

AASHTO SCOPM Task Force on  
MAP-21 National Performance Measures

## Target-Setting Workshop

Christos Xenophontos, Rhode Island DOT  
Judith Corley-Lay, North Carolina DOT

Pavement Performance Measure Area

Thursday, June 13, 2013

# Pavement Participants



- Tim Barnett, Alabama DOT
- Jean Nehme, Arizona DOT
- Floyd Roehrich, Arizona DOT
- Jessie Jones, Arkansas DOT
- Charles Meyer, Colorado DOT
- Scott Richrath, Colorado DOT
- Colleen Kissane, Connecticut DOT
- Tom Cole, Idaho DOT
- Priscilla Tobias, Illinois DOT
- John Selmer, Iowa DOT
- Allen Myers, Kentucky Transportation Cabinet
- Duane Burnell, Maine DOT
- Joyce Taylor, Maine DOT
- Paul Fernandes, Massachusetts DOT
- Paul Kenney, Massachusetts DOT
- Christopher Lynch, Massachusetts DOT
- Esther Nga, Massachusetts DOT
- Bernie Arseneau, Minnesota DOT
- Brenda Cowin, Minnesota DOT
- Leanna Depue, Missouri DOT
- John Donahue, Missouri DOT
- Fred Zwonechek, Nebraska DOT
- Lou Adams, New York State DOT
- Brad Allen, New York State DOT

# Pavement Participants (continued)



- Rick Bennett, New York State DOT
- Regina Doyle, New York State DOT
- Allan Warde, New York State DOT
- Judith Corley-Lay, North Carolina DOT
- Scott Zainhofsky, North Dakota DOT
- Troy Costales, Oregon DOT
- Christos Xenophontos, Rhode Island DOT
- Terry Pence, Texas DOT
- Robert Hull, Utah DOT
- David Luhr, Washington State DOT
- John Milton, Washington State DOT
- Rich Denbow, AMPO
- Kelly Hardy, AASHTO
- Matt Hardy, AASHTO
- Vicki Schofield, AASHTO

# Pavement Issues and Recommendations



## GENERAL CONCERNS

- Recognize that target setting process is integral to risk based asset management plan (TAMP) development
  - Target-setting involves tradeoffs across assets/program areas
  - Requires a long-term view, need to communicate long term impacts of a less aggressive target/higher need backlog
- The processes for off system/local NHS roads is not in place for monitoring and analyzing the data, no trend line has been established
- Recognize TIP/STIP project cycle – time lag to impact system conditions given existing commitments. Changes to the STIP late in the game may put agency credibility on the line.

# Pavement Issues and Recommendations



## **GENERAL CONCERNS (CONTINUED)**

- Present results in context of: funding, freight flow trends, population growth, weather, local jurisdiction action/inaction, customer survey results, assumptions vs. reality, etc.
- Consequences of failure to meet a target must be carefully weighed – could have unintended consequences
  - affect the attainment of targets in other areas (lack of system-wide view)
  - drive investment decisions to a worst-first strategy

# Pavement Issues and Recommendations



## MEASURE DEFINITION

- Structural Health Index – recognize lack of established definition; variations across states in source data to compute potential index
- Advancement of Structural Health Index: Have a pooled fund study to develop consistent faulting and cracking standards. Intensive effort underway to move forward structural-capacity testing technology/implementation.
- Recognize variations in each state’s internal processes of finalizing results

# Pavement Issues and Recommendations



## **GUIDANCE AND TRAINING NEEDS**

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  - Calibration and certification of measurement equipment
  - Summaries of the latest research on road roughness and its effect on vehicle operating costs

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