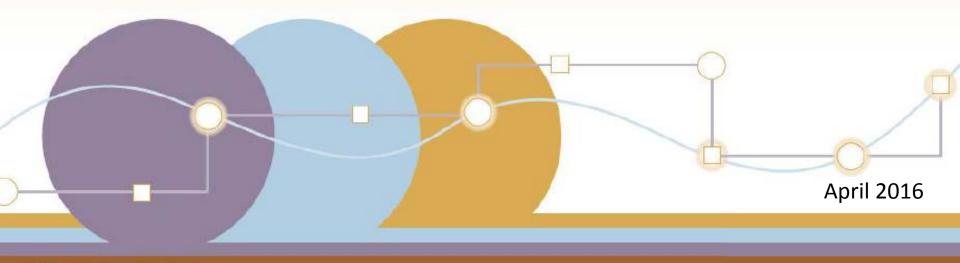
#### **National Performance Management Measures NPRM**

Assessing Performance of the National Highway System, Freight Movement on the Interstate System, and the Congestion Mitigation and Air Quality Improvement Program

# Subpart E:

## **Measures to Assess Performance of the NHS**



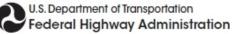




#### **Opening Comments and Introductions**



#### **Jeffrey Lindley** Associate Administrator Office of Operations





#### Today's Webinar

#### Part 1

Introduction to Transportation Performance Management Francine Shaw Whitson, Office of Infrastructure

#### Part 2

Proposed Performance Measures and Concepts

Rich Taylor, Office of Operations

#### Part 3

Calculating the Proposed Performance Measures

Rich Taylor, Office of Operations

#### Part 4

Target Establishment, Reporting, Significant Progress, and RIA Francine Shaw Whitson, Office of Infrastructure

Nat Coley, Office of Infrastructure

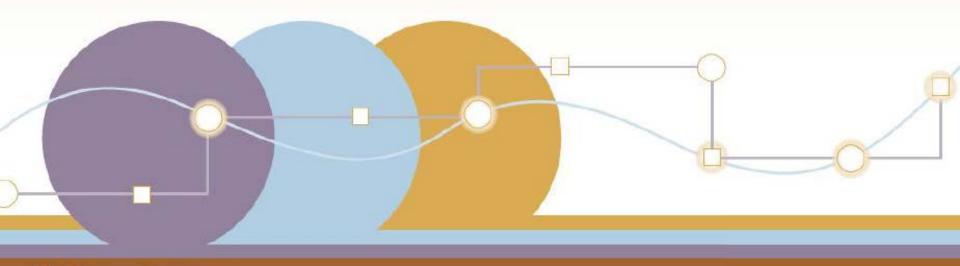
#### Part 5

Summary and Q&A

Francine Shaw Whitson, Office of Infrastructure

Measures to Assess Performance of the NHS

# Introduction to Transportation Performance Management



U.S. Department of Transportation Federal Highway Administration

## Why Are We Doing Performance Management?

- To transform the Federal-aid Highway Program and to provide a means to the most efficient investment of Federal transportation funds
- To refocus on national transportation goals
- To increase the accountability and transparency of the Federal-aid Highway Program
- To improve decision-making through performance-based planning and programming



## FHWA TPM Rulemaking Schedule

Performance Area	NPRM	Comments Due	Final Rule
Safety Performance	March 11, 2014	<u>Closed</u> June 30,	Published
Measures		2014	March 15, 2016
Highway Safety	March 28, 2014	<u>Closed</u> June 30,	Published
Improvement Program		2014	March 15, 2016
Statewide and Metro Planning; Non-Metro Planning	June 2, 2014	<u>Closed</u> October 2, 2014	Anticipated May 2016
Pavement and Bridge	January 5, 2015	<u>Closed</u>	Anticipated
Performance Measures		May 8, 2015	October 2016
Highway Asset	February 20, 2015	<u>Closed</u>	Anticipated
Management Plan		May 29, 2015	October 2016
Performance of the NHS, Freight, and CMAQ Measures	April 22, 2016	<u>Open</u> until August 2016 120 days	TBD



U.S. Department of Transportation Federal Highway Administration

Measures to Assess Performance of the NHS



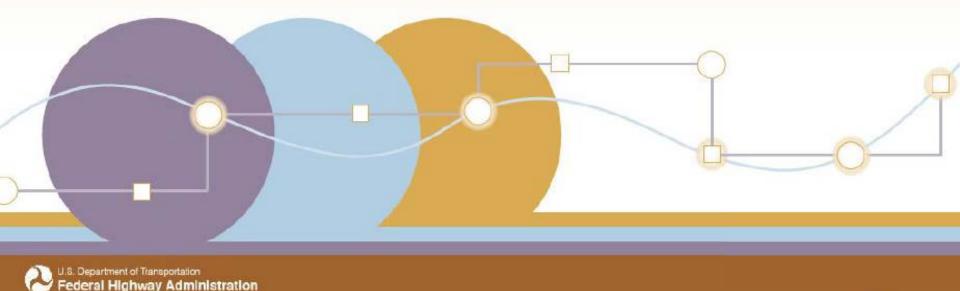
#### Summary of Proposed New 23 CFR Part 490

- Subpart A: General Information, Target Establishment, Reporting, and NHPP and NHFP Significant Progress Determination
- Subpart B: Measures to Assess the Highway Safety Improvement Program (HSIP)
- Subpart C: Measures to Assess Pavement Condition
- Subpart D: Measures to Assess Bridge Condition
- Subpart E: Measures to Assess Performance of the National Highway System (NHS)
- Subpart F: Measures to Assess Freight Movement on the Interstate System
- **Subpart G:** Measure to Assess the CMAQ Program Traffic Congestion
- Subpart H: Measures to Assess the CMAQ Program On-Road Mobile Source Emissions



# Proposed Performance Measures and Concepts

Key Concepts, Performance Measure Data Requirements, and Applicability



# Subpart E: Measures for Assessing Performance of the National Highway System (NHS)

1	Interstate System	Non-Interstate NHS
Travel Time Reliability	Percent of the Interstate System providing for reliable travel times	Percent of the non-Interstate NHS providing for reliable travel times
3	4	
Peak Hour Travel Time	Percent of the Interstate System in urbanized areas over 1M in population where peak hour travel times meet expectations	Percent of the non-Interstate NHS in urbanized areas over 1M in population where peak hour travel times meet expectations



## Metrics, Thresholds, and Measures

Each Reporting Segment

METRIC A quantifiable indicator of performance or condition THRESHOLD The level of performance for a specific reporting segment that would determine its inclusion in the measure Entire Applicable Network

MEASURE An expression based on a metric, used to establish targets and to assess progress towards achieving the established target

Average truck speed = **52.30 mph** 

Uncongested = Avg truck speed > 50.00 mph 2,510 uncongested miles 3,000 total miles = 83.7% uncongested

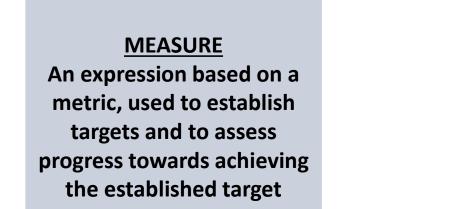


Example



#### Measures vs. Targets

Entire Applicable Network

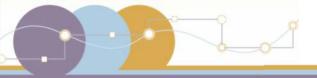


Example

83.7% total Interstate miles uncongested TARGET A quantifiable level of performance or condition, as a value for a measure, to be achieved within a time period required by FHWA

