



# EVERY DAY COUNTS (EDC) INITIATIVE

Moe Jamshidi  
2011 PM conference



Federal Highway Administration

# Every Day Counts

Innovation Initiative



## WHAT IS EDC?

- EDC is designed to identify and deploy innovations aimed at shortening project delivery, enhancing the safety of our roadways, and protecting the environment.

*Victor Mendez, FHWA Administrator*

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

# EVERY DAY COUNTS (EDC) INITIATIVE

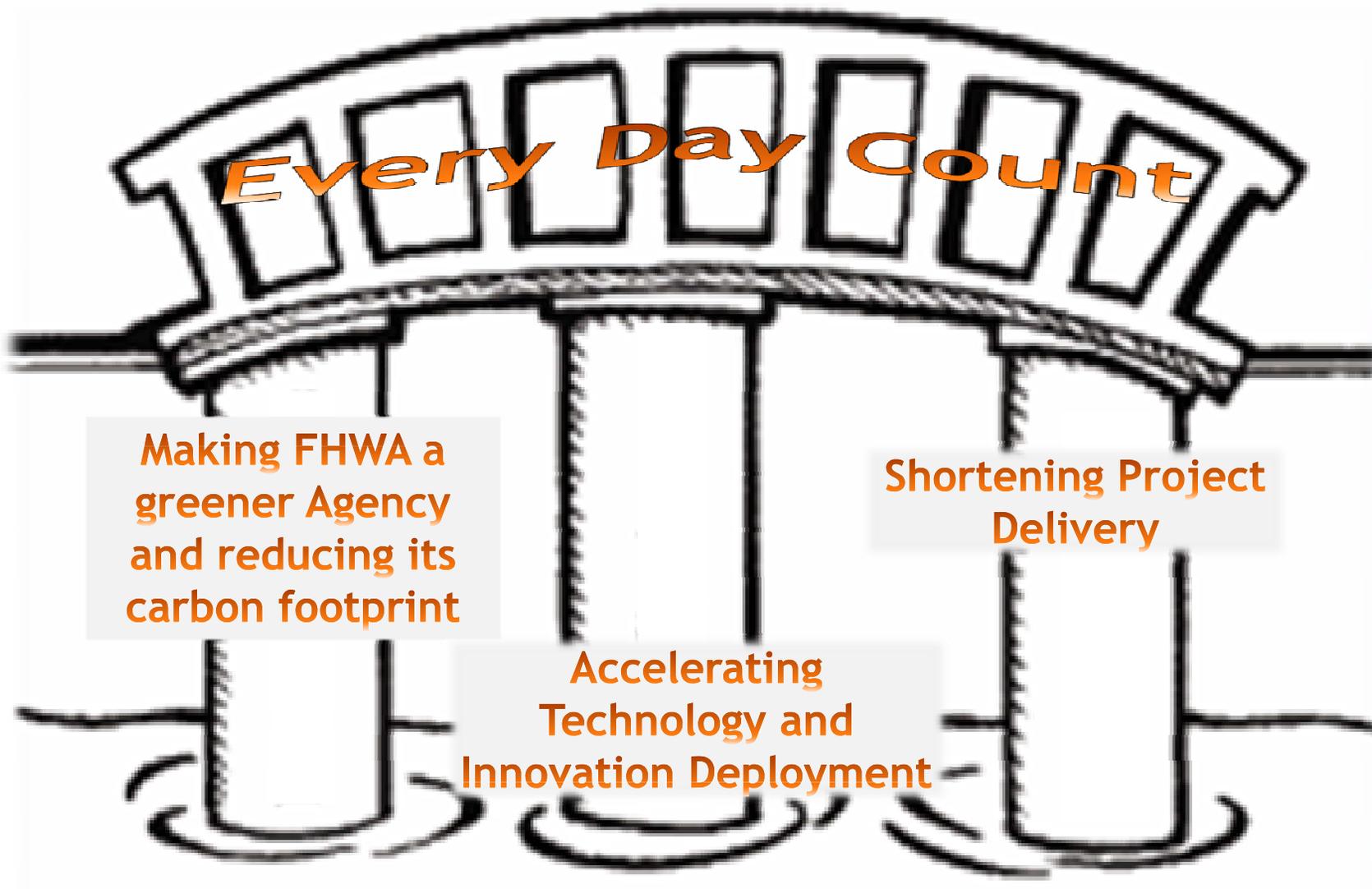
NATIONALLY



LOCALLY



# THE THREE PILLARS



# EDC INITIATIVES

**Accelerating  
Technology  
and  
Innovation  
Deployment**

**Shortening  
Project  
