Welcome!

We will get started right at 1:00PM
Thank you for joining us! The meeting will begin shortly.

This meeting will be recorded and available online after the meeting.

For Questions

- At the bottom of the window, click **Q&A**.
- When you click on Q&A, a window will appear where you can type a question and see others’ questions.
- DOT.InnovativeProjectDelivery@Illinois.gov
Bridge Bundling
DBE Webinar

More Projects * Faster Investment * Saves Money * Additional DBE Opportunities

Omer Osman
Holly Bieneman
Neil Adams
Carl Puzey
Earl Harrison

09/08/2021
Opening Remarks

Omer Osman
- Secretary of Transportation, Illinois Department of Transportation
The purpose of today’s meeting is to introduce IDOT’s bridge bundling program, as well as engage with industry to solicit and gather feedback and input on how to best structure the program.
IDOT continually seeks innovative solutions to meet the growing transportation needs of Illinois.

Bureau of Innovative Project Delivery or IPD
- Established in 2016
- Identifies, evaluates, and develops projects that may benefit from innovative approaches, including the use of various forms of public-private partnerships ("P3"), and other contracting methods allowable under law.
Innovative Delivery Methods

Traditional delivery (design-bid-build) with bundling will *not* require legislation, also reduces time and cost savings, flexibility for DBE innovations.

Legislation will be required for *innovative, alternative* delivery options; more opportunities to reduce time and cost savings, flexibility for DBE innovations.
Over 3,400 of IDOT’s Bridges (43%) were built over 50 years ago.

- IDOT currently **non-compliant with Federal law** with >10% of National Highway System bridge deck “structurally deficient”
- Increased Rebuild Illinois revenues and traditional delivery approaches **remain insufficient** to meet federal requirements
- **Freight movement is constrained** due to load-posted bridges

Over 1,000 bridges “load posted” in Illinois

Nearly 2,500 structurally deficient bridges in Illinois

- **13%** of the deck area on structures maintained by IDOT are classified as structurally deficient
- **43%** of structures maintained by IDOT are over 50 years old
- **7,859** state bridges have an average age of **44**
- **18,972** local bridges have an average age of **41**
Bridge Bundling Feasibility Study - Overview

Evaluate bundling for state-owned bridges and culverts throughout Illinois to assist IDOT with understanding the benefits and considerations of establishing a bundling demonstration project and ongoing program.

Bridge bundling in Illinois could:

- Complete more projects in less time at lower costs
- Leverage increased revenues to deliver more projects
- Create new, innovative opportunities for DBE engagement and growth

Bundling Works!
How Bundling Works

1. Structures (bridges and culverts) in poor condition are screened to identify and that:
   - Need replacement
   - Technically straight forward
   - Have similar replacement structure characteristics (pier, columns beam, guardrail types)

2. Structures will be prepared for procurements:
   - Level of effort by IDOT will depend on the delivery model selected:
     - DBB: 100% design
     - CMGC: 1-5% design
     - DB & P3: 35% design to secure permits and estimate costs

3. Bundles could be procured based on:
   - Proximity of the structure to one another
   - Capacity of the market to deliver the structures
   - Priorities based on feedback

4. Selection of Best Proposals:
   - Bundles will depend on structure similarity
   - Goal: Contractors quickly deliver multiple projects by minimizing the number of designs and optimizing the ability to apply economies of scale to efficiently construct all of the structures
   - Compared to the traditional delivery (one structure at a time), lower costs should be realized, and the cost savings should be able to grow overtime as the process is repeated
Increased **investment in disadvantaged communities** and across the state via additional projects

Improved **safety and connectivity** of the transportation network

Bundled delivery **reduces costs** due to economies of scale, reducing deferred maintenance, and avoiding cost escalation and inflation; also provides opportunities for reduced staff time

Delivering bundled structures means **additional projects** can be built *now* through Rebuild Illinois
**Timeline**

**Qualitative Analysis**

**COMPLETE**

**Findings:** State structures identified as good candidates for bundling; bundling program could result in significant savings

**Quantitative Analysis**

**ON-GOING**

**Screen** bridges and culverts in poor condition to identify potential structures  
**Prepare** state structures for delivery  
**Develop** bundles across the state in ways that encourage DBE participation