Target: 80.0% uncongested Actual: 83.7% uncongested ✓ Target Achieved

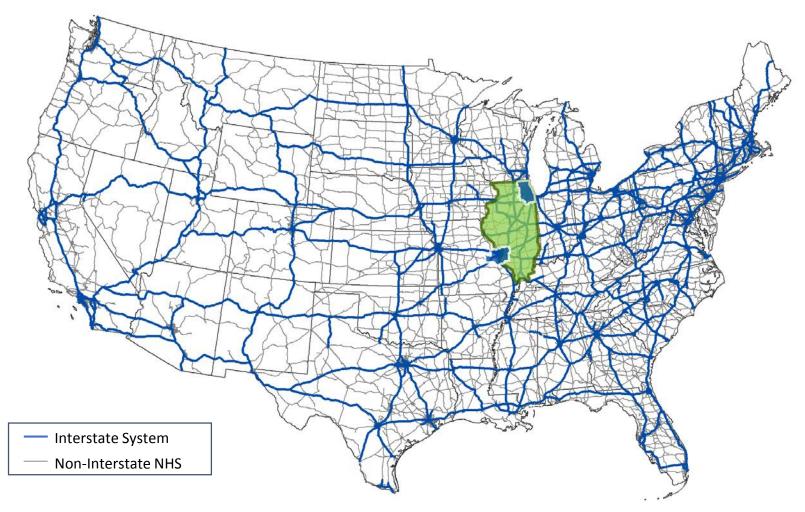


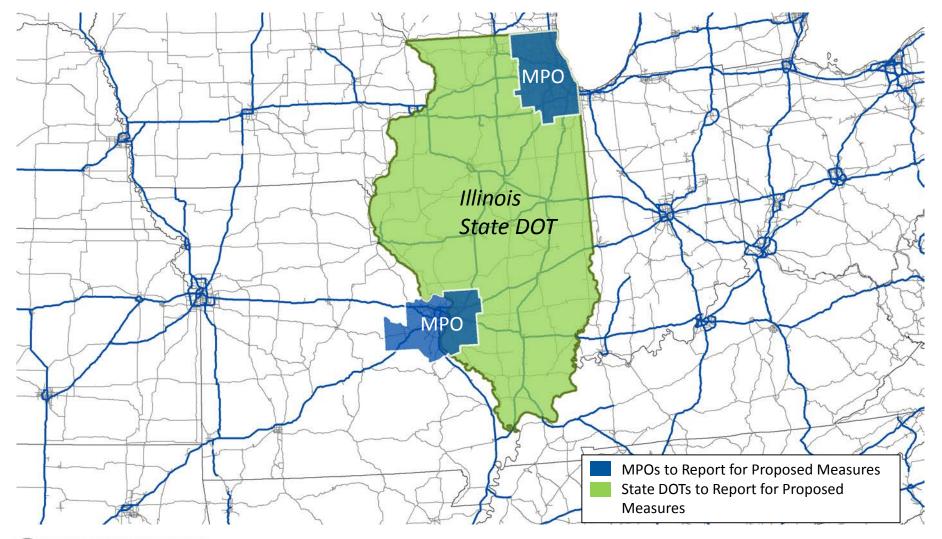


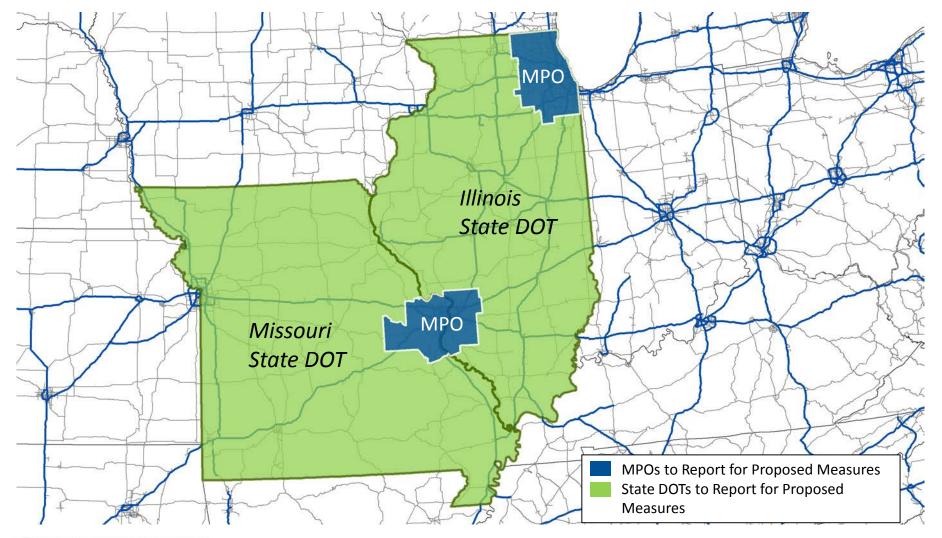


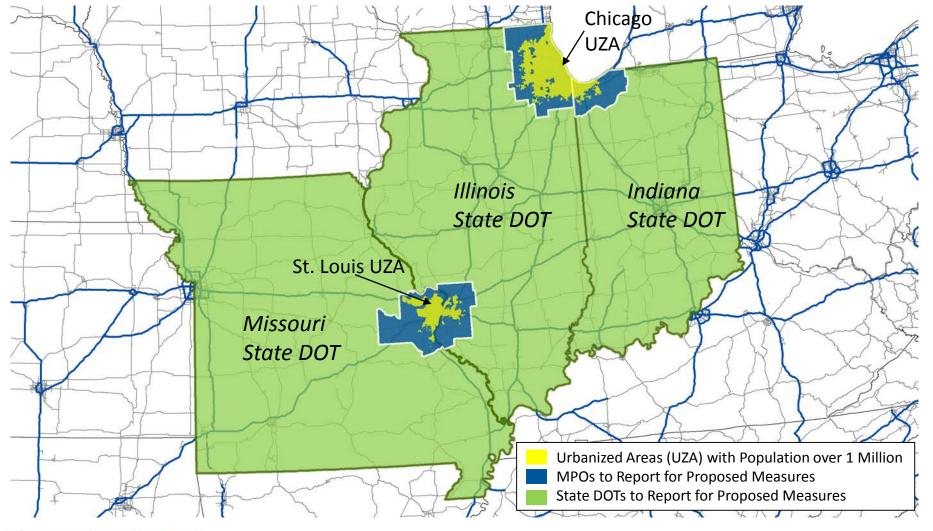
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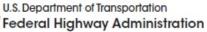
Measures to Assess Performance of the NHS



