Presentation Agenda

• Bridges Project Overview and Schedule

• Complexities
  - Two States - Twenty Companies
  - High Profile Utility Impacts

• Project Delivery
  - Traditional Project Utility Coordination process
  - Design-Build Project Utility Coordination process

• INDOT East End Crossing Utility Coordination

• Best Practices on Design-Build (or P3) Projects

• Best Practices INDOT processes

• Summary

• Questions
Project Timeline / Schedule

1994
- Began Preliminary Engineering (Before 105 IAC 13)

2003
- Studies, Public Input, Environmental Impact Statement, Preferred Alternatives, Record of Decision 2003
- Lawsuit, Delays, Funding Issues, Updated Cost $4.6 Billion

2011
- Governors plan, Modified Preferred Alternatives, Tolling, Supplemental EIS, Lowered Cost $2.5 Billion
- Alt Project Delivery methods: P3 (INDOT), DBT (KYTC)

2012
- RFQ, Technical Provisions, RFP, Developer Selected

2013
- NTP 1 Begin Final Design; NTP 2 Start Construction

2016
- Complete
COMPLEXITIES

Two States / Twenty Companies

• East End Bridge and Approaches -
  - KY Utility Companies - 6
  - IN Utility Companies - 9
  - INDOT responsible for utility relocations in both states

• Downtown Bridge and Approaches -
  - KY Utility Companies - 11
  - IN Utility Companies - 12
  - KYTC responsible for utility relocations in both states
High Profile Utility Impacts

- **East End Crossing: Bridge and Approaches**

  **Indiana side**
  - City of Jeffersonville private project Dual 18” Force Mains
  - Level 3 Long Haul Fiber Optics
  - AT&T Controlled Temperature Vault
  - Watson Rural Water Company 20” transmission water main
  - CSX and Ports of Indiana Railroads

  **Kentucky side**
  - AT&T Remote Terminal Cabinet
  - LG&E transmission route inside Access Control Line
  - MSD Pump Station and Shadowwood Treatment Plant
  - LWC 60” transmission water main
    - Blasting Mitigation
  - LWC Water Treatment Plant
    - RBI / Pier Placement
    - Sludge Lagoon Study of Options
LWC Sludge Lagoon
High Profile Utility Impacts

• Downtown Crossing: Bridge and Approaches
  Indiana side
  • Seven (7) Fiber Optic Providers
  • Duke 138 KV Transmission Route
  • Insight’s nodes and power supply
  • L&I Railroad

  Kentucky side
  • LG&E Transmission towers
    - Vertical elevation conflict affecting two lattice towers
  • MSD twin 24” force main sewers
    - CCTV all sanitary and combined sewers
    - Designed relocation of twin 24” force mains
  • Insight trunk lines
  • CSX / RJ Corman Railroad (9 structures overhead)
Duke 138Kv Transmission Line
Traditional Project Delivery

- Design
- R/W and Utilities
- Construction
Design Build Project Delivery

Project

State DOT

Design Build Team

Design Phase
R/W & Utilities Authorized

Design and NEPA

Procurement Phase

RFP

Right of Way

Utility Coordination

Design-Build Phase

Design

R/W

Utility Coordination

Construction
INDOT- EEC Utility Coordination

During Procurement Phase

- Reimbursement Letters
- Authorization Letters
- Utility Adjustment Types
  - Adjustments that can be designed and constructed with 30% plans
    - Type 1 - Utility designs and constructs / INDOT pays
  - Adjustments that depends on final plans
    - Type 2 - DBT designs and constructs / DBT pays
    - Type 3 - Utility designs and constructs / DBT pays

- One-on-One Meetings
  - Discussed / Agreed on Utility Adjustment Types
  - Meeting Summaries*
During Procurement Phase (cont.)

- Request for Draft Work Plan*
  - Preliminary plan, schedule and cost estimate

- Preliminary Engineering Agreements
  - To prepare draft work plan based on 30% plans
  - Meet with Proposers

- Type 2 and Type 3 Agreements*

- Kick-off meeting with Proposers and Utility Reps

- NTP with Type 1 Relocations

* information provided to DBT’s
INDOT- EEC Utility Coordination

During Design-Build Phase

• DBT responsible for Utility Coordination
  • Utility Meetings
  • Provide project plans as updated
  • Review Type 1 designs for compatibility
  • Assist in Utility Relocation type 2 and type 3 designs
  • Prepare Agreements
  • Acquire utility easements, if needed

• Coordinate Permit application process
• Complete Type 1 relocations
Best Practices on DB / P3 projects

- Reimbursement
- PE Agreements to perform Studies
- Draft Work Plans
- Proposers - Utility Company Kick-Off Meeting
- Open and frequent dialogue with utility companies
- Relocate utilities in advance, where possible
- Document control and organization
- Agreement Type by Location chart
- Track and Report (PE Agreements, Type 1 status, Expenditures, Bi-weekly update reports)
- Full time Utility Coordinator
Best Practices INDOT processes

- Utility Coordinator
  - Experience
  - Skills, Knowledge and Abilities
  - Attitude
  - Effective communication

- Implementing new INDOT processes
  - Work Plan Approved Letter
  - Notice to Proceed Letter from Utility Coordinator
  - Work Complete Letter
  - 90-day Letter
  - Utility Coordinator “on-point” during construction

- Verification of utility company “Remit To” address
Summary

- Design-Build Projects (P3) in the future
- Utility Coordination a shared responsibility with Developer
- Best Practices will continue to evolve
- Utility Coordinator must be a skilled manager
- Communication is essential with the project owner, utility companies and the stakeholders.
- INDOT Processes are continuing to evolve and improve

Coordination, Communication, Coordination, More Communication..... then Relocation!
Questions

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