

Transportation Performance Management (TPM)

FHWA defines TPM as a strategic approach that uses system information to make investment and policy decisions to achieve national performance goals.

Transportation Performance Management (TPM)

TPM:

- **Is systematically applied, a regular ongoing process**
- **Provides key information to help decision makers allowing them to understand the consequences of investment decisions across transportation assets or modes**
- **Improving communications between decision makers, stakeholders and the traveling public.**
- **Ensuring targets and measures are developed in cooperative partnerships and based on data and objective information**

Transportation Performance Management (TPM)

MAP-21 & FAST Act Performance Elements and TPM Rules



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TPM Elements



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MAP-21 & FAST Act Performance Elements and TPM Rules



TPM Elements	Elements Addressed by Rule			
	Planning	PM 1, 2 & 3	AMP	HSIP
National Goals	✓	✓	✓	
National Measures		✓		
State/MPO Targets	✓	✓		✓
State/MPO Plans	✓		✓	✓
State/MPO Reporting	✓	✓		✓
State/MPO Accountability	✓	✓	✓	



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Measures: Safety (PM1)

Measure Area	Performance Measures
Safety	<ul style="list-style-type: none"> • Number of fatalities • Fatalities per million vehicle miles traveled • Number of serious injuries • Serious injuries per million vehicle miles traveled • Number of non-motorized fatalities and non-motorized serious injuries

The Office of Safety has a website dedicated to this rule:

<https://safety.fhwa.dot.gov/hsip/spm/>



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Measures: Pavement & Bridge Condition (PM2)

Measure Area	Performance Measures
National Performance Management Measures to Assess Pavement Condition	<ul style="list-style-type: none"> • Percentage of pavements of the Interstate System in Good condition • Percentage of pavements of the Interstate System in Poor condition • Percentage of pavements of the non-Interstate NHS in Good condition • Percentage of pavements of the non-Interstate NHS in Poor condition
National Performance Management Measures to Assess Bridge Condition	<ul style="list-style-type: none"> • Percentage of NHS bridges classified as in Good condition • Percentage of NHS bridges classified as in Poor condition



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Measures: System Performance & Freight (PM3)

Measure Area	Performance Measures
Performance of the National Highway System (System Performance)	<ul style="list-style-type: none"> • Interstate Travel Time Reliability Measure: Percent of person-miles traveled on the Interstate that are reliable • Non-Interstate Travel Time Reliability Measure: Percent of person-miles traveled on the non-Interstate NHS that are reliable • GHG Measure: Percent change in tailpipe CO2 emissions on the NHS compared to the calendar year 2017 level
Freight Movement on the Interstate System	<ul style="list-style-type: none"> • Freight Reliability Measure: Truck Travel Time Reliability (TTTR) Index



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Measures: CMAQ Program (PM3)

Measure Area	Performance Measures
Measures to Assess the CMAQ Program: Traffic Congestion	<ul style="list-style-type: none"> • Peak Hour Excessive Delay (PHED) Measure: Annual Hours of Peak Hour Excessive Delay (PHED) Per Capita • Non-Single Occupancy Vehicle Travel (SOV) Measure: Percent of Non-Single Occupancy Vehicle (SOV) Travel
Measure to Assess the CMAQ Program: On-Road Mobile Source Emissions	<ul style="list-style-type: none"> • Emissions Measure: Total Emission Reductions