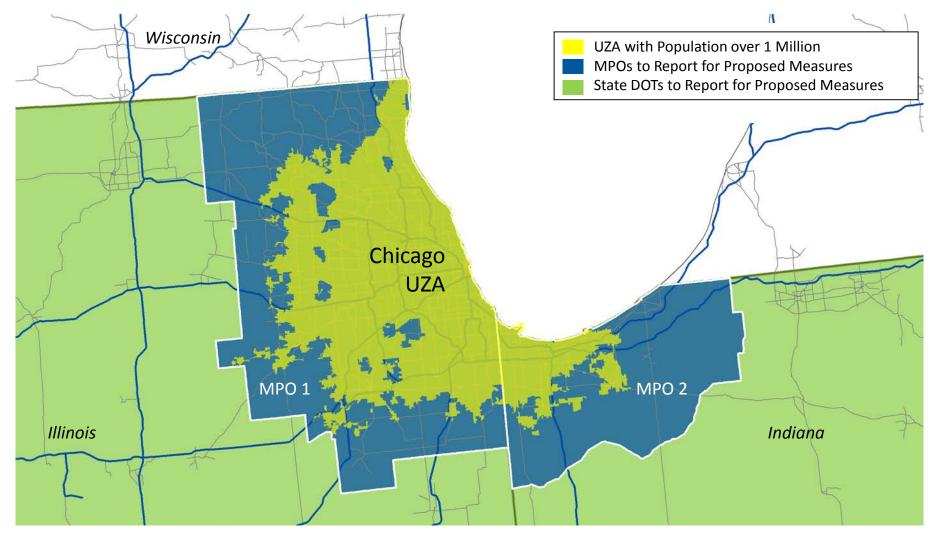








**Transportation Performance Management** 



## Data Sources for Proposed Performance Measures

Data Sources	Applicable Measure(s)	Relevant Data
National Performance Management Research Data Set (NPMRDS) or equivalent data set	<ul><li>Travel Time Reliability</li><li>Peak Hour Travel Time</li></ul>	<ul> <li>Travel times</li> <li>NHS travel time segments</li> </ul>
US Decennial Census	Peak Hour Travel Time	<ul> <li>Urbanized area populations</li> </ul>
Highway Performance Monitoring System (HPMS)	<ul><li>Travel Time Reliability</li><li>Peak Hour Travel Time</li></ul>	<ul> <li>Urbanized area boundaries</li> <li>AADT/volumes</li> </ul>



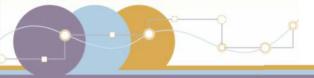
# What is the National Performance Management Research Data Set (NPMRDS)?

- Is a data set provided by FHWA monthly to State DOTs and MPOs
- Includes travel times derived from all traffic using the highway system, in 5-minute bins
- Includes a breakdown of travel times of freight vehicles and all traffic (freight and passenger vehicles)
- Uses travel times that are reported via vehicle probes on contiguous segments of roadway covering the entire mainline NHS
- Uses vehicle probes that could include mobile phones, vehicle transponders, and portable navigation devices

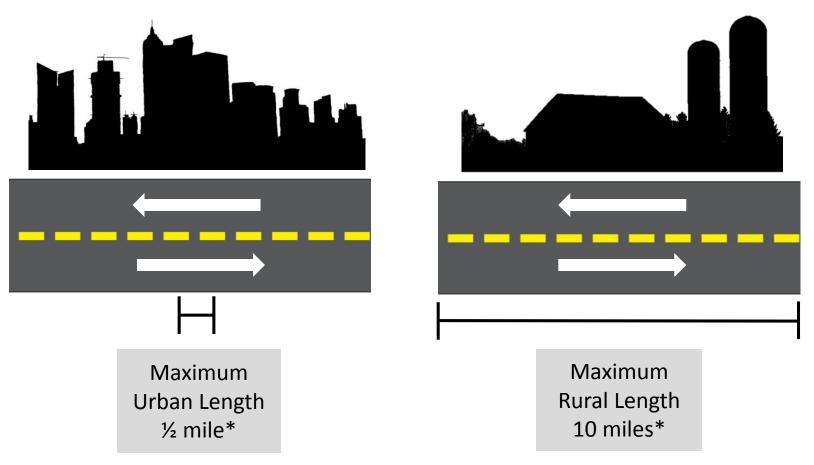
#### Equivalent Data Set Requirements

- Include contiguous segments that cover the full NHS, as defined in 23 U.S.C. 103, within the State boundary and/or MPA
- Include average travel times for at least the same number of 5minute intervals and the same locations that would be available in the NPMRDS
- Be populated with actual measured vehicle travel times and shall not be populated with travel times derived from imputed methods (historic travel times or other estimates)
- For each segment at 5-minute intervals throughout a full day (24 hours) for each day of the year, include the average travel time, recorded to the nearest second, representative of at least one of the following:
  - All traffic on each segment of the NHS (freight and passenger)
  - Freight vehicle traffic on each segment of the Interstate System





## **Reporting Segments – Mainline NHS**



\*Unless an individual Travel Time Segment is longer

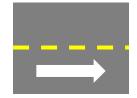


Measures to Assess Performance of the NHS

**Transportation Performance Management** 

## Example of NPMRDS Travel Times

Single Road Segment (eastbound travel)



All 5-min bins in a 24-hour period



#### Full Year (Jan 1-Dec 31)



5-minute bins		Avg Travel Time (EB)		
(1	05,120 per year)	All Traffic (sec)		
Feb 3	6:00 – 6:05am	47		
Feb 3	6:05 – 6:10am	55		
Feb 3	6:10 – 6:15am			
Feb 3	6:15 – 6:20am	53		
Feb 3	6:20 – 6:25am	52		

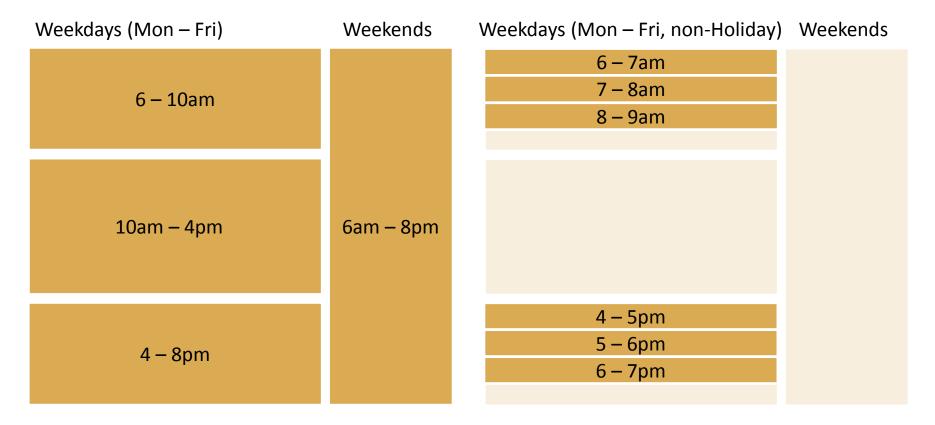
Nov 7	6:25 – 6:30pm	51
Nov 7	6:30 – 6:35pm	53
Nov 7	6:35 – 6:40pm	54
Nov 7	6:40 – 6:45pm	50
Nov 7	6:45 – 6:50pm	57

