Next Generation Transportation Construction Management Pooled Fund Program

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2015 Subcommittee on Construction
Little Rock, Arkansas
TCM Pooled Fund Background

• Began with TCM Steering Group in 2004
• Funded by FHWA over 6 years
  – Two International TCM Conferences
  – Published a “Risk 101 Guide” and Risk Workshops
  – Published white paper on Alternative Payment and Progress Reporting Methods
  – Coordinated and delivered six webinars

Thanks to Jerry Yakovenko and FHWA Team
Why a TCM Pooled Fund?

- FHWA Pooled Fund Program has existed for more than 25 years
- The Next Generation TCM is the first SOC pooled fund
- Leverages minimal state commitments
- Pooled fund programs allow flexibility and focus not available elsewhere
## TCM - Filling a Construction Technology Transfer Gap between the AASHTO SOC and TRB

### AASHTO Subcommittee on Construction / AASHTO Task Forces
- Annual Meeting
- Section Workplans

### TRB / NCHRP / FHWA Research
- NCHRP Research Reports
- NCHRP Synthesis Program
- FHWA Research
TCM - Filling a Construction Technology Transfer Gap between the AASHTO SOC and TRB

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TCM – Pooled Fund
Sharing experiences and current practices through
- Case Studies
- Reports
- Evaluations
- Web Pages
- Webinars
- Meetings
- Conferences

TRB / NCHRP / FHWA Research
- NCHRP Research Reports
- NCHRP Synthesis Program
- FHWA Research
What is the TCM Scope?

1) Improve the *Efficiency* of the delivery of transportation projects through the use of appropriate project delivery methods, contracting methods and contract management provisions, new technology, etc.

2) Improve the *Quality* of construction through the use of advanced construction management tools, practices, and performance measures

3) Improve *Risk Management* procedures

Thanks to Steve DeWitt and the AASHTO/ARTBA/AGC/ACEC Team
What has the TCM accomplished?

1) Guidebook on Alternative Contracting Methods
2) Construction Engineering and Inspection Practices
3) Community Outreach Best Practices for Accelerated Construction Projects
4) Construction Production Rates for Estimating Contract Time
Guidebook on Alternative Contracting Methods

- Project Description
- Project Goals and Constraints
- Primary Models Considered
- Opportunities / Obstacles
- Project Delivery, Procurement, Payment Decision Report
Construction Engineering and Inspection Practices

- CEI Categories (Activities) Usage
- Estimated Annual Dollar Volume of CEI Consultant Work
- Frequency of CEI Services per Project Size
- Practices or Tools used in Administration of CEI Consultants:
  - Define Scope of Work
  - Selection Process
  - Pre-construction
  - Contract Clarification and Modification
  - Work Execution
  - Payment Administration
  - Monitoring and Inspection
  - Human Resources
  - Closeout Process
- Frequency of Meetings
- Importance of Advantages & Disadvantages
Community Outreach Best Practices

**Outreach Tools**
- Variable sign boards
- Name branding
- Webpages
- Newspaper coverage
- Radio coverage
- Television coverage
- Town hall meetings
- Social media

**Topical Gaps**
- **Outreach Goal**
  - Traffic avoidance
  - Driver awareness
- **Loss of Service**
  - Loss of shoulder
  - 50% capacity loss
  - Full closure
- **Mobility Impact**
  - Tier I - <24 hours
  - Tier V - > 3 months

**Relationships: Efficacy / Cost**
Production Rates for Estimating Contract Time

Objective is to develop a guide and tool to effectively estimate contract time for future construction project.

• Project kickoff this month
• Forming advisory panel now
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You are the TCM Pooled Fund

• Meeting today at 1:00 pm today – Hoffman Room
• Committee is looking for new members
• Suggested contribution is $25k/year for 3 years
• TCM Pooled Fund must renew in 2016 or sunset