



Transportation Advisory
Committee
December 7, 2020

FAST Act Performance Measures and Targets

Infrastructure Condition (PM2), and Public
Transportation Agency Safety Plan (PTASP)

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(He, Him, His)

FAST Act Performance Measures



PM1: Safety Performance



PM2: Infrastructure Condition



PM3: System Performance, Freight, and CMAQ



TAM: Transit Asset Management



PTASP: Public Transportation Agency Safety Plan

FEDERAL HIGHWAY ADMINISTRATION (FHWA)

FEDERAL TRANSIT ADMINISTRATION (FTA)

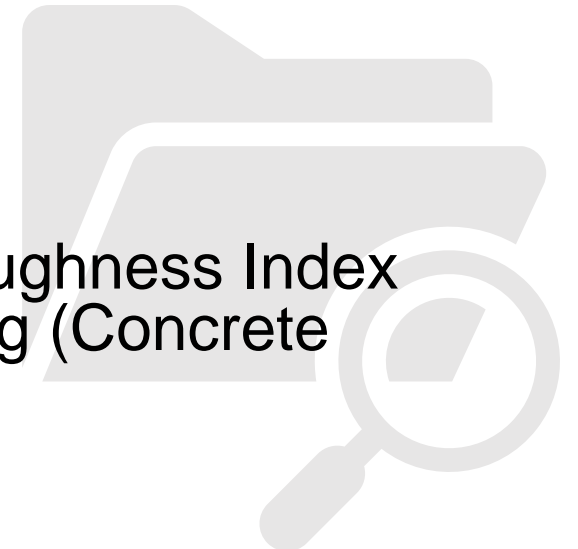


REVISED INFRASTRUCTURE CONDITION (PAVEMENT) TARGETS



PM2: Infrastructure Condition (Pavement) Overview

- **Area** – Individual State 2- & 4-Year Targets for the Non-Interstate NHS and 4 Year Target for the Interstate System (MPOs: 4-Year Target Only)
- **Data** – Highway Performance Monitoring System (HPMS)
- **Performance Measures** –
 - % of Interstate Pavements in Good Condition
 - % of Interstate Pavements in Poor Condition
 - % of non-Interstate NHS Pavements in Good Condition
 - % of non-Interstate NHS Pavements in Poor Condition
- **Calculation** –
 - Good and Poor Condition Rating Areas: International Roughness Index (IRI), Cracking, Rutting (Asphalt pavements), and Faulting (Concrete pavements)



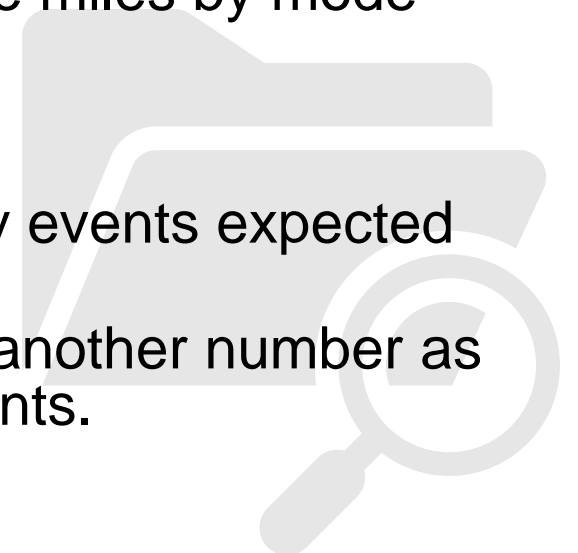
2022 Pavement Condition Performance Measures

Pavement Condition Performance Measures	Baseline (2018)	<u>Original</u> 4-Year Targets (2022)	<u>Revised</u> 4-Year Targets (2022)
Percent of Pavement in Good Condition (Interstate)	44.88%	47%	40%
Percent of Pavement in Poor Condition (Interstate)	0.25%	1%	5%
Percent of Pavement in Good Condition (Non-Interstate NHS)	49.34%	51%	40%
Percent of Pavement in Poor Condition (Non-Interstate NHS)	0.96%	2%	5%