**Transportation Performance Management** 

## Data Requirements for the Measures

#### **Travel Time Reliability:**

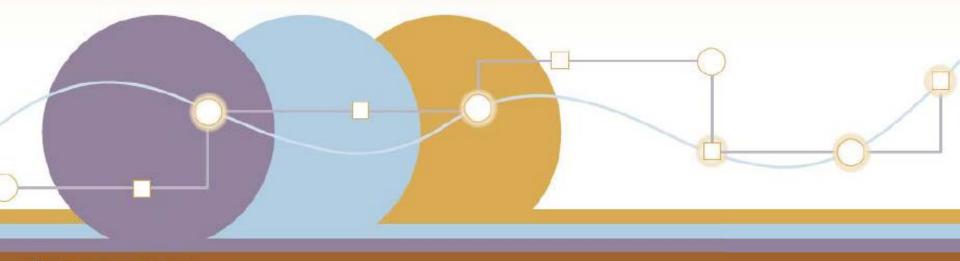
Peak Hour Travel Time:





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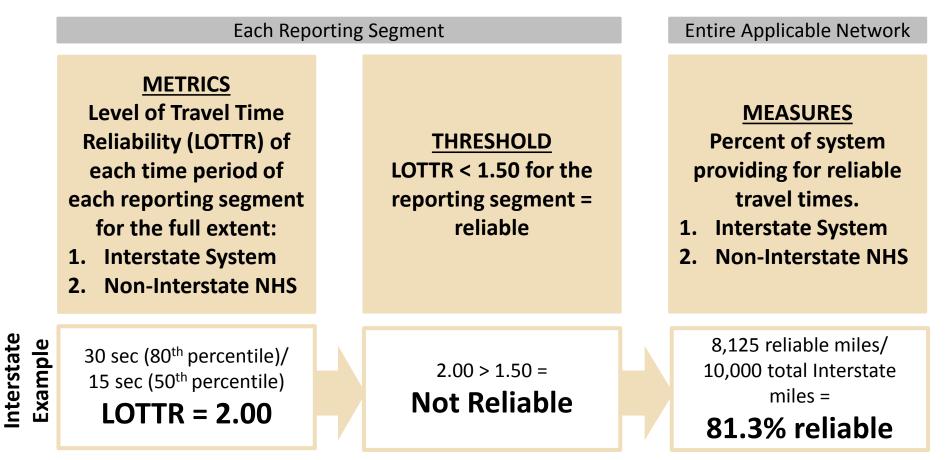
# **Calculating the Proposed Performance Measures**



U.S. Department of Transportation Federal Highway Administration



# Measures to Assess Performance of the NHS – <u>Travel</u> <u>Time Reliability</u>



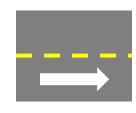


# Calculating Level of Travel Time Reliability <u>Metrics</u>

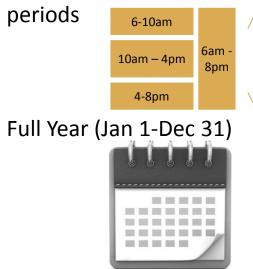
Assemble travel times in 5-minute bins, for each segment and each period, for the full year

C mainsuta hina

# 0.500 mi. segment (eastbound travel)



#### All 5-min bins, 4 time



Department of Transportation

Federal Highway Administration

5-minute bins		Avg naver time (LD)
(up	to 61,488 per year)	All Traffic (sec)
Feb 3	6:00 – 6:05am	26
Feb 3	6:05 – 6:10am	28
Feb 3	6:10 – 6:15am	36
Feb 3	6:15 – 6:20am	37
Feb 3	6:20 – 6:25am	36

Nov 7	6:25 – 6:30pm	27
Nov 7	6:30 – 6:35pm	
Nov 7	6:35 – 6:40pm	26
Nov 7	6:40 – 6:45pm	25
Nov 7	6:45 – 6:50pm	26



Avg Travel Time (FB)

# Calculating Level of Travel Time Reliability Metrics

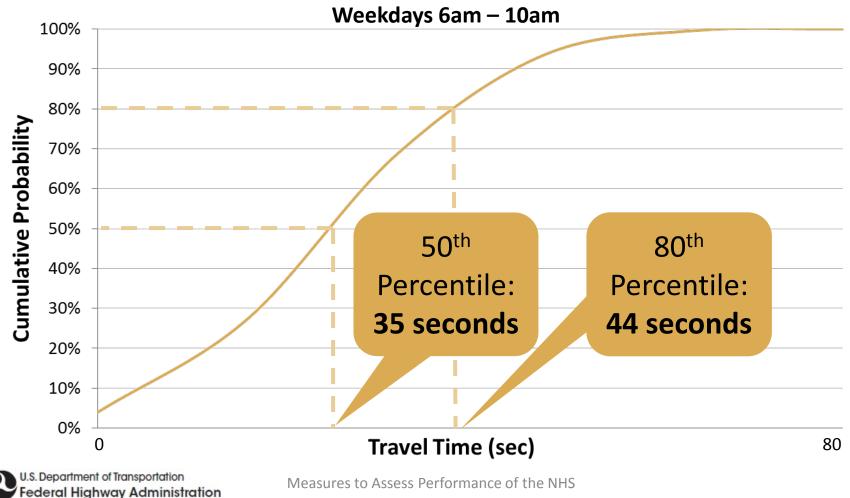
Replace blank values with the travel time at posted speed limit.

**Blank times** indicate that no vehicle probes reported data during this time period. Convert these to travel time at the posted speed limit (TT@PSL).

(up	5-minute bins to 61,488 per year)	Avg Travel Time (EB)				
(up		All Traffic (sec)				
Feb 3	6:00 – 6:05am	26				
Feb 3	6:05 – 6:10am	28				
Feb 3	6:10 – 6:15am	36				
Feb 3	6:15 – 6:20am	37				
Feb 3	6:20 – 6:25am	36				
Nov 7	6:25 – 6:30pm	27				
		26				
Nov 7	6:35 – 6:40pm	26				
Nov 7	6:40 – 6:45pm	25				
Nov 7	6:45 – 6:50pm	26				

# Calculating Level of Travel Time Reliability <u>Metrics</u>

Note the normal (50<sup>th</sup> percentile) and longer (80<sup>th</sup> percentile) travel times





# Calculating Level of Travel Time Reliability <u>Metrics</u>

Determine the LOTTR Metric for each time period

Longer Travel Time (80th) Normal Travel Time (50th) =  $\frac{\# \text{ seconds}}{\# \text{ seconds}}$  = Level of Travel Time Reliability Ratio

