

What Does the FHWA Rulemaking on Bridge Performance Measures Mean to You?

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Overview

- Transportation Performance Management (TPM) and MAP-21
- National Performance Management Measures: Assessing Bridge Condition for the National Highway Performance Program (NHPP)
- Establishment of Performance Targets
- Assessing Progress Toward Achieving the Performance Targets

TPM and MAP-21

The cornerstone of MAP-21 is the transition to a performance and outcome-based program.

- MAP-21 instituted new performance and accountability requirements for States to use in prioritizing NHPP projects.
- TPM is a strategic approach that uses system information to make investment and policy decisions to achieve national performance goals.

How will it be implemented?

- National performance goal areas are identified in MAP-21
- US DOT will establish measures with input through rulemaking (anticipated final rule in early 2016)
- States and MPOs set targets that reflect measures
- State and MPO planning process will guide program and project selection to help achieve targets
- States and MPOs report to US DOT on progress toward achieving targets
- US DOT will assess progress toward achieving targets

National Performance Goals - 23 USC §150(b)

- Safety
- **Infrastructure Condition - To maintain the highway infrastructure asset system in a state of good repair**
- Congestion Reduction
- System Reliability
- Freight Movement and Economic Vitality
- Environmental Sustainability
- Reduced Project Delivery Delays

National Performance Management Measures: Assessing Bridge Condition for the National Highway Performance Program (NHPP)

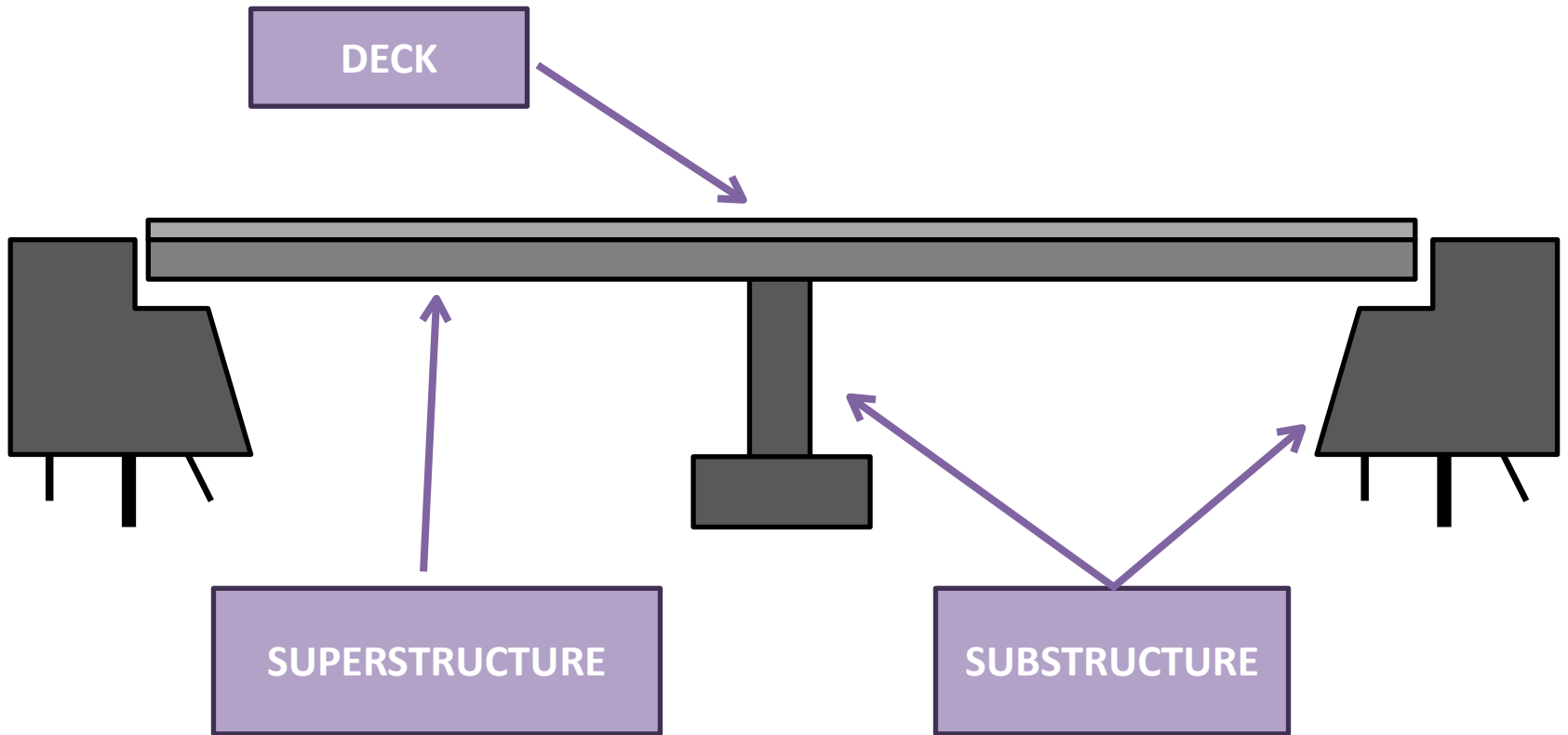
NHS Bridge Condition Performance Measures (490.407)

