



EVERY DAY COUNTS
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THE FEDERAL HIGHWAY ADMINISTRATION


Innovative Initiatives Using Existing Laws and Regulations



American Society of Highway Engineers - December 14, 2010



EDC Objectives

- Reduce the time it takes to get a project from conception to construction using existing laws and regulations while focusing on a finite set of initiatives.
 - Make America's highways greener.
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EDC's Three Components or Pillars

- Accelerating Technology and Innovation Development.
- Shortening Project Delivery.
- Accelerated Project Delivery Methods



Pillar 1

Accelerating Technology and Innovation Deployment


- Warm Mix Asphalt
 - Prefabricated Bridge Elements and Systems
 - Adaptive Signal Control Technology
 - Safety Edge
 - Geosynthetic Reinforced Soil
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Accelerating Technology and Innovation Deployment

- Warm Mix Asphalt
 - Generic term for a variety of technologies that allow asphalt to be produced and placed on the road at lower temperatures.
- Prefabricated Bridge Elements and Systems
 - Includes a variety of time consuming task that no longer need to be done sequentially – building systems off site.
- Adaptive Signal Control Technology
 - Adjust the timing of red, yellow and green lights to accommodate changing traffic patterns.



Accelerating Technology and Innovation Deployment Continued

- Safety Edge
 - A simple device that can be used to provide a 30 edge on pavements rather than a vertical drop-off.
 - Geosynthetic Reinforced Soil
 - Alternating layers of compacted granular fill material and fabric sheets of geotextile reinforcement to provide support generally for bridges.
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Pillar 2

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 Technology Assistance on Delayed EISs

Shortening Project Delivery Toolkit


- Planning and Environmental Linkages
 - Incorporates decision made during the planning process into environmental documents.
- Legal Sufficiency Enhancements
 - Consultation with FHWA attorneys at early project decision points to help and avoid problems.
- Expanding Use of Programmatic Agreements
 - Expanded use of programmatic agreements to avoid, minimize and mitigate projects impacts and speed project delivery.

Shortening Project Delivery Toolkit Continued

- Use of In-Lieu Fee and Mitigation Banking
 - Expanded use of in-lieu fees and mitigation banking as allowed under federal and States laws and court decisions to expedite project delivery.
- Clarifying the Scope of Preliminary Design
 - Better definition of projects objectives at an earlier stage of project delivery.
- Flexibilities in Utility Accommodation and Relocation
 - Better us of flexibilities already provided for in statue to expedite ROW activities with other project actions.



Shortening Project Delivery Toolkit Continued

- Flexibilities in Utility Accommodation and Relocation
 - Reduce conflicts between transportation agencies and utility companies through better coordination
 - Enhanced Technical Assistance on Delayed EIS's
 - Providing enhanced FHWA technical assistance when encountering major challenges on ongoing Environmental Impact Statements.
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Pillar 3

Accelerated Project Delivery Methods

- Design Build
 - Construction Manager / General Contractor
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Accelerating Project Delivery Methods

- Design Build
 - Construction Manager/General Contractor
 - Hiring either a general contractor or design firm to serve as construction manager placing responsibilities for design reviews, design modifications, system integration, and construction with a single contractor. Public transportation agencies remain involved to assist in assigning task.
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EDC – The Arizona Connection

- EDC Summit Held in Sacramento California, 14 Representatives From Arizona Attended Summit.
 - Arizona EDC Kickoff
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EDC Summit - Sacramento

- 10 EDC summits held across the country
 - EDC summit for Arizona was held in Sacramento and included the states of Arizona, California, Nevada, and Hawaii and the territory of Guam
 - One and a half day long with the purpose bringing states, resource agencies, and industry partners up to speed on the EDC initiatives.
 - 16 attended from Arizona
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Arizona EDC Kickoff

- Bring together FHWA and State EDC champions (champions assigned to each EDC initiative by Arizona's EDC delegation at the summit) state resource agencies and industry partners to bring them up to speed on the EDC initiatives
 - Develop baseline assessments for each initiative (the status of the various EDC initiatives in Arizona)
 - Prioritize which EDC initiative will be addressed first.
 - Identify next steps.
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Next Steps

- Continue using these and other techniques to accelerate both project development and construction.
- Additional information and training on the EDC initiatives for states and partners. The initial training will be in the form of a series of webinars.
- Implementation of as many of these initiatives as practical here in Arizona.



Questions

EDC Web Site

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