Delivery**





# ACCELERATING TECHNOLOGY AND INNOVATION DEPLOYMENT

Warm Mix  
Asphalt

Prefabricated  
Bridge  
Elements and  
Systems

Adaptive  
Signal  
Control  
Technology

Safety  
Edge

Geosynthetic  
Reinforced  
Soils

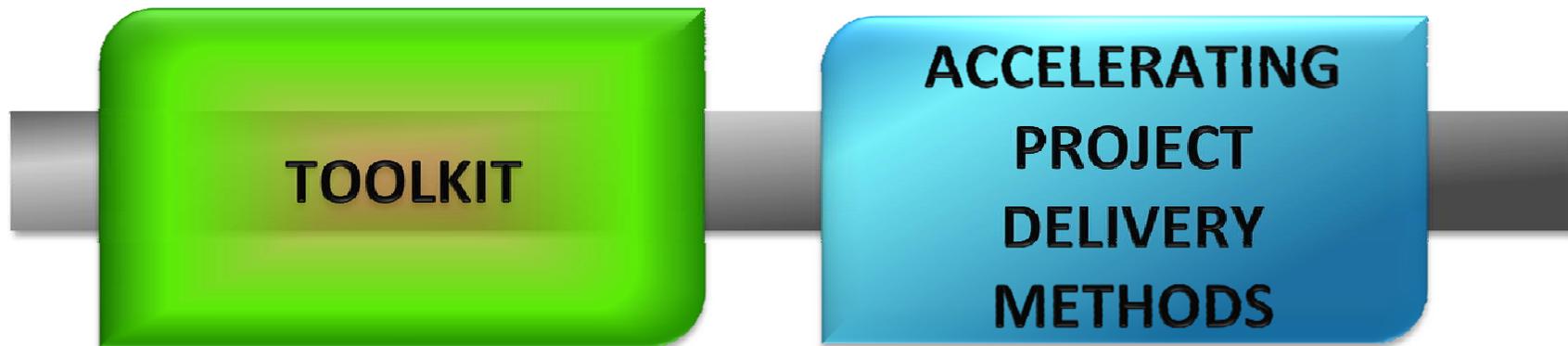


# EDC INITIATIVES

Shortening  
Project  
Delivery



# SHORTENING PROJECT DELIVERY



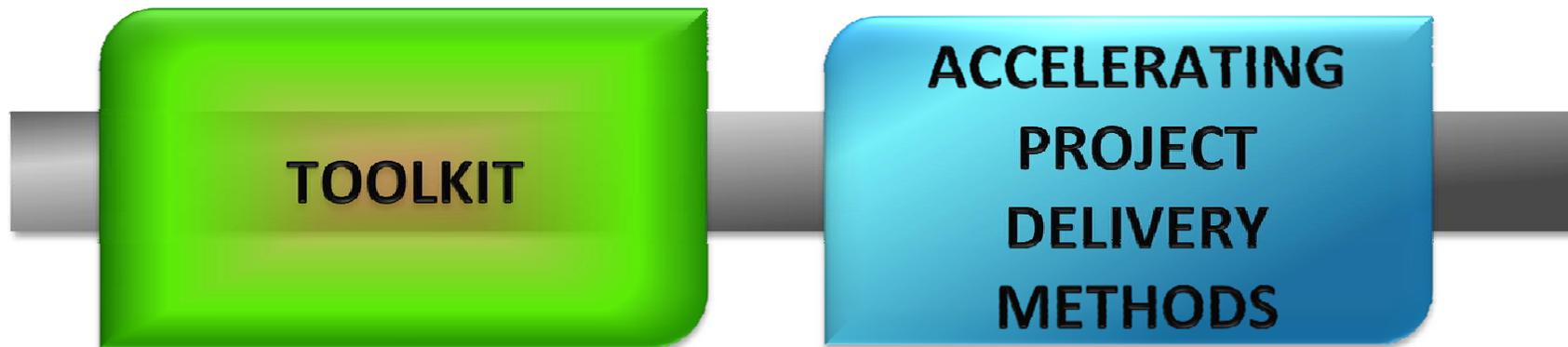
# SHORTENING PROJECT DELIVERY TOOLKIT



- ◉ Planning and 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 Right-of-Way
- ◉ Flexibilities in Utility Accommodation and Relocation
- ◉ Enhanced Technical Assistance on Ongoing EISs



