e-Construction Initiative

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What is e-Construction

- FHWA Every Day Counts Initiative
- Paperless contract administration process
  - Electronic submissions
  - E-signatures
  - Digital management of documentation
- Process improvement review
Why should we do this?

• Saves Time and Money
• Improves Communication
• To Do things BETTER!
CCO Routing Process

- Four hard copies mailed
- Project Engineer
- Engineering Supervisor
- Contractor
- Area Engineer
- Region Engineer
- FHWA
- Director of Operations
- Department Secretary

Director of Operations → Department Secretary → Four hard copies mailed → Project Engineer → Engineering Supervisor → Contractor → Area Engineer → Region Engineer → FHWA
CCO Routing Process

The original signed copy

Is

SCANNED AND STORED ELECTRONICALLY!?!
How do we get there?

- Carefully, slowly and methodically
  - Review other DOT’s practices
  - Coordinate internally
  - Develop concept of operations
Things to consider

• Impacts to stakeholders
• Mobile devices
• Document storage
• Firewalls
• Existing systems
• Cost vs anticipated benefit
• Etc.....
The paper shuffle

- Prequalification
- Bid Letting
- Field Operations
- Payrolls
- Subcontractor Approval
E-Construction in SD

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Prequalification
Bid Letting
Field Operations
Payrolls
Sub Approval
Next Steps

• **Initial Planning Meeting**
  – DOT Staff
  – Contractors
  – Consultants
  – City Engineers

• **Brainstorm ideas**

• **Prioritize projects**

• **Assign Champions**
QUESTIONS ANSWERED HERE EVEN THE SILLY ONES