



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 (I)

- 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

How are different states doing it?

Is there a common approach or best practice? Guidance

Climate change, seismic activity, critical infrastructure, etc.?

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
 - John Milton, Washington State DOT: Safety and Asset Management