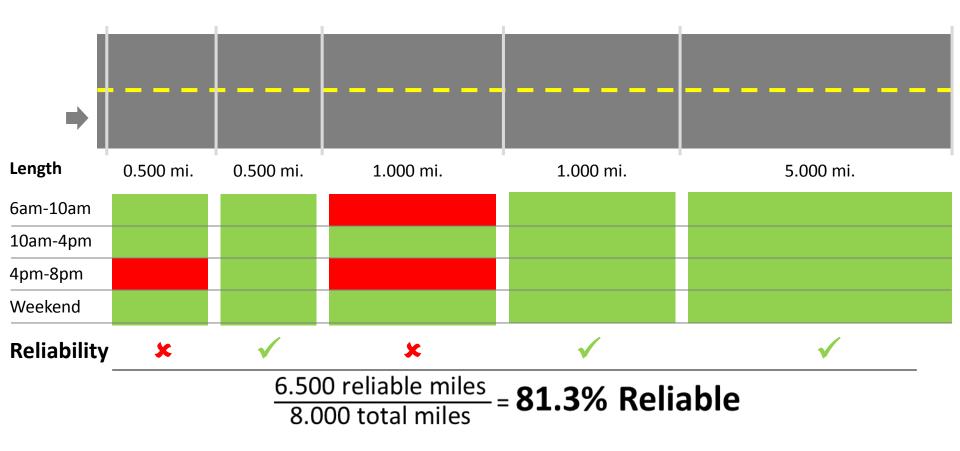
Level of Travel Time Reliability (LOTTR) (Single Segment, Interstate Highway System)				
6am – 10am		$LOTTR = \frac{44 \text{ sec}}{35 \text{ sec}} = 1.26$		
Monday – Friday	10am – 4pm	LOTTR = 1.39		
	4pm – 8pm	LOTTR = <b>1.54</b>		
Weekends	6am – 8pm	LOTTR = 1.31		
Must exhibit LOTTR below 1.50 during <u>all</u> of the time periods		Segment <u>does not</u> provide for reliable travel times		





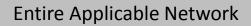
## Calculating Travel Time Reliability <u>Measure</u>

Calculate the percentage of all reporting segments providing for reliable travel times





#### Measure vs. Target



#### **MEASURES**

Percent of system providing for reliable travel times. Threshold: < 1.50

- 1. Interstate System
- 2. Non-Interstate NHS

Interstate Example

#### 81.3%

Interstate miles providing for reliable travel times

#### **TARGETS**

- % of Interstate System provides reliable travel times;
- 2. % of non-Interstate NHS provides reliable travel times

Target: 80.0 % Actual: 81.3 % ✓ **Target Achieved** 





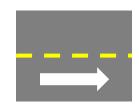
# Measures to Assess Performance of the NHS – <u>Peak</u> <u>Hour Travel Time</u>

	Each Reporting Segment			Entire Applicable Network
	METRICS Peak Hour Travel Time Ratio (PHTTR) of each reporting segment for the full extent in urbanized areas of > 1 million: 1. Interstate NHS 2. Non-Interstate NHS		<u>THRESHOLD</u> PHTTR < 1.50 for the reporting segment = reliable	MEASURES Percent of each system in urbanized areas where peak hour travel times meet expectations
Interstate Example	30 sec (longest)/ 25 sec (desired) <b>PHTTR = 1.20</b>		1.20 < 1.50 = Met Expectations	800 miles met expectations/ 1,000 total miles = <b>80.0%</b>

# Calculating Peak Hour Travel Time Ratio Metric

Gather travel times in 5-minute bins, for each segment and each period, for the full year

#### 0.500 mi. segment (eastbound travel)



All 5-min bins, 6 time

periods

Full Year (Jan 1-Dec 31)

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1	_	-	

5-minute bins		Avg Travel Time (EB)		
(up	to 61,488 per year)	All Traffic (sec)		
Feb 3	6:00 – 6:05am	26		
Feb 3	6:05 – 6:10am	28		
Feb 3	6:10 – 6:15am	36		
Feb 3	6:15 – 6:20am	37		
Feb 3 6:20 – 6:25am		36		

Nov 7	6:25 – 6:30pm	27
Nov 7	6:30 – 6:35pm	15
Nov 7	6:35 – 6:40pm	
Nov 7	6:40 – 6:45pm	25
Nov 7	6:45 – 6:50pm	26



# Calculating Peak Hour Travel Time Ratio Metric

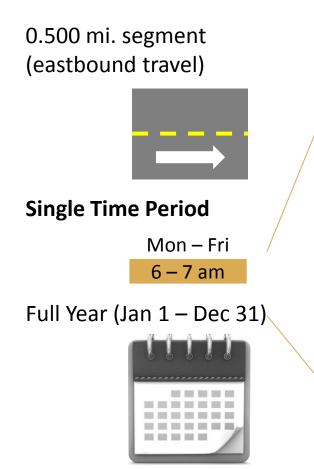
Gather travel times in 5-minute bins, for each segment and each period, for the full year

Travel times equating to speeds less than 2 mph or greater than 100 mph, as well as blank times, should be removed from the calculation of averages.

5-minute bins		Avg Travel Time (EB)	
	5-minute bins	All Traffic (sec)	
Feb 3	6:00 – 6:05am	26	
Feb 3	6:05 – 6:10am	28	
Feb 3	6:10 – 6:15am	36	
Feb 3	6:15 – 6:20am	37	
Feb 3	6:20 – 6:25am	36	
Nov 7	6:25 – 6:30pm	27	
C·30 − 6:35pm		15	
Nov 7	6:35 <del>–</del> 0.40pm		
Nov 7	6:40 – 6:45pm	25	
Nov 7	6:45 – 6:50pm	26	

# Calculating Peak Hour Travel Time Reliability <u>Metric</u>

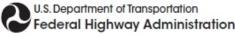
Calculate annual average travel times



/	E .	minute bins	Avg Travel Time (EB)
	5-minute bins		All Traffic (sec)
	Feb 3	6:00 – 6:05am	26
	Feb 3	6:05 – 6:10am	28
	Feb 3	6:10 – 6:15am	36
	Feb 3	6:15 – 6:20am	37
	Feb 3	6:20 – 6:25am	36

Dec 30	6:25 – 6:30pm	27
Avg. Annual Travel Time	6am – 7am Weekdays	= 36 sec*

\* Removed travel times are not included in the average



# Calculating Peak Hour Travel Time Ratio <u>Metric</u>

Identify longest peak hour travel time

Peak Hour Period	Average Annual Travel Time (sec)		
	Segment A	Segment D	
	0.500 mi.	0.250 mi.	
6:00 – 7:00am	37	21	AM Pe
7:00 – 8:00am	39	22	Hours
8:00 – 9:00am	42	20	
4:00 – 5:00pm		23	]
5:00 – 6:00pm			
6:00 – 7:00pm		+	Hours
Longest Peak Hour Travel Time	42	23	