**Procurement**

**As soon as Summer 2022**

**On-Going** stakeholder engagement, including with DBEs, to build awareness of bridge bundling program and solicit input to ensure robust participation
Create new opportunities and work experiences for **DBEs to grow and thrive**

Improve the **safety** of the traveling public

Improve **condition** of the overall bridge inventory

**Expedite** the delivery of bridges and culverts

Ensure **financial stewardship** of public funds

Improve the **connectivity** of the transportation network
Guest Speaker:

Earl Harrison
- President and Owner of Hg Consult, Inc.
- 27 yrs. Industry Experience
- Founded Hg Consult, Inc (2010)
Hg Consult, Inc Overview

Clients
- Missouri Department of Transportation (MoDOT)
- Kansas Department of Transportation (KDOT)
- Other Consultant Firms

Bridge Types
- Rural
- Off-System
- Simple Stream Crossings
- Rehabilitation or Re-deck Design
Pros

- Streamlined Proposal/Selection Process
- Combined Meetings and Field Checks
- Design & Plan Production Efficiencies
- Multiple Bridges = More Backlog (Sustained Staff Levels)

Cons

- Design Complacency (QA/QC)
- Overcome Capacity Perception (Teaming)

"Be Honest & Confident about your Capabilities and take a chance"
IDOT Focus Areas:

- Determine the key factors for successful bundling program by soliciting perspective from DBE community
- Evaluate challenges currently being faced by DBEs
- Explore new opportunities/programs for DBEs via future potential bundling program

Program Goal:
Create new opportunities and work experiences for DBEs to grow and thrive.
Objectives of DBE Outreach and Programmatic Opportunities Under Consideration, subject to FHWA Review and Approval

- Overall: Connect early, often with DBE regarding potential programs
- Coordinate DBE procedures to bundling processes
  - Potential for streamlined requirements
- Increased opportunities for DBEs to be a part of the process
- Increased interaction between DBEs and Prime Firms
  - Mentorship opportunities
  - Project Scoring
  - Targeted DBE participation goals
Small Business Enterprise

- Supportive Services
- HCCTP
- IDOT DBE Program
- Contract Compliance
- DBE Certification
**Bureau Processes**

**Certification**
- Process Cert Apps
- On-site Interviews
- Work Cat. Expansions
- IL UCP Directory
- Follow Up Monitoring
- State & Fed Reporting

**Supportive Services**
- DBE Assistance
- Certification Assistance
- One-on-One Consultations
- Workshops / Annual Conference
- Reimbursement Program
- Business Development Program
- Networking / Outreach

**Compliance**
- U-Plan Review
- Contract Goal Review
- Goal Modifications
- Labor Field Reviews
- Track final payments
- Reconsideration Hearing
10 Resource Centers Statewide: Equipped with computer, Wi-Fi, printer/scanner.

**OFFICE OF BUSINESS & WORKFORCE DIVERSITY**

Pamela Simon, Director
Office of Business & Workforce Diversity

Debra A. Clark, Bureau Chief
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Now we will ask a series of polling questions. Responses to these polling questions will assist IDOT with further developing the Bridge Bundling Program.

**Chat Function:**

- When you click on chat, a window will appear where you can also type responses to the polling questions. Responses will remain anonymous. A member of the project team will be reviewing your responses in the chat.
Polling Question #1

What elements tied to prequalification/ certifications are barriers to participation?

Please respond using the chat
Polling Question #2

Are there other constraints related to financial capacity, bonding, or insurance, that may constrain your ability to participate in a bundling project?

Please respond using the chat
Polling Question #3

What types of incentives/programs would assist with DBE participation?

Please respond using the chat
Questions?

Overall bridge bundling effort? Feedback on DBE webinar and engagement?

For additional feedback or thoughts please feel out the online survey before September 22nd. You can find the survey at:

IDOT.Illinois.gov -> Doing Business -> Innovative Project Delivery or by using the following link.
Next Steps

Compile Results from Industry and DBE Webinars
Industry/DBE Survey (available until 09/22/21)
Risk Assessment
Identify Bundle Structures
Recommend Optimal Delivery Approach
Thank You

For more information and for our survey please see the IDOT Bureau of Innovative Project Delivery Webpage or email the program team at:

DOT.InnovativeProjectDelivery@Illinois.gov