**Bridge Condition Performance
Measures**

Percentage of NHS Bridges Classified
as in “Good” Condition

Percentage of NHS Bridges Classified
as in “Poor” Condition

Data Sources and Components of a Bridge



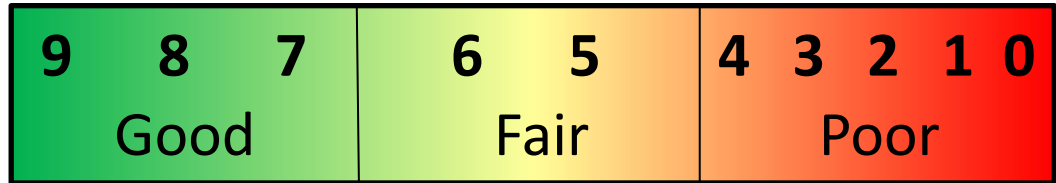
Bridge NBI Items		
Item 58- Deck	Item 59- Superstructure	Item 60- Substructure

Culvert NBI Item
Item 62- Culverts



NBI Bridge Condition Rating Thresholds for NHS Bridges

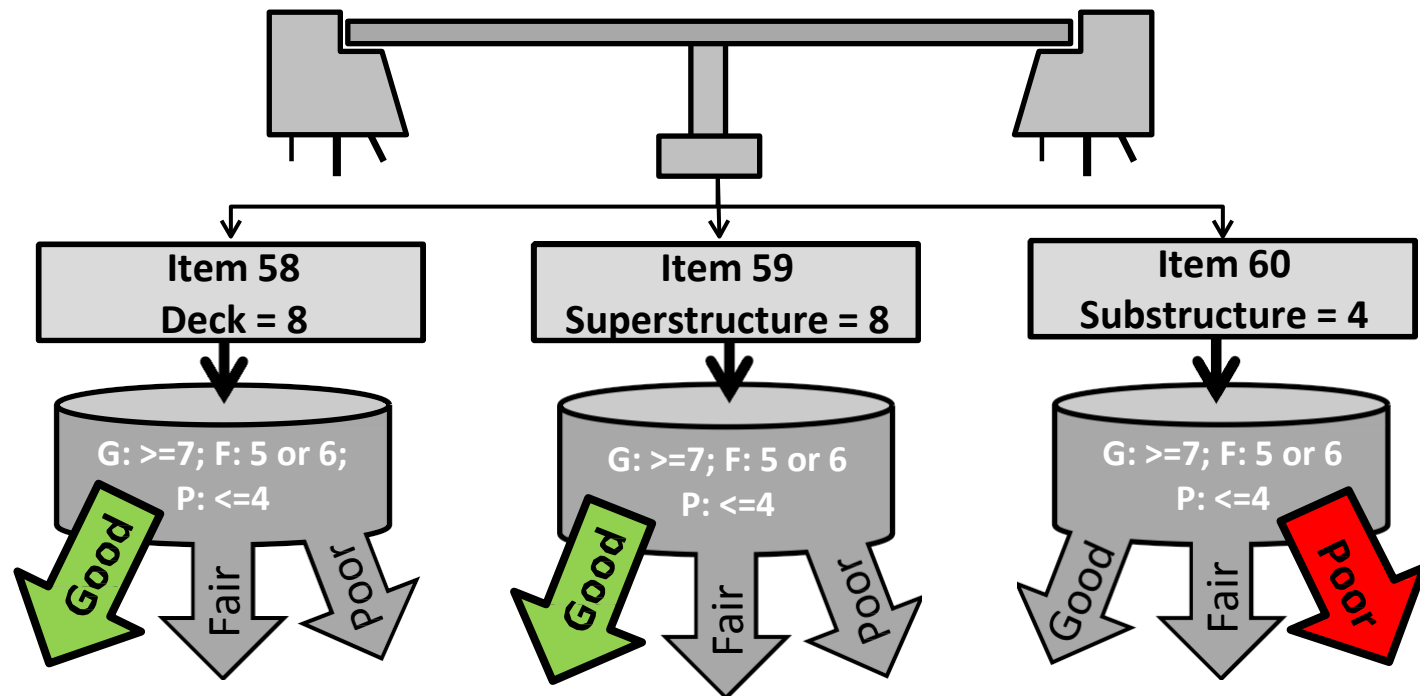
NBI Rating Scale
(from 0 – 9)



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



Bridge Classification Example



Lowest Rating is Poor

Overall Condition Classification = Poor

Calculating NHS Bridge Condition Performance Measures (490.409)

	Structure Type			Measures
	Bridges	Culverts		
Overall Bridge Condition Rating	3 metric classification (58-Deck, 59-Superstructure, 60-Substructure)	1 metric classification (62-Culverts)		
Good	All metrics rated "Good"	Metric rated "Good"		percentage of deck area classified as in "Good" condition
Poor	Any metric rated "Poor"	Metric rated "Poor"		percentage of deck area classified as in "Poor" condition
Fair	Minimum rated metric "Fair"	Metric rated "Fair"		



Establishment of Performance Targets (490.105)

Who

- All States and MPOs establish targets

What

- Targets required for every measure

Where

- Entire NHS network or area regardless of ownership

When

- 4 year performance period to align with biennial reports

Target Reporting: Report 2-year and 4-year targets



Assessing Significant Progress Toward Achieving the Performance Targets for the NHPP (490.109)

Who

- FHWA determines if a State has made significant progress

What

- Make determination for each NHPP target

When

- Assess significant progress every 2 years

Questions