### Calculating Peak Hour Travel Time Ratio <u>Metric</u>

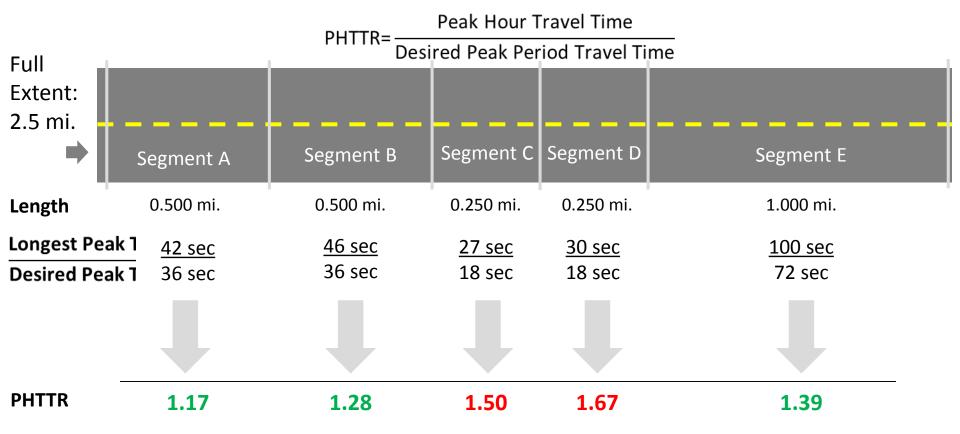
Define desired peak period travel times

Full Extent: 2.5 mi.					
⇒ []	Segment A	Segment B	Segment C	Segment D	Segment E
Length	0.500 mi.	0.500 mi.	0.250 mi.	0.250 mi.	1.000 mi.
Desired Peak Period Speed	50 mph (AM)	50 mph (AM)	50 mph (AM)	50 mph (AM)	50 mph (AM)
(AM/PM)	Travel Time (sec) = $\frac{\text{Length}}{(\text{Speed} \div 60 \div 60)}$				
Desired Peak Period Travel Time (AM/PM)	<b>36 sec</b> (AM)	<b>36 sec</b> (AM)	<b>18 sec</b> (AM)	<b>18 sec</b> (AM)	<b>72 sec</b> (AM)

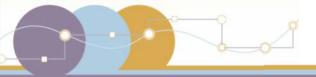


#### Calculating Peak Hour Travel Time Ratio Metric

Calculate the Peak Hour Travel Time Ratio (PHTTR)







#### Calculating Peak Hour Travel Time Measure



2.000 miles met expectations 2.500 total miles = 80.0% Met Expectations





#### Measure vs. Target

Entire Applicable Network

MEASURES Percent of each system in urbanized areas where peak hour travel times meet expectations

### nterstate Example

80.0 % Interstate miles met expectations

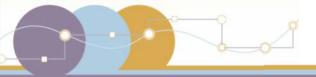
#### **TARGETS**

- 1. % of Interstate System in area that meets expectations
- 2. % of non-Interstate NHS that meets expectations

Target: 80.0% Actual: 80.0% ✓ Target Achieved



U.S. Department of Transportation Federal Highway Administration



#### Data Submittal Requirements





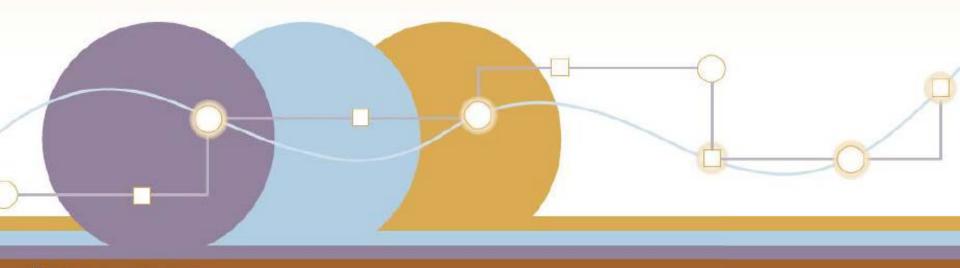
#### Data Submittal Requirements for Metric Calculations

Measure	Data	Submit Data to	Submission Deadline	Extraction Date
Both	<ul> <li>Reference NPMRDS TMC Codes or HPMS Location Referencing</li> </ul>	HPMS	June 15*	August 15
	<ul> <li>NHS Reporting Segments</li> </ul>	HPMS	November 1	
Travel Time Reliability	<ul> <li>LOTTR (each reporting period)</li> <li>80th percentile travel time</li> <li>50th percentile travel time</li> </ul>	HPMS	June 15*	August 15
Peak Hour Travel Time	<ul> <li>PHTTR</li> <li>Peak hour travel time</li> <li>Hour where peak travel time occurred</li> </ul>	HPMS	June 15*	August 15
	<ul><li>Desired peak period travel times</li><li>(AM and PM)</li></ul>	HPMS	November 1	
	<ul><li>Adjusted urbanized area boundaries</li><li>Urbanized area population</li></ul>	HPMS	First Baseline Report	

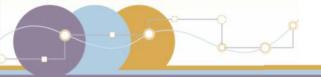
\*Data would be submitted each year for the previous calendar year. For example, on June 15, 2019, data would be submitted for January 2018 – December 2018.



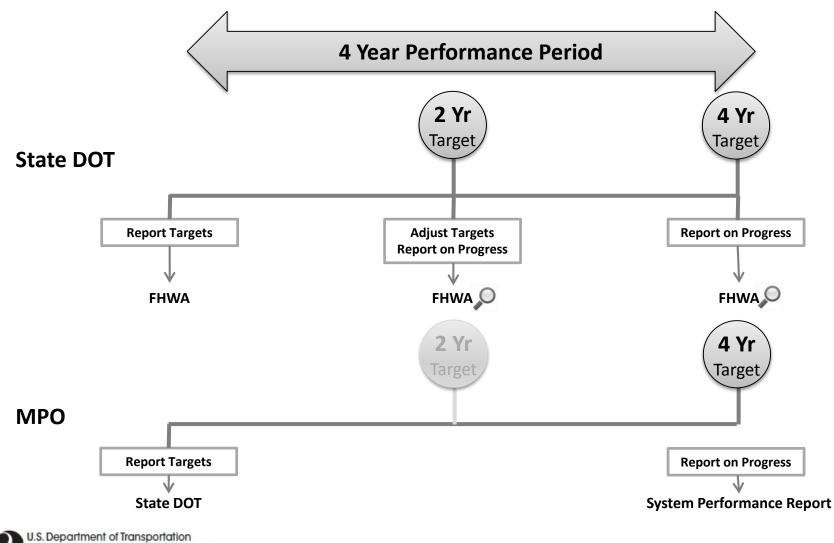
## Target Establishment, Reporting, NHPP & NHFP Significant Progress



U.S. Department of Transportation Federal Highway Administration



#### **Overview**



Federal Highway Administration

**Transportation Performance Management** 

#### **Proposed Establishment of Performance Targets**

State DOTs	<ul> <li>Establish 2-year* and 4-year targets, as applicable <ul> <li>Within 1-year of the effective date of the final rule.</li> </ul> </li> <li>Target adjustment of 4-year target allowed at the mid-point of target period</li> <li>Optional additional urbanized/non-urbanized targets</li> </ul>
MPOs	<ul> <li>Establish 2-year and 4-year targets, as applicable, by either committing to support the State DOT target or establishing a quantifiable target</li> <li>Within 180 days of the State DOT</li> <li>If State DOT adjusts target, any MPO adjustments must occur within 180 days</li> </ul>

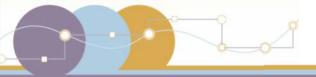
\*<u>Non-Interstate NHS Travel Time Reliability only</u>: 2-year targets not required for 1<sup>st</sup> performance period

Measures to Assess the Congestion Mitigation and Air Quality Improvement (CMAQ) Program

#### Performance of the NHS Target Establishment Summary

Proposed Measures	State DOT Targets	MPO Targets	Performance Period Start Date
Percent of the Interstate System providing for reliable travel times Percent of the non-Interstate NHS providing for reliable travel times	2-year* & 4-year targets (Statewide)	4-year target only (MPA)	January 1, 2018
Percent of the Interstate System in urbanized areas over 1M in population where peak hour travel times meet expectations	Single 2-year & 4-ye	ear targets for each	
Percent of the non-Interstate NHS in urbanized areas over 1M in population where peak hour travel times meet expectations	urbaniz	ed area	January 1, 2018

