Beyond Pavement & Bridges
Conference Track Summary

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9th National Conference on Transportation Asset Management
Innovative Approaches

- Colorado DOT, Scott Richrath
  - Successfully implementing asset management using cross-asset optimization
  - Developing buy-in from the entire organization
  - Not just a top down approach; but buy-in from district and other offices as well

- Kentucky DOT, Tracy Nowaczyk
  - Using federal requirement (sign management for retro-reflectivity) for implementing a strategic TAM approach across the agency
  - Developed buy-in from senior leadership to district offices

- Las Vegas RTD, Mark Chang
  - Development of a 20-year Cost Model for sign management
  - Assessment of 5 MUTCD Sign Management Methods
Innovative Approaches

- **TAM Maturity Models**
  - Larissa James, Port of Melbourne—Organization moving from Chaos to Strategic TAM
    - Tactical plans versus strategic priorities
  - Colorado DOT—Use of TAM to focus on programs and not individual projects

- **Use of Technology for Data Collection**
  - Smart phones and vehicles as mobile probes to collect information on asset inventories and condition
    - Kentucky DOT—SignClick, Mobile OMS
    - VDOT—Safety data vehicle
    - Colorado DOT—Earthmine
  - Cost to initially collect the data and update it
  - How long until the data become stale or obsolete?

- **Cross-fertilization with other industries and organizations**
  - Airports—ACRP report on asset management for airports.
  - Ports and marine
  - Private sector—PAS 55, ISO 1700 Standards
Action Items (1)

- Develop Implementation Plan for NCHRP 14-24, *Playbook for Communicating the Value of Preservation and Maintenance*
  - Successful workshop, lots of positive feedback
  - Important topic
- Cast a wider net regarding involvement of the asset management players
  - Transit, airports, private sector
  - Cross pollinate with other industries
- Assess PAS 55/ISO Asset Management Standard
  - How is this applicable to state DOTs?
- Develop guidance, best practices, templates regarding TAM Plans
Action Items (2)

- Addressing competency and cultural change associated with asset management
  - Change management
  - Capacity building
- Technology 1: Better Understand the integration of GIS and TAM
  - NCHRP FY2012 project on GIS and Asset Management
  - GIS for Strategic Asset management Group
- Technology 2: Identify existing automated data collection tools for system-wide condition assessment.
  - Rapidly changing field and technology evolves very quickly.
  - Crowd sourcing of asset condition (e.g., potholes, rough roads)
  - Build off of previous conference in 2008/2009
Action Items (3)

- Provide guidance on the application of Scenario Planning technique for TAM
  - Summer 2012 Scenario Planning Peer Exchange
  - More robust documentation
- Develop a Data Dictionary for Asset Management
  - What are the critical assets?
  - Scope, attributes, update frequency, required precision, etc.)
- Incorporating safety into asset management
  - Learn from other agencies and industries (e.g., U.S. EPA)
  - FY2013 NCHRP project on safety and asset management
- Incorporate risk analysis into TAM
Webinar

- Date: July 18, 2012
- Potential speakers
  - Scott Richrath, Colorado DOT: Cross-Asset Optimization
  - Tracy Nowaczyk Kentucky DOT: Sign Management Program and/or Mark Chang, Las Vegas RTD: RTD Sign Management Methodology
  - Larrisa James, GHD Consulting: Asset Management for Airport