



FHWA Research Update

**2016 AASHTO Subcommittee on Maintenance
Bridge Technical Working Group**

July 20, 2016

Current Bridge-Related Projects

- **“Effective Use of Geospatial Tools in Highway Construction and Maintenance”**—Study on UAV and other related technologies specifically in context of highway construction and maintenance. Focus on identifying barriers to use, and a framework for implementation. Will be completed in 2017.
- **“Integrating 3D Digital Models into Asset Management”**—Investigates integration of maintenance and asset management information for highway infrastructure into 3D CIM modeling. Project underway, will be complete in 2017.

Current Bridge-Related Projects

- **“Determining Highway Asset and Data Inclusion in an Asset Management System”--**
Provide guidance for a DOT to determine what assets, and asset data, to capture that focus on a long-term, sustainable infrastructure investment strategy. The outcome will be decision guidance that is comprehensive, yet flexible, to help the agency determine what assets, and what asset data, are worth tracking for their particular agency.



Transportation Asset Preservation Portal

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What is it?

- A new proposed pooled-fund project
- FHWA lead is Raj Aileny
- An internet Portal that will provide a repository of State practices for preservation and preventive maintenance actions.
- Will start with bridge maintenance information, later expanded to other assets

How will it work?

- Information will be accessible in the context/format of
 - Defect—what is the problem?
 - Cause—how did this happen?
 - Action—how do we remedy this problem?
 - Cost—how much will it cost to fix?

How will this be implemented?

- Pooled fund project
- Chris Keegan will be lead
- Development of web portal will be contracted
- Once pooled fund is stood up and funded, Washington will solicit for contractor

Who is heading this up?

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Thank You!

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