



# NDDOT 2011 Construction Conference

March 2011

## FHWA Update

Kevin J. Michel

Structures and Engineering Team Leader

FHWA North Dakota Division

(for Wendall Meyer, Division Administrator)



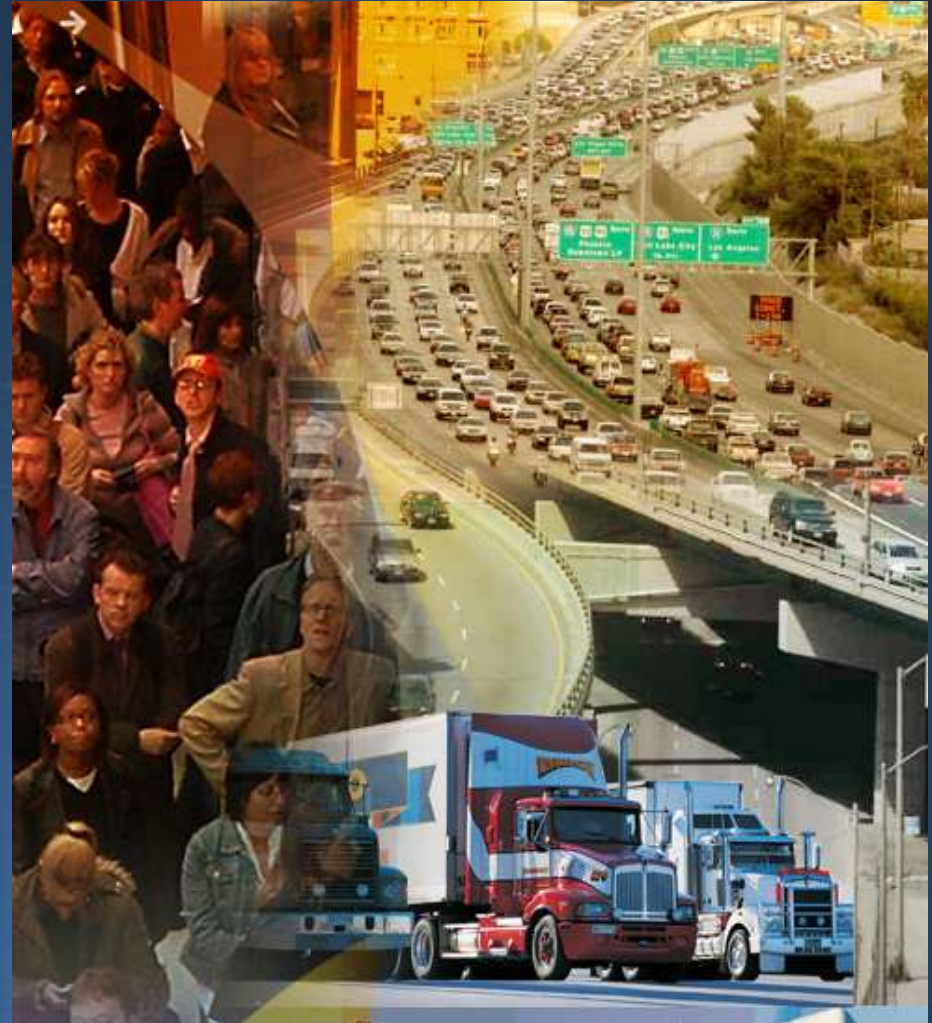
# Discussion Areas

- FHWA Briefly
- Federal Funding
- FHWA Focus
  - Recovery Act
  - Oversight Responsibilities
  - 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...

