

Preserving Pavements

Moving Beyond the Short Term

Midwest Pavement Preservation Partnership

Thomas Van
Federal Highway Administration
October 27, 2011
Bismarck, North Dakota





Most people...find a disorientating mismatch between the long-term nature of their liabilities and the increasingly short-term nature of their assets.

[Howard Davies](#)



Challenges

Congestion



**Freight
Movement**



**Aging
Infrastructure**

ASSET MANAGEMENT



U.S. Department of Transportation
Federal Highway Administration

MOVING THE
AMERICAN
ECONOMY 

National Program:

1. Needed \$\$\$

2. Accountability



Asset Management

“...asset management requires our attention throughout the entire project delivery process...

...once a project is delivered it joins the physical assets of the highway system...

...its service life depends upon the combination of effective design, quality construction, quality of maintenance...”



Rick Capka, former FHWA Administrator



Asset Management

- Extends the life of existing facilities
- Retains the value of an asset and its ability to perform as designed
- Effective Pavement Management provides -
 - Long term cost savings
 - Less disruption to the traveling public
 - Improves the overall network condition



Pavement Management

- Assess the effectiveness of current strategies
- Move beyond just collecting data
- Examine procedures and processes that lead to improved long-term operational performance
- Support research and development
- Protect the investment
- Extending the life of our pavements



Infrastructure Reorganization

- New Focus on Performance Management
- New Office within Infrastructure
 - Policy, Analysis, Data Collection, Assistance
- Re-format Pavement and Asset Management Offices
 - Asset Management, Pavement and Construction



Office of Asset Management, Pavement and Construction

- Effective October 1, 2011
 - Official date – OST Approval
 - Focus on Managed Assets –
 - Integration of Preservation into Design, Materials and Construction
 - Development of performance indicators



Office of Asset Management, Pavement and Construction

- Structure

- Design and Analysis
- Materials
- Asset and Pavement Management
- Construction



Office of Asset Management, Pavement and Construction

- Current initiatives
 - Health Assessment
 - ETG on Automated Cracking / Rutting Detection
 - Pavement Monitoring Guide
 - Peer Exchanges
 - Guidance on Preservation Approaches



Closing Thoughts

- Pavement Management / Pavement Preservation will play an increasingly important role in future years
- Level of sophistication of Pavement Management is more than just PMS or just Preservation
- Emphasis on long-term performance



FHWA Asset Management, Pavement and Construction Points of Contact

- **Suneel Vanikar**
Design and Analysis Team Leader
- **John Bukowski**
Materials Team Leader
- **Steve Gaj**
Asset Management and Pavement Management Team Leader
- **Bryan Cawley**
Construction and Construction Management Team Leader

Preservation Lead Contact:

Thomas Van

Tel: 202-366-1341

Email: thomas.van@dot.gov



FHWA Resource Center, Preservation Points of Contact

- **Stephen Cooper**
Eastern Resource Center, Baltimore
(410) 962-0629
stephen.j.cooper@dot.gov
- **Robert Orthmeyer**
Midwest Resource Center, Chicago
(708) 283-3533
robert.orthmeyer@dot.gov
- **Stephen Mueller**
Western Resource Center, Denver
(720) 963-3213
stephen.mueller@dot.gov

