

Pavement Management

Moving Beyond the Short Term

Rocky Mountain West Pavement
Preservation Partnership

October 4, 2011

Reno, Nevada

Butch Wlaschin
Federal Highway Administration
Washington D.C.



Challenges

Congestion



**Aging
Infrastructure**



**Freight
Movement**

ASSET MANAGEMENT



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
 - Good, fair and poor
 - Health check up
 - FHWA data, State Data, Contractor Data
 - Network analysis tool
 - National Workshop - Detroit



Office of Asset Management, Pavement and Construction

- Current initiatives
 - International Scan
 - June 2011
 - NZ, AU, SW, HO, UK
 - Team – VT, NC, MI, WA, FHWA, APTech
 - International focus on long-life pvmts
 - Financial investment
 - Financial commitment to existing
 - Commitment from senior management



Office of Asset Management, Pavement and Construction

- Current initiatives
 - SHRP2 – Renewal
 - 28 projects
 - \$30+million
 - 4-10 projects nearing completion
 - Precast Concrete, Composite Pvmnts
 - Extending life, preservation



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