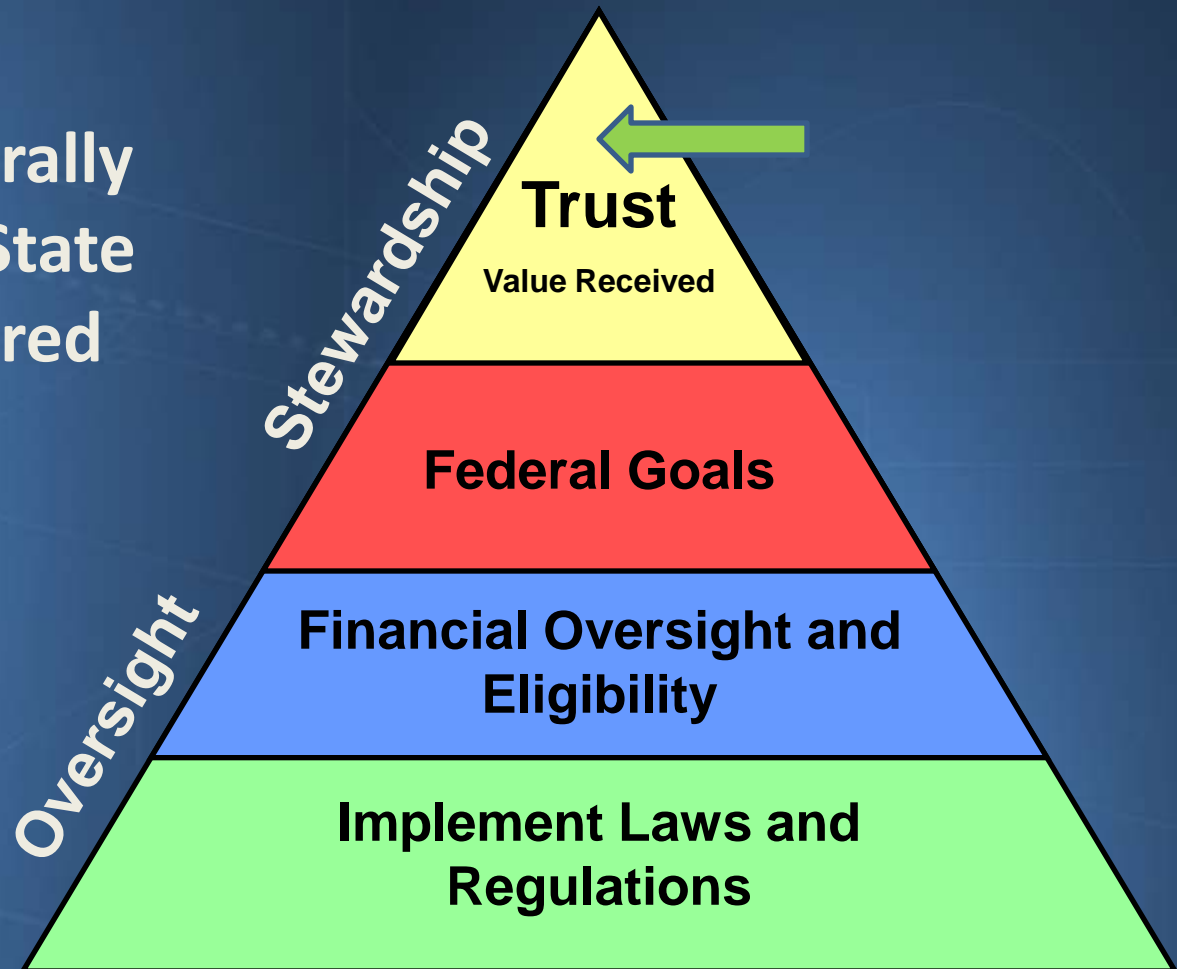




# FHWA: Our Role Today

A Partner...

In “A Federally Assisted, State Administered Program”