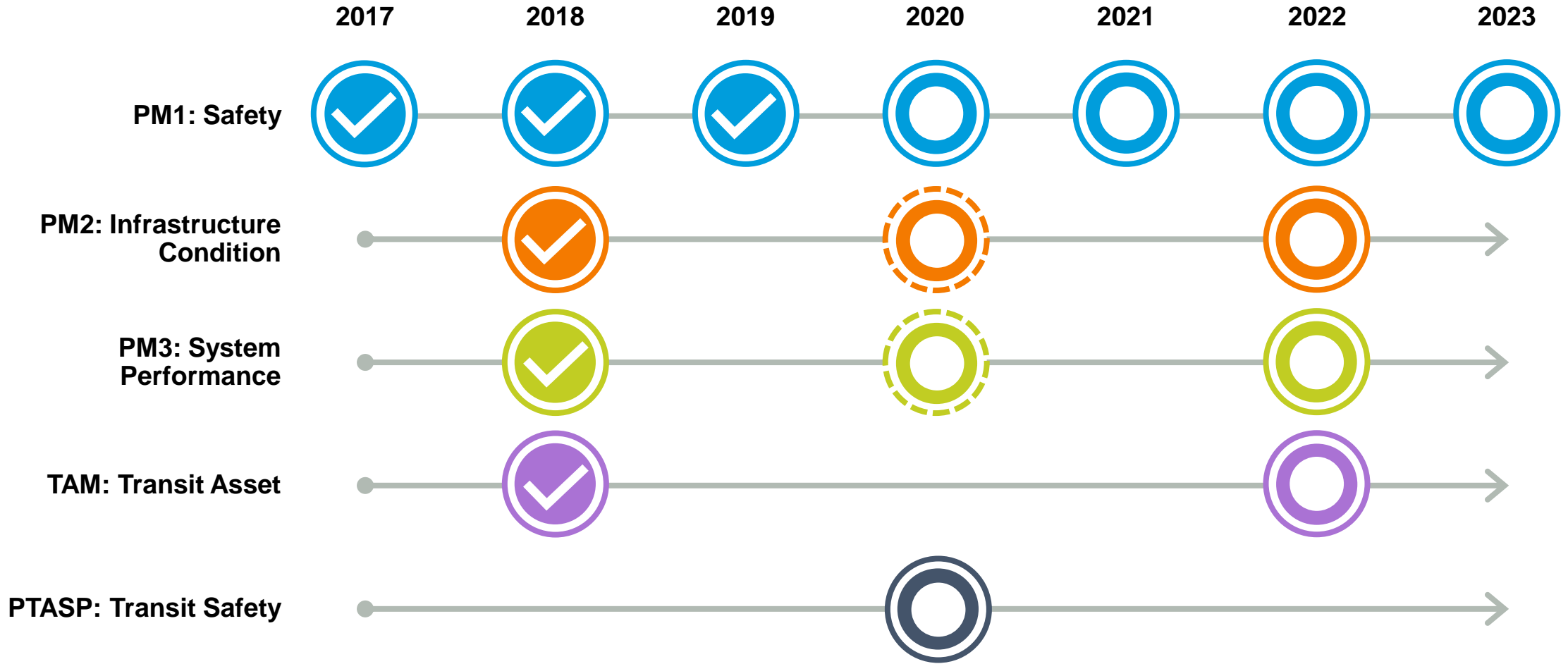
NEW PUBLIC TRANSPORTATION AGENCY SAFETY PLAN TARGETS

- **Area** – All operators of public transportation systems that are recipients and sub-recipients of FTA grant funds
- **Data** – National Transit Database (NTD)
- **Performance Measures** –
 - Total number of reportable fatalities and rate per vehicle revenue miles by mode
 - Total number of reportable injuries and rate per vehicle miles by mode
 - Total number of reportable events and rate per vehicle revenue miles by mode
 - Mean distance between major mechanical failures by mode.
- **Calculation** –
 - Number Targets – Total number of fatalities, injuries and safety events expected per year
 - Rate Targets – Use the total annual vehicle revenue miles, or another number as needed for consistency with state/regional planning requirements.



- Zero fatalities in RTD operating systems; Bus, Light Rail and Commuter Rail
- Preventable accident rate per 100,000 miles:
 - Bus less than 1.0
 - Light Rail less than 1.0
- 10% reduction in Bus preventable accidents
- 10% reduction in Light Rail preventable accidents
- 10% reduction in Commuter Rail accidents
- 25% reduction of lost time employee injuries
- 15% reduction of On-the-Job Injuries (OJIs)
 - 25% reduction of Slip and Fall injuries
 - 25% reduction of injuries from strains
- Measure and hold to current levels of performance for system reliability without decline in reliability or increases in costs as described in the current Transit Asset Management Plan (TAMP).

Target-Setting Timeline



MPO Action Taken



MPO Action Required



MPO Action Possible
Pending CDOT Action

Requested Motion

Move to recommend to the Regional Transportation Committee the CDOT-revised 2021 Infrastructure Condition (Pavement) targets, and RTD's 2021 Public Transportation Agency Safety Plan targets as required by the FAST Act.

