Discussion Areas

- FHWA Briefly
- Federal Funding
- FHWA Role and Focus
  - Oversight Snipit
  - Transportation Performance Management
  - Every Day Counts
FHWA Briefly: Who are we?

- **Money**: About $40B Federal Highway Funds
- **Legislated Mission**: “…provide for a strong and vigorous national economy…” 23 USC 101(b) *(and associated regulations)*
- **What we aspire to**: Improve Mobility on our Nation’s Highways Through National Leadership, Innovation, and Program Delivery.
- **What the public expects**: Safety and fiscal integrity, emergency response...
Federal Funding

• Transportation Reauthorization
  – MAP-21 (FY2013 and FY2014)

• FY2013 Appropriations Act
  – Continuing Resolution - March 27, 2013
  – North Dakota’s Apportionment $239,893,997 [FY2013]
  – North Dakota’s Obligation Limitation is $108,783,843 [49%]
Emergency Relief

2009 - 2011 Emergency Relief Events

Federal ER Funding

- Unobligated: $72,244,263.47
- Obligations: $439,049,823.72
- Expenditures: $320,913,148.71
FHWA Role: Today

A Partner...

In “A Federally Assisted, State Administered Program”
Do these things to avoid pitfalls on Federal-aid contracts:

- Keep your haul tickets (approved contractor daily haul summary is a source document)
- Request and retain material certifications
- Request and retain Buy America certifications
- Meet DBE project goals
- Document field books
- Other contract requirements (FHWA-1273)
FHWA Focus: Transportation Performance Management

http://www.fhwa.dot.gov/tpm/
Performance Elements

• National Goals
• Performance Measures
• Performance Targets
• Performance Plans
• Target Achievement
• Special Performance Rules
• Performance Reporting
### Staged Rule Schedule

<table>
<thead>
<tr>
<th>Measures / Fiscal Year</th>
<th>Safety Measures</th>
<th>Pavement &amp; Bridge Measures</th>
<th>CMAQ, Performance, and Freight Measures</th>
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<td><strong>Status II</strong></td>
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Single Effective Date: Spring 2015
FHWA Focus: Every Day Counts (EDC)

• Shortening Project Delivery
• Accelerating Technology and Innovation Deployment

http://www.fhwa.dot.gov/everydaycounts/
EDC Implementation Teams
North Dakota

• Planning and Environmental Linkages
• In-Lieu Fee and Mitigation Banking
• Flexibility in Utility Relocation and Accommodation
• Warm Mix Asphalt
Warm Mix Asphalt
Warm Mix Asphalt Usage

Percent of Total Asphalt Production in US

source: National Asphalt Pavement Association

- 2009: 4.7%
- 2010: 11.8%
- 2011: ~22%+
- 2012: ~25-30%

DRAFT
Impact of Warm Mix Asphalt

In 2012...

- Savings of over 75 million gallons of fuel during production.
- Reduction of CO2 emissions by 2,000,000 tons. (the equivalent to taking 375,000 vehicles off the road)
Impact of Warm Mix Asphalt

If ALL asphalt paving was Warm Mix Asphalt...

• Savings of over 300 million gallons of fuel during production.
• Reduction of CO2 emissions by 8,000,000 tons. (the equivalent to taking 1,500,000 vehicles off the road)
EDC Phase II

• 3-D Engineered Models for Construction

Photos courtesy of David White, Iowa State University
Thank You!

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Buckle Up, Every Trip, Every Time