Louisville-Southern Indiana Ohio River Bridges Project: How the bridge’s impacts to utilities are being handled.
Presentation Agenda

- Bridges Project Overview
  - Downtown Crossing
  - East End Crossing
- Project Schedule
- Two States - Twenty Companies
- High Profile Utility Impacts
- Traditional Project Utility Coordination process
- Design Build Project Utility Coordination process
  - KYTC Utility Coordination for Downtown Crossing
  - INDOT Utility Coordination for East End Crossing
- Questions
Project Overview
Project Schedule

- April 24, 2012 .... RFQ Selection of qualifying teams
- May 3, 2012 ....... Draft RFP provided to selected teams
- August 1, 2012 .. Final RFP
- October 2012 ..... Proposals due
- Late 2012 .......... Developer Team selected
- Early 2013 .......... Contract execution / Begin final design
- June 30, 2017 .... East End Crossing complete
- June 30, 2018 .... Downtown Crossing complete
Two States / Twenty Companies

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

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

- KYTC and INDOT met
  - Agree permits to be processed in governing state
  - Share policies and procedure manuals
High Profile Utility Impacts

• Downtown Bridge and Approaches
  • 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
  • Seven Fiber Optic Providers
  • Insight’s nodes and power supply
  • City of Jeffersonville Wastewater Pump Station
  • Duke 138 KV Transmission Route
High Profile Utility Impacts

• East End Bridge andApproaches
  • LWC 60” transmission water main
    - Failure Risk Analysis and Construction Mitigation Report
    - Blasting Mitigation
  • LWC Water Treatment Plant
    - RBI / Pier Placement
    - Sludge Lagoon Study of