\*<u>Non-Interstate NHS Travel Time Reliability only</u>: 2-year targets not required for 1<sup>st</sup> performance period



### Reporting



U.S. Department of Transportation Federal Highway Administration



#### Initial State DOT Reporting

Initial State Performance Report (due October 1, 2016)

- Performance where data is available
- Effectiveness of asset management investment strategy for NHS
- Progress toward targets
- Activity to reduce freight bottlenecks



#### State DOT Reporting on Performance Targets

#### Baseline Performance Period Report

- NHS limits
- Adjusted urbanized area boundaries and population data
- Nonattainment and maintenance areas and MPOs' CMAQ Performance Plan\*
- Baseline performance
- 2-year and 4-year targets
- Discussion of congestion at freight bottle necks.
- Relationship to other plans, including freight

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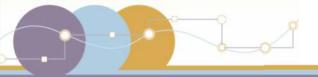
U.S. Department of Transportation Federal Highway Administration Mid Performance Period Progress Report

- 2-year performance
- Progress discussion
- Investment strategy effectiveness
- Adjusted 4-year targets (optional)\*
- Extenuating circumstances\*
- Target achievement discussion\*
- MPOs' CMAQ Performance Plans\*

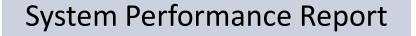
#### \*Only include when applicable

#### Full Performance Period Progress Report

- Same content as Mid Performance Period Progress Report, except:
  - Reporting on 4-year performance
  - No option for adjusted targets



#### MPO Reporting on Performance Targets



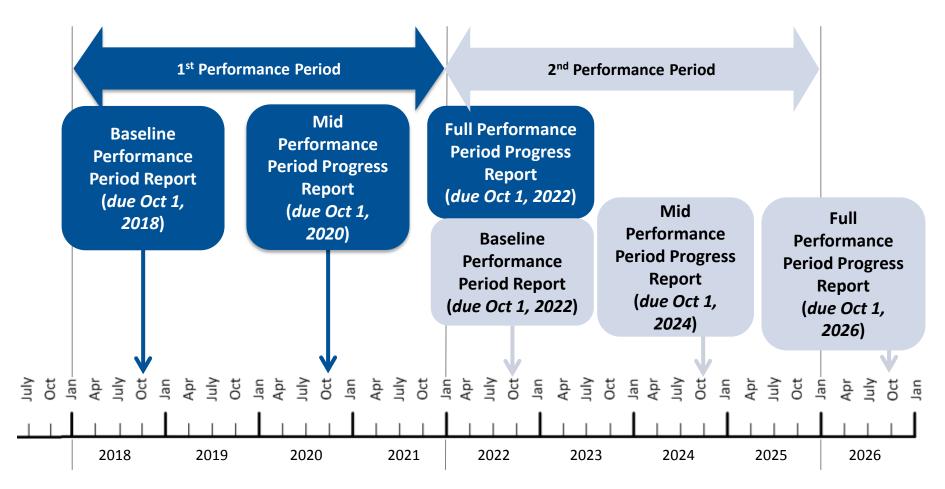
- Part of MPO's Metropolitan
   Transportation Plan (MTP)
- Report baseline performance and progress toward achieving targets

#### **CMAQ** Performance Plan

 Required for MPOs serving a TMA with a population over 1 million with ozone, CO, or PM nonattainment and maintenance areas

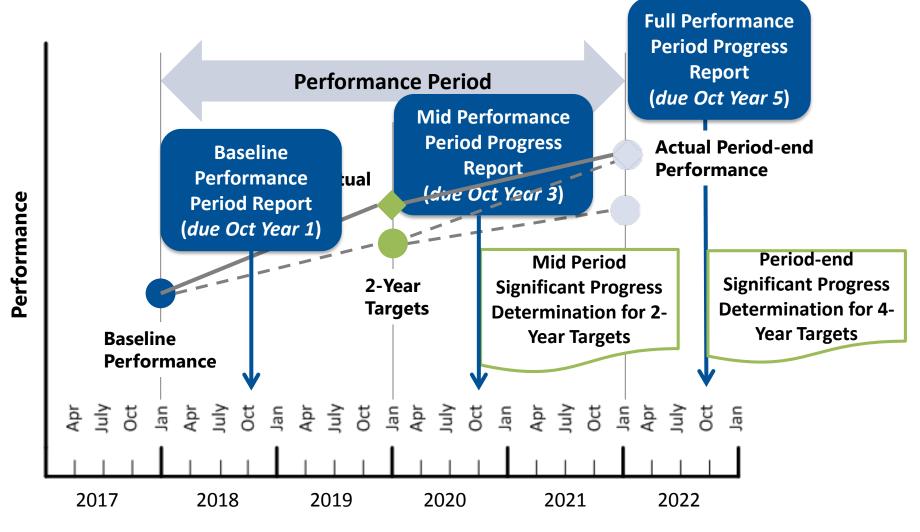


#### **Timeline for Biennial Performance Reporting**



U.S. Department of Transportation Federal Highway Administration Performance Data Collection Period Measures to Assess Performance of the NHS **Transportation Performance Management** 

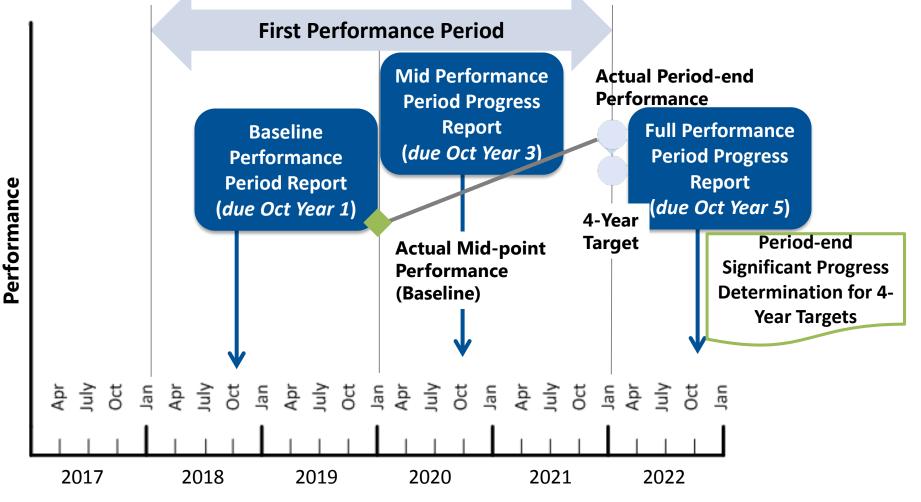
**Example Full Performance Period Progress Reporting** 



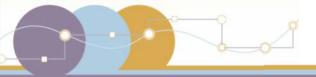
**Transportation Performance Management** 