# North Dakota Division

**Wendall L. Meyer**  
Division Administrator

**Brian R. Hogge**  
Acting Assistant Division Administrator

**Brenda L. RedWing**  
Assistant Division Administrator  
Effective: 3/27/2011

**Stephanie J. Hickman**  
Transportation Planning and Research Manager  
(Team Leader)

**Kevin J. Michel**  
Structures and Engineering Team Leader

**Sandy A. Zimmer**  
Financial Program Manager  
(Team Leader)

**Nicholas J. Renna**  
Safety/Traffic Operations/ITS Engineer  
Effective: TBD

**Gary A. Goff**  
Operations Engineer  
District s 6 and 8

**Lindsey L. Handel**  
Operations Engineer  
Districts 1, 3 and 5

**Caroline M. Heidt**  
Financial Technician

**Leah M. Wetch**  
Administrative Assistant

**Mark R. Schrader**  
Environment and Right-of-Way Engineer

**Kevin L. Brodie**  
Operations Engineer  
Districts 2, 4, and 7

**Colleen M. Smith**  
PDP – Engineer

**Kari M. Steier**  
PDP - Finance

**Olivia Becker**  
Student Aide

**Kailee J. Ludeke**  
Cartographic Technician



# Structures and Engineering Team

**Kevin J. Michel**  
Structures and  
Engineering Team  
Leader

**Gary A. Goff**  
Operations  
Engineer  
District s 6 and 8

**Lindsey L. Handel**  
Operations  
Engineer  
Districts 1, 3 and 5

**Kevin L. Brodie**  
Operations  
Engineer  
Districts 2, 4, and 7

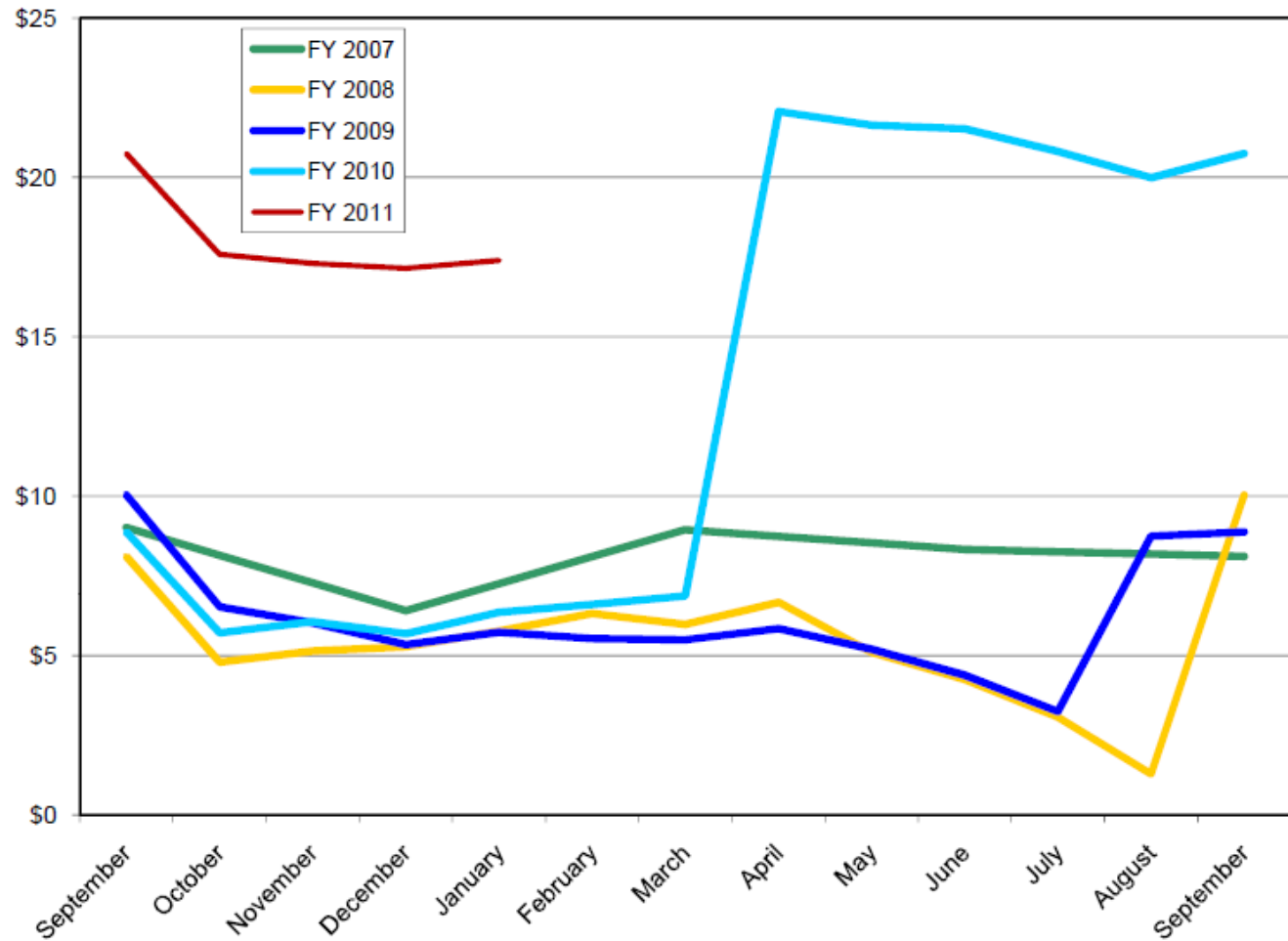
**Colleen M. Smith**  
PDP – Engineer

**Kailee J. Ludeke**  
Cartographic  
Technician



# Federal Funding: Critical Issue

Highway Account Balance  
(billions of dollars)



Ending balance for FY 2008 includes \$8.017 billion transferred from the General Fund in September pursuant to Public Law 110-318.  
Ending balance for FY 2009 includes \$7 billion transferred from the General Fund in August pursuant to Public Law 111-46.  
Ending balance for FY 2010 includes \$14.7 billion transferred from the General Fund in April pursuant to Public Law 111-147.