# SHORTENING PROJECT DELIVERY



# ACCELERATING PROJECT DELIVERY METHODS



- ◉ Design-Build (DB)
- ◉ Construction Manager/General Contractor (CM/GC),



# NEBRASKA'S EDC INITIATIVE

- ◉ A group of Nebraska NDOR, FHWA, Contractors, LPA, and Consultants attended a workshop in Minneapolis last October
- ◉ After the workshop a State Implementation Team (SIT) was formed.
- ◉ SIT is now in the process of chartering a number of teams to implement EDC initiatives.

# ACCELERATING TECHNOLOGY AND INNOVATION DEPLOYMENT

- ◉ **Warm Mix Asphalt**
- ◉ Prefabricated Bridge Elements and Systems
- ◉ Adaptive Signal Control Technology
- ◉ **Safety Edge**
- ◉ **Geosynthetic Reinforced Soils**

# WARM MIX ASPHALT



# WARM MIX ASPHALT TEAM

- ◉ Develop and implement a standard specification allowing the use of Warm Mix Asphalt (WMA) as a contractor determined alternative.
- ◉ Present a draft construction specification for WMA by July 1<sup>st</sup>, 2011.
- ◉ Team Champions:  
*Frank Rich, FHWA and Robert Rea, NDOR*

# SAFETY EDGE



Photo Source: FHWA

# SAFETY EDGE TEAM

- ◉ Develop standard plans and specifications for safety edge.
- ◉ Preliminary report and recommendation due by June 1<sup>st</sup>, 2011
- ◉ Team Champions:  
*John Perry, FHWA and Ted Watson, NDOR*

# GEOSYNTHETIC REINFORCED SOILS FOR BRIDGE ABUTMENTS



# GEOSYNTHETIC REINFORCED SOILS FOR BRIDGE ABUTMENTS **TEAM**

- ◉ Determine applicability and feasibility in Nebraska, and develop standards based on FHWA guidance and criteria for suitable use.
- ◉ Prepare draft report, and proposed implementation plan by July 1<sup>st</sup> 2011
- ◉ Team Champions:  
*David Mraz, FHWA and Mark Traynowicz NDOR*

# SHORTENING PROJECT DELIVERY TOOLKIT



- ◉ Planning and Environmental Linkages
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# EXPANDING USE OF PROGRAMMATIC AGREEMENTS *TEAM*

- ◉ Currently Nebraska uses 6 programmatic agreements in the NEPA Process. The goal of this project is to identify other programmatic agreements used in other states and select and implement those that have applicability to the Federal-aid Highway Program in Nebraska.
- ◉ Individual implementation plans and schedules are developed for each of the identified Programmatic Agreements
- ◉ Team Champions: *Raegan Ball, FHWA, and Eric Zach NDOR*

# USE OF IN-LIEU FEE AND MITIGATION BANKING *TEAM*

- Currently NDOR and LPAs must develop project specific mitigation plans if wetland and streams warrant mitigation. Onsite, project specific mitigation plans can be controversial and time consuming to develop. An in-lieu fee of mitigation would address these problems.
- Implementation plan is due at the end of September 2011
- Team Champions: *Melissa Maiefski, FHWA, and Jason Jurgans, NDOR*

# CLARIFYING THE SCOPE OF PRELIMINARY DESIGN *TEAM*

- ◉ Prepare a programmatic agreement between the NDOR and the FHWA that defines preliminary design policies in accordance with FHWA Executive Order, *FHWA Policy on Permissible Project Related Activities During the NEPA process* issued on October 1, 2010
- ◉ Preliminary report and recommendation to the SIT by June 1<sup>st</sup>, 2011
- ◉ Team Champions: *Nick Finch, FHWA, and Christian Davenport, NDOR*

# ENHANCED TECHNICAL ASSISTANCE ON ONGOING EISS *TEAM*

- ◉ Charter has not yet been developed

 **Questions?**

