R06D  Advanced Methods to Detect Pavement Delamination

Peer Exchange

(August 2, 2018)

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Objectives

- Technology Demo – MnRoads
- Share Field Trial Results
- Share Vendor information
- Hear from other Guests
- Strengthen Partnerships & Communication
- Post SHRP2 Advancement - Brainstorming
CHALLENGE:
Asphalt pavements with delamination problems experience considerable early damage. Rapid detection of the existence and extent of delamination is key for determining appropriate rehab strategies and extending pavement life.

RESEARCH:
Identify and develop NDT technology that can:
• Detect & quantify delamination in HMA
• Operate at reasonable traveling speed
• Cover full-lane width

ROUND 7 Proof-of-Concept Agencies:
• FL, TX, NM, MN, CA & KY
• Focused on field validation and assist in advancement of one or both technologies.
AASHTO R06D Task Order Support till April 30, 2018

- Summary of Peer Exchange
- Final Report of Findings
- Maintenance of Website
For More Information on SHRP2 and R06D

AASHTO: http://shrp2.transportation.org/Pages/R06C_RapidTechnologiesToEnhanceQualityControl.aspx

Presentations and Webinars

- Advanced Methods to Identify Asphalt Pavement Delamination (R06D) Spectral Analysis of Surface Waves (SASW) and Impact Echo (IE)--June 26, 2018
  - A recording of this webinar is available here

- Advanced Methods to Identify Asphalt Pavement Delamination (R06D) Ground Penetrating Radar (GPR)--June 28, 2018
  - A recording of this webinar is available here

Related Materials and Information

- R06D brochure (508 compliant version here)
- R06D fact sheet
- Nondestructive Testing (NDT) product suite webpage
Provide continued support to agencies in advancing efforts post SHRP2.

- FHWA Involvement/Support subject to detailed planning and national interest.
Did we walk away with clear direction on what we as a group want to accomplish Post SHRP2?

- What are our needs (more research, more field validation, spec development, technology advancement, etc.)?
- Future Communication (Working Groups, Peer Exchanges, Webinars, etc.)?
- Who will do what?
Special Thanks

• AASHTO / NCAT
• MN DOT