

Performance and Asset Management Updates

MPO/RPA Quarterly Meeting

June 22, 2022

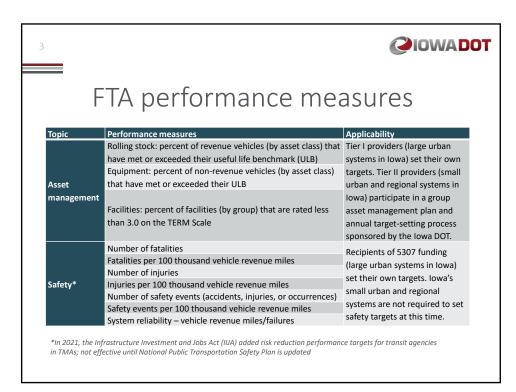
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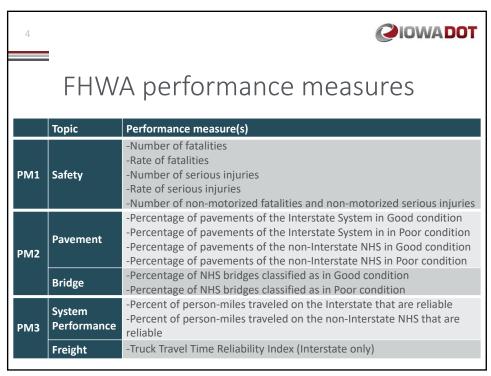


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## Overview

- FTA and FHWA performance measures
- MPO responsibilities
- Safety (PM1) targets
- Pavement/bridge (PM2) and system performance/freight (PM3) targets
- Transportation Asset Management Plan (TAMP) update





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# General MPO responsibilities

- FTA targets: set targets within 180 days of transit providers' initial target setting; encouraged to review/update targets following transit provider updates and when updating LRTP
- FHWA targets: set targets within 180 days of State DOT
  - Agree to plan and program projects so that they contribute toward the accomplishment of the State DOT target, or
  - Commit to a quantifiable target for that performance measure for the metropolitan planning area
- Incorporate measures and targets into the planning process, TIP, and LRTP
- Integrate performance-based plans from State DOT and transit providers into the planning process

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# PM 1 – Safety targets

Most recent performance evaluation

Iowa CY 2020 Safety Performance Target Assessment

PERFORMANCE MEASURE	2016-2020 TARGET	2016-2020 ACTUAL	2014-2018 BASELINE	MET TARGET?	BETTER THAN BASELINE?	MET OR MADE SIGNIFICANT PROGRESS?	
Number of Fatalities	345.8	344.8	338.6	Yes	N/A		
Rate of Fatalities	1.011	1.058	1.030	No	No		
Number of Serious Injuries	1,396.2	1,389.6	1,456.2	Yes	N/A	YES	
Rate of Serious Injuries	4.083	4.256 4.424		No	Yes		
Number of Non- Motorized Fatalities & Serious Injuries	138.1	131.6	132.6	Yes	N/A		

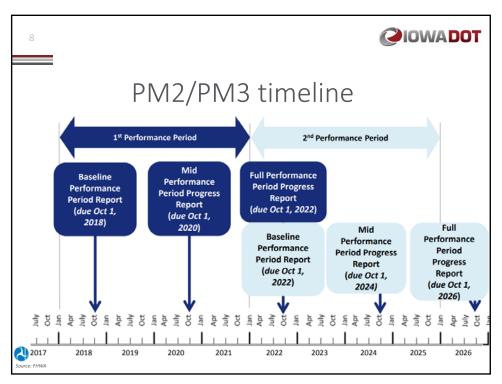
Source: FHWA



# Safety targets for 2019-2023

- Draft targets sent to MPOs June 14; comments due June 24
- Same methodology as past years
- Iowa DOT targets will be officially set as part of the Highway Safety Improvement Program (HSIP) annual report submittal on 8/31/22
- MPO targets will be due by 2/27/23

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# PM2 measures/targets for 2018-2021 performance period

