

Making Asset Management a Priority – Lessons Learned

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- Director, Office of Asset Management
- Federal Highway Administration

- WASHTO – 2010
- Bismarck, ND

Managing our Transportation Assets - 2010

- Asset Management and Performance Management
- Document – Beyond the Short Term
 - Successful states use AM principles
- Defining and linking the processes
- Bridge Management and Preservation
- Pavement Management and Preservation

Managing our Transportation Assets - 2010

- Defining – State of Good Repair
- What constitutes ‘good’ ‘fair’ and ‘poor’?
- What tools does State DOT use to make investment decisions?
- What policies, guiding principles, what level of the organization?
- HPMS? PMS? PONTIS? BMS?
- What tools are used to measure performance of individual assets or the overall system?

Managing our Transportation Assets - 2010

- Highway Performance Tool – Iowa, Missouri
- I-95 Corridor Assessment – Pavement and Bridges – VA, MD, DE
- Health Index – System Condition
 - IRI, Cracking, Rutting, Faulting, ??????
 - Composite index?
 - 6-7 templates – test and evaluation
- New HIPAT tool for FHWA to visually display HPMS, NBI, Safety, Freight data

Transportation Asset Management

Ongoing Research

- An Asset Management Template for the Interstate – NCHRP 20-74 completed
- Supplement to the AASHTO Transportation Asset Management Guide: A Focus on Implementation, NCHRP 8-69 completed
- Decision Making for Outsourcing and Privatization of Vehicle and Equipment Fleet Maintenance, NCHRP 13-03
- Transportation System Performance Management Programs – Insight from Practitioners, NCHRP 08-62

AASHTO Asset Management Guide – Volume 2, A Focus on Implementation

- The NCHRP 08-69A Research project “Asset Management Guide – Volume 2 – “A Focus on Implementation” is the result of three problem statements submitted to TRB in September of 2006 by the AASHTO Subcommittee on Asset Management.
- A great deal of work has been done by the eleven member research panel, the TRB staff and the very capable consultants, AECOM and Spypond Partners.

AASHTO Asset Management Guide – Volume 2, A Focus on Implementation

- AASHTO Asset Management Subcommittee has undertaken the responsibility of the TAM Guides.
- Coordinating the roll-out of the Guide – Volume 2.
- Volume 2 builds from the framework presented in Volume 1, including the self-assessment.
- Working with FHWA to develop NHI courses on TAM, undertaking a series of webinars, etc.

AASHTO'S SUBCOMMITTEE ON ASSET MANAGEMENT

July 2010

Director Kirk T. Steudle
Michigan DOT

AMERICAN ASSOCIATION OF
STATE HIGHWAY AND
TRANSPORTATION OFFICIALS

AASHTO
THE VOICE OF TRANSPORTATION

Chair, AASHTO
Subcommittee on Asset
Management

Chair, AASHTO
Standing Committee on
Performance Management

AASHTO Subcommittee on Asset Management

Mission

Advance the State-of-the-Practice of Asset Management in State DOT's to optimize resources utilizing performance based goals and measures regarding operation, preservation, and improvement of transportation systems for member agencies.

Activities to Date – Peer Exchanges

- Provide an opportunity for agencies to share information, showcase their work, and find new ideas
- Most recent Peer Exchanges:
 - Summer 2008 – Inventory and Asset Management of other Asset Classes
 - Summer 2009 – Asset Management and Management of Highway Performance
- Upcoming Peer Exchange: Incorporating Performance Management into Asset Management, July 26 – 27, 2010, Chicago

AASHTO Asset Management Guide – Volume 2, A Focus on Implementation

- Important to take advantage of any opportunity to get the message out to the entire Transportation community.
- The Transportation Asset Management approach is the model for the future of Transportation that may very well be a requirement in the next surface transportation bill.

AASHTO Asset Management Guide – Volume 2, A Focus on Implementation

- TAM Addresses 5 Core Questions
 - What is the current state of my assets?
 - What are my required levels of service and performance delivery?
 - Which assets are critical to sustained performance?
 - What are my best investment strategies for operations, maintenance, replacements and improvement?
 - What is my best long-term funding strategy?

AASHTO Asset Management Guide – Volume 2, A Focus on Implementation

- Volume 2 provides guidance for implementing asset management concepts, principles, performance targets, strategies, tools, analysis methods, data collection, and application of management system information based on the framework presented in Volume 1.

AASHTO Asset Management Guide – Volume 2, A Focus on Implementation

Volume 2 includes examples of:

- Use of tools for evaluating return on investment and improving economic efficiency, resource allocation, and budgeting decisions;
- Strategies for enhancing communication and information sharing among decision makers and elected officials; and
- Ways that Enterprise Resource Planning (ERP) systems can effectively support TAM.

AASHTO Asset Management Guide – Volume 2, A Focus on Implementation

- The Guide puts TAM components in one place – tools, plans, techniques, examples and ideas for enhancing TAM.
- 14 management steps – from setting direction, creating alignment and developing the Transportation Asset Management Plan (TAMP), to strengthening processes, systems and data.

AASHTO Asset Management Guide – Volume 2, A Focus on Implementation

- Next Steps
- Document posted on Internet
- Technical Assistance – Technical Guidance
- Webinars – Regional workshops
- On-site technical assistance and executive workshops

Asset Management - 2010

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