#### Non-Interstate NHS Travel Time Reliability:

1<sup>st</sup> Performance Period Progress Reporting



U.S. Department of Transportation Federal Highway Administration



## Significant Progress



U.S. Department of Transportation Federal Highway Administration

# Assessing Significant Progress Toward Achieving <u>NHPP</u> Targets

NPRM Subpart	Group	Proposed Measures	Sig. Progress
Subpart C - Pavement Condition	Inter- state	Percentage of pavements of the Interstate System in Good condition	
	Int sta	Percentage of pavements of the Interstate System in Poor condition	NHPP
	non- <b>Inter-</b> state NHS	Percentage of pavements of the non-Interstate NHS in Good condition	
	non-l state	Percentage of pavements of the non-Interstate NHS in Poor condition	
Subpart D -	ge d.	Percentage of NHS Bridges Classified as in Good Condition	
NHS Bridge Condition	Bridge Cond.	Percentage of NHS Bridges Classified as in Poor Condition	NHPP
Subpart E -	Time oility	Percent of the Interstate System providing for Reliable Travel Times	
Performance of the	Travel Time Reliability	Percent of the non-Interstate NHS providing for Reliable Travel Times	NHPP
National	r e	Percent of the Interstate System where Peak Hour Travel Times meet	
Highway	l Tin	expectations	NHPP
System (NHS)	Peak Hour Travel Time	Percent of non-Interstate NHS where Peak Hour Travel Times meet	
		expectations	



# Assessing Significant Progress Toward Achieving <u>NHPP</u> Targets

NPRM Subpart	Gro	oup	Proposed Measures	Sig. Progress
the National Highway	Travel Time	Reliability	Percent of the Interstate System providing for Reliable Travel Times Percent of the non-Interstate NHS providing for Reliable Travel Times	NHPP
	Peak Hour	Travel Time	Percent of the Interstate System where Peak Hour Travel Times meet expectations Percent of non-Interstate NHS where Peak Hour Travel Times meet expectations	NHPP



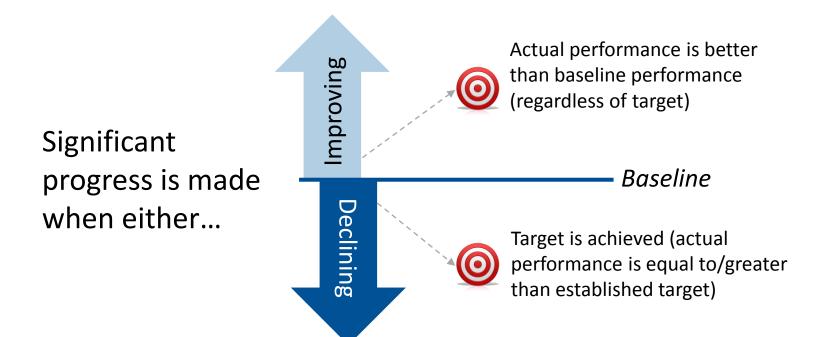
#### Assessing Significant Progress Toward Achieving NHPP Targets

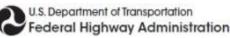
Who	<ul> <li>FHWA determines if a State DOT has made significant progress</li> </ul>
What	<ul> <li>Makes determination for each NHPP target individually</li> </ul>
When	<ul> <li>Assesses significant progress every 2 years</li> </ul>

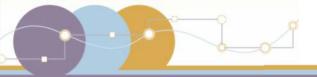
**Consequence:** State DOTs are required to achieve or make significant progress toward their NHPP targets every biennial reporting period (every 2 years), and are to take additional reporting actions if FHWA determines significant progress is not made.



#### Assessing Significant Progress Toward Achieving NHPP Targets







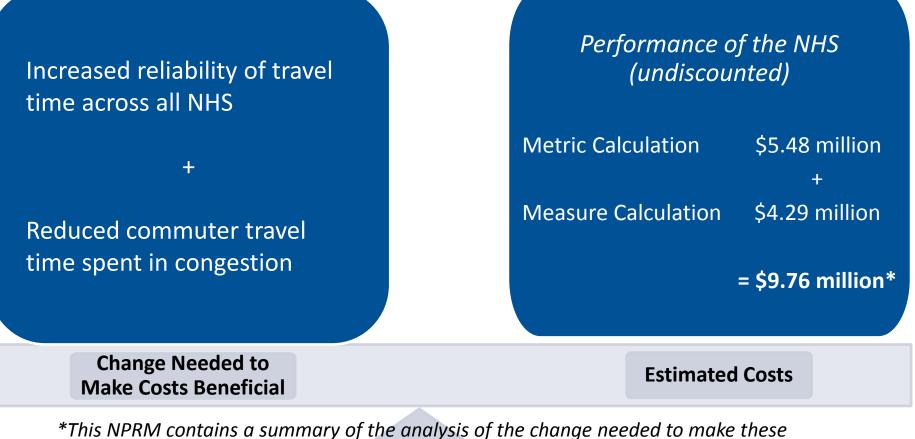
## **Regulatory Impact Analysis (RIA)**



U.S. Department of Transportation Federal Highway Administration

**Transportation Performance Management** 

#### Regulatory Impact Analysis Estimate over 11 Years



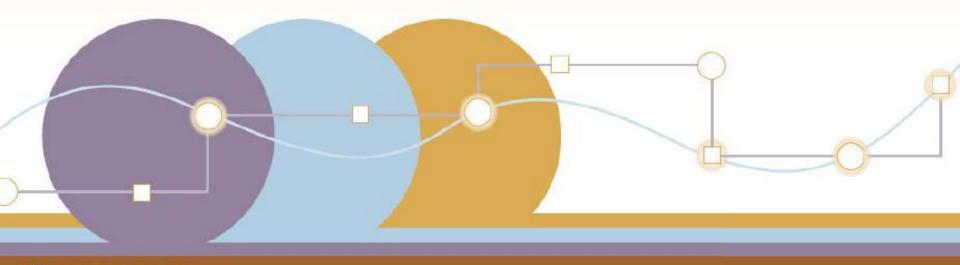
\*This NPRM contains a summary of the analysis of the change needed to make these costs beneficial. Refer to the document in the Docket for full analysis details.



Department of Transportation deral Highway Administration

#### Part 5

#### Summary and Q&A



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#### **Rulemaking Resources**

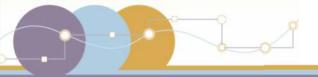
**Office of TPM website:** <u>http://www.fhwa.dot.gov/tpm/</u>

#### **In-Depth Webinars on Proposed Measures**

- 5/3: CMAQ Traffic Congestion and On-Road Mobile Emissions (Subparts G and H)
- TBD: Freight Movement on the Interstate System (Subpart F) Industry Overview

Fact sheets, published NRPMs, webinar registration, and related information at <a href="http://www.fhwa.dot.gov/tpm/rule/pm3">http://www.fhwa.dot.gov/tpm/rule/pm3</a> <a href="http://www.fhwa.dot.gov/tpm/rule/pm3">nprm.cfm</a>





Submit comments to:

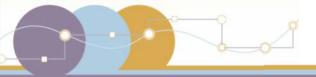
## www.regulations.gov:

## FHWA 2013-0054

## For clarifying questions or more information, please contact:

#### Francine Shaw Whitson <u>FSWhitson@dot.gov</u> <u>PerformanceMeasuresRulemaking@dot.gov</u>





## Thank you!