# Federal Funding: Critical Issue

- Transportation Reauthorization
  - SAFETEA-LU expired September 30, 2009
  - Extension until ~~March 11, 2011~~ **September 30, 2011**
- FY2011 Appropriations Act **March 11, 2011**
  - Continuing Resolution until ~~March 11, 2011~~
  - North Dakota's Obligation Limitation (155 days) is \$95.5 M
- Release of President's 2012 Budget - February 14
  - \$556 Billion 6 year program w/ \$50 Billion up front
  - 48 % increase over SAFETEA-LU



# FHWA Focus: Recovery Act

- 100 percent obligated
  - 168 projects, \$ 170 million
- 68 percent expended (nationwide)
- 91 percent expended (North Dakota)
  - One of seven states with more than 90 percent
- 36 percent projects closed (North Dakota)





# FHWA Focus: Oversight

- Emergency Relief Projects
  - Emergency Repairs (prior FHWA approval not required)
  - Permanent Repairs (must have FHWA approval before work starts unless it is done as part of the Emergency Repairs)
    - ✓ Has FHWA approved the Detailed Damage Inspection Report (DDIR)?
    - ✓ Has FHWA obligated funds (i.e., project authorized)?

<http://www.fhwa.dot.gov/reports/erm/index.cfm>



# FHWA Focus: Oversight

- Full Involvement Projects

## Operations Engineers

**Gary A. Goff**  
Districts 6 and 8  
Gary.Goff@dot.gov

**Lindsey L. Handel**  
Districts 1, 3 and 5  
Lindsey.Handel@dot.gov

**Kevin L. Brodie**  
Districts 2, 4, and 7  
Kevin.Brodie@dot.gov



# FHWA Focus: Oversight

- Maintenance (23 U.S.C. 116)
  - The maintenance requirements apply to all transportation facilities that are constructed with Federal funds. (i.e., roadways, sidewalks, trails, etc.)
  - A public agency must maintain its walkways in an accessible condition, with only isolated or temporary interruptions in accessibility. 28 CFR §35.133. Part of this maintenance obligation includes reasonable snow removal efforts.
    - May need to consider level of service for your assets.



# FHWA Focus: Every Day Counts (EDC)

- Going Greener initiative (internal)
- Shortening Project Delivery (external)
- Accelerating Technology and Innovation Deployment (external)

<http://www.fhwa.dot.gov/everydaycounts/>



# Shortening Project Delivery

- Accelerating Project Delivery Methods
  - Design-build
  - Construction Manager/General Contractor
  - PPP



# Shortening Project Delivery

- Shortening Project Delivery Toolkit
  - Planning & Environmental Linkages
  - Legal Sufficiency Enhancements
  - Expanding Use of Programmatic Agreements
  - Use of In-Lieu Fee and Mitigation Banking
  - Clarifying the Scope of Preliminary Design
  - Flexibilities in ROW
  - Flexibilities in Utility Accommodation and Relocation
  - Enhanced Technical Assistance on Ongoing EISs



# Accelerating Technology and Innovation Deployment

- Warm Mix Asphalt (WMA)



- Prefabricated Bridge Elements (PBE)



- Geosynthetic Reinforced Soil (GRS)



- Safety Edge



- Adaptive Traffic Control Technology (ATCT)





# EDC Implementation Teams North Dakota

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



# Additional EDC Effort North Dakota

- Adaptive Signal Control (research)
- Safety Edge (performance evaluation)
- Clarifying the Scope of Preliminary Design
  - (FHWA Order 6640.1A - FHWA Policy on Permissible Project Related Activities During the NEPA Process)
- Geosynthetic Reinforced Soil (LTAP training)



# Thank You!

Kevin J. Michel  
Structures and Engineering Team Leader  
Federal Highway Administration  
1471 Interstate Loop  
Bismarck, ND 58503

Phone: 701-250-4343 Ext 103  
Email: [Kevin.Michel@dot.gov](mailto:Kevin.Michel@dot.gov)

***Buckle Up, Every Trip, Every Time***