	Actı	al Perform			
Performance measure	<b>2017</b> Baseline	<b>2019</b> Mid-year	<b>2021</b> Final year	2-yr target	4-yr target
Percent of <b>Interstate</b> pavements in <b>Good</b> condition	N/A	66.1%	TBD	N/A	49.4%
Percent of <b>Interstate</b> pavements in <b>Poor</b> condition	N/A	0.4%	TBD	N/A	2.7%
Percent of <b>non-Interstate NHS</b> pavements in <b>Good</b> condition	50.9%	55.4%	TBD	48.8%	46.9%
Percent of <b>non-Interstate NHS</b> pavements in <b>Poor</b> condition	10.6%	9.3%	TBD	13.2%	14.5%
Percent of <b>NHS bridges</b> classified as in <b>Good</b> condition	48.9%	48.7%	TBD	45.7%	44.6%
Percent of <b>NHS bridges</b> classified as in <b>Poor</b> condition	2.3%	2.2%	TBD	3.7%	3.2%

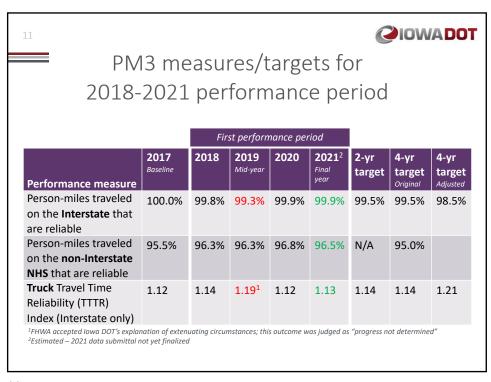
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### PM2

- State DOT 2- and 4-year targets for 2022-2025 performance period due 10/1/22
  - Beginning internal discussions; will provide draft targets to MPOs for review/comment
- MPO 4-year targets will be due 180 days after State DOT
- Non-Interstate NHS transition for pavement condition
  - In first performance period, measures were based only on International Roughness Index (IRI)
  - Measures will now be based on full distress (IRI, cracking percent, rutting, and faulting data)
    - Will not be directly comparable to prior IRI-only data
    - Expect both good and poor percentages to decrease



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## PM3

- State DOT 2- and 4-year targets for 2022-2025 performance period due 10/1/22
  - Beginning internal discussions; will provide draft targets to MPOs for review/comment
- MPO 4-year targets will be due 180 days after State DOT
- Iowa DOT currently continuing to buy-in to MAP-21 tool; MPOs encouraged to utilize the tool and its data



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### Iowa DOT Transportation Asset Management Plan (TAMP)

- · Became a requirement with MAP-21
- Addresses management of pavements and bridges on the National Highway System (NHS)
  - Need to consider locally-owned NHS
    - Memo sent to local city/county owners on May 17, 2022
  - May include other assets/systems
  - Iowa DOT TAMP includes full Primary Highway System
- 10-year horizon, updated every four years
  - Initial TAMP certified in 2018; updated in 2019 to fully address requirements
  - Updated TAMP due July 26, 2022
    - Extension until December 31, 2022 to address IIJA new requirements related to extreme weather and resilience
- FHWA certifies the processes used to develop the plan
- Each year a consistency review is submitted by July 1
  - Discuss asset management implementation
  - Compare the prior SFY lettings vs. most recent TAMP's investment plan



#### Resources

- FHWA safety performance management: <u>https://safety.fhwa.dot.gov/hsip/spm/</u>
- FHWA guidance (TPM in general; PM2 and PM3): https://www.fhwa.dot.gov/tpm/
- FTA TAM guidance: <a href="https://www.transit.dot.gov/TAM">https://www.transit.dot.gov/TAM</a>
- FTA safety guidance: <a href="https://www.transit.dot.gov/PTASP">https://www.transit.dot.gov/PTASP</a>
- lowa DOT targets, TAMP, and miscellaneous resources: <a href="https://iowadot.gov/systems">https://iowadot.gov/systems</a> planning/planning/federal -performance-management-and-asset-management

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