

# FHWA PM2 Targets

Pavement and Bridge Updates

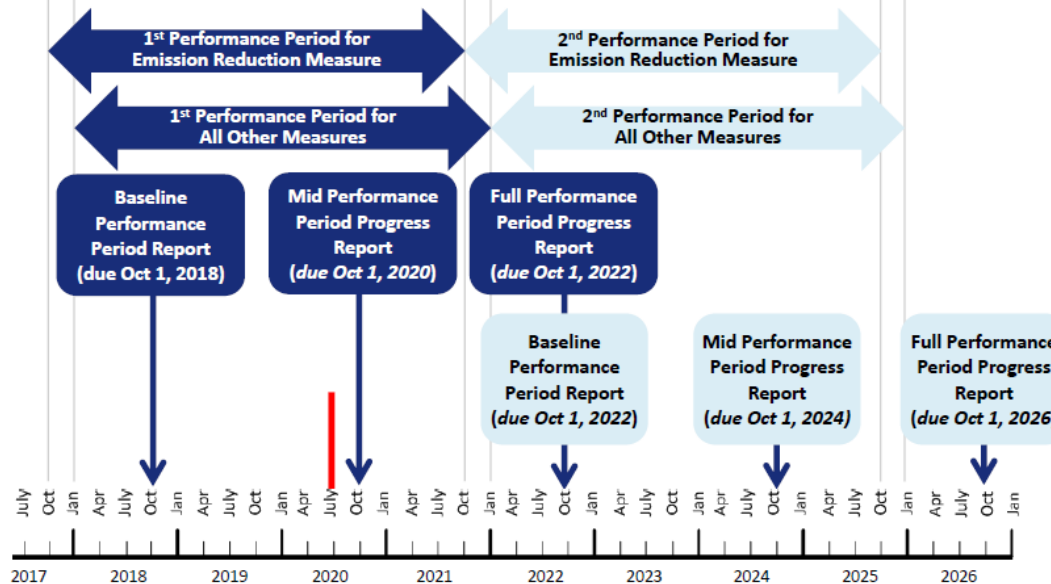
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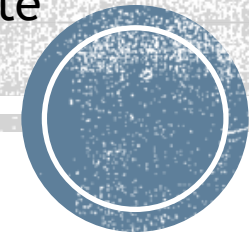
**On the TPM Journey: We've Completed the First Step!**



# PM<sub>2.5</sub> Measures

- NHS System
- Defined Criteria
- 2 & 4 year Targets
- Data collected calendar year
- Reported following March/April
- Reports due October
- FHWA Publishes data to TPM website

<https://www.fhwa.dot.gov/tpm/reporting/state/condition.cfm?state=Illinois>



		Good	Fair	Poor
<b>IRI</b> <i>(inches/mile)</i>		<95	95-170	>170
<b>Cracking</b> <i>(%)</i>	<i>Asphalt</i>	<5	5-20	>20
	<i>JPCP</i>	<5	5-15	>15
	<i>CRCP</i>	<5	5-10	>10
<b>Rutting</b> <i>(inches)</i>		<0.20	0.20-0.40	>0.40
<b>Faulting</b> <i>(inches)</i>		<0.05	0.05-0.15	>0.15

# Pavement

Good - All 3 good

Poor  $\geq 2$

Fair - All other combinations



NHS Performance Measure	2017 Data Baseline 10/1/18	2018 Data	2019 Data MPP 10/1/20	2 year Target (2019)	4 Year Target (2021)
Interstate = Good	65.79%	63.8%	65.8%		65%
Interstate = Poor	0.29%	0.4%	0.4%		4.9%
Non-Interstate = Good	27.71%	24.2%	24.8%	27%	27%
Non-Interstate = Poor	4.94%	8.7%	8.6%	6%	6%

## IDOT Statewide Targets

- All data numbers are from HPMS report cards.
- Only 4 year Interstate targets set for 1<sup>st</sup> Performance Reporting Period.
- FHWA published Non-Interstate baseline and 2018 based on IRI data only.
- IDOT will receive final FHWA numbers September 1.





## Condition Rating Thresholds for Classification

NBI Rating Scale <i>(from 0–9)</i>	9 8 7	6 5	4 3 2 1 0
	Good	Fair	Poor

Bridge	Deck <i>(Item 58)</i>	≥ 7	5 or 6	≤ 4
	Superstructure <i>(Item 59)</i>	≥ 7	5 or 6	≤ 4
	Substructure <i>(Item 60)</i>	≥ 7	5 or 6	≤ 4
	Culvert <i>(Item 62)</i>	≥ 7	5 or 6	≤ 4



# Structure

- Rating is based on the lowest NBI rating



NHS Performance Measure	2017 Data Baseline 10/1/18	2018 Data	2019 Data MPP 10/1/20	2 year Target (2019)	4 Year Target (2021)
Bridges = Good	29.1%	28.1%	28%	28%	27%
Bridges = Poor	11.6%	13.7%	13.3%	13%	14%

## IDOT Statewide Targets

- 2017 & 2018 are official FHWA numbers from TPM site.
- 2019 Poor is official based on penalty letter IDOT received.
- 2019 Good is based on IDOT's estimates from year end files used in NBI reporting.
- IDOT will receive final FHWA 2019 Good numbers September 1.



# Next Steps

- IDOT will receive final numbers on September 1.
- Meetings will be held with business areas
  - Review targets to FHWA official numbers.
  - Review 4 year targets to determine if changes are needed.
  - Make recommendation for Senior Staff review and approval.
- Post official MPP (MidPerformance Period) report by October 1.



# Summary Findings

- IDOT implementing TAMP during this process, changing from worst/first approach and enhanced preservation practices and budgeting.
- PM2 Pavement measurement criteria is different than TAMP.
- Pavements had a change in definition of percent cracking which limited ability to set trends based on FHWA multiple criteria.
- Lag time from implementation to results.
  - Annual Projects determined.
  - Projects let over the next year.
  - Projects completed.
  - CRS data collected March - June.
  - Data Reported to FHWA following March/April.
  - Official Results posted in September.
- Process is currently a very manual process.



**QUESTIONS?**

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