HPMS Updates
2012 RPUG Conference

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HPMS Related Updates

*NCHRP 20-24 (82)*

“Increasing Consistency in the Highway Performance Monitoring System for Pavement Reporting”

- Comparison of State Pavement Management data with that from HPMS
- About 1/3 of the way through the project
- Survey of States ongoing
- Next Step Review of 2011 data and comparison to State data
  - Continuous Data vs. Sampling
MAP-21 NHS Changes

• National Highway System (NHS) expansion October 1, 2012

• New NHS to include all Principal Arterial Roadways

• Implications for Pavement data collection
  – IRI reporting required annually for IRI sections (3 year cycle for other roadways)
  – First full data reporting year likely 2013
MAP-21 NHS Changes

Preliminary Comparison of Pre and Post MAP-21 NHS Mileage by State

Median change in 2010 mileage from NHS to ENHS = 35%
Data Consistency

Average HPMS IRI Reporting Lengths
### Data Consistency Example

**IRI Reporting Bins (for Performance Measures):** <95, 95-170, >170

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IRI (in/mi) reporting bins: 87, 92, 100, 122, 75, 178, 111, 90, 91, 115
Example of 2011 IRI Sections
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Coming Attractions

• New Pavement Validations
  – New data model (adopted 2010)
  – Applications of Cross-Checks for New Pavement Items – Cracking, Rutting, Faulting, etc.
  – Expansion of new items is nascent

• Accommodation of Dual Carriageway Systems in HPMS - 2014
  – State plan for data collection required 2013
  – Implications for data reporting TBD
HPMS Software Enhancements
Contact Info

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