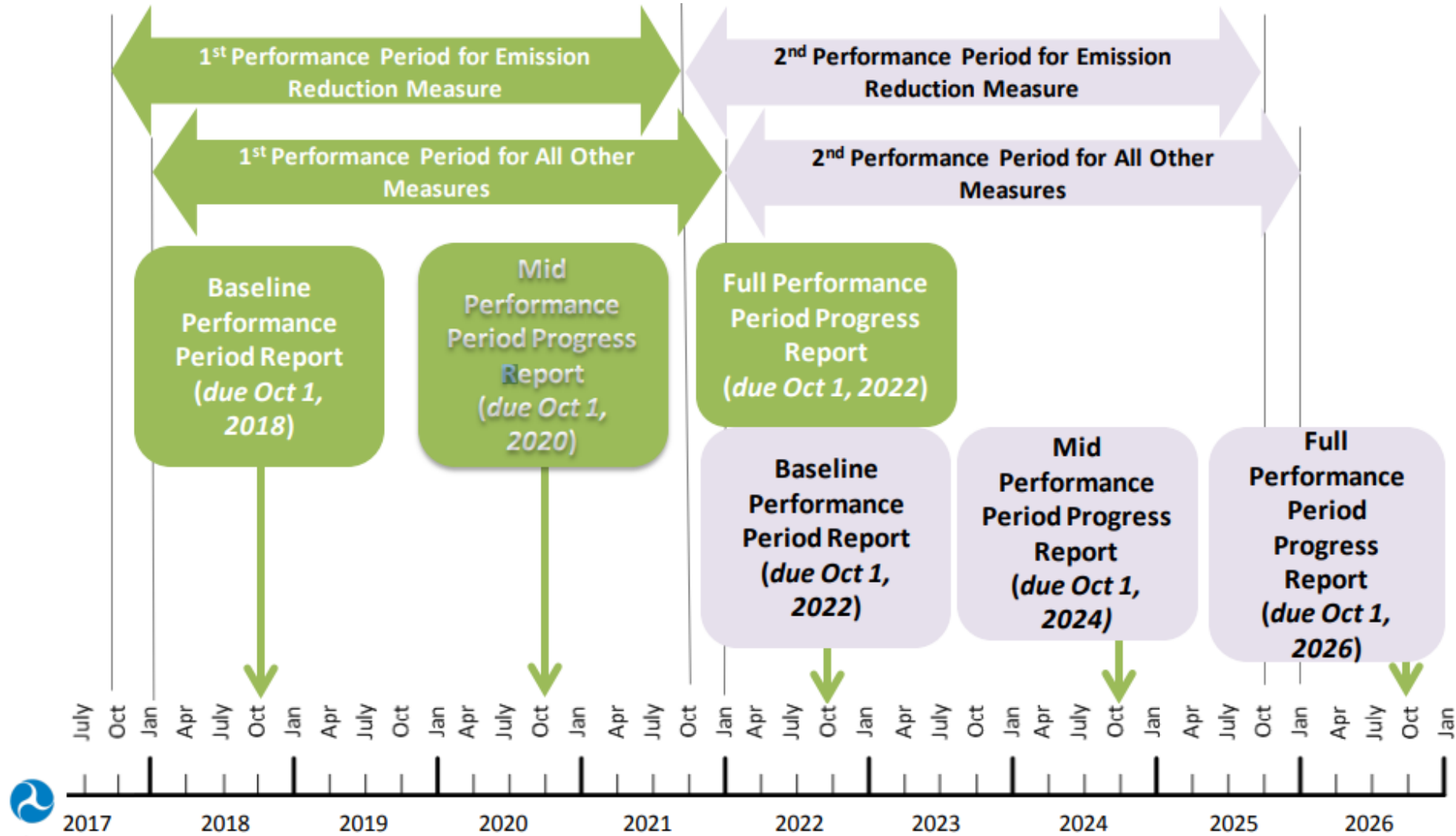
National Highway Infrastructure = Two- and/or four-year targets

System Performance = Two- and/or four-year targets

Transit Asset Management = Annual targets

Transportation Performance Measures

Performance Reporting Period



Transportation Performance Measures

Upcoming Workshop

Transportation Performance Management (TPM) and Performance-Based Planning and Programming (PBPP) Implementation Workshop for the Midwest Region

Sponsored by the Federal Highway Administration and Federal Transit Administration

**Ralph H. Metcalfe Federal Building
77 West Jackson Blvd, Chicago, IL 60604
June 18-20, 2019**

Purpose Statement: The purpose of this workshop, led by the Federal Highway Administration (FHWA) and Federal Transit Administration (FTA), is to allow for peer-to-peer and information sharing on implementation of Transportation Performance Management (TPM) and Performance-Based Planning and Programming (PBPP) requirements from the Moving Ahead in the 21st Century Act (MAP-21) and the Fixing America's Surface Transportation Act (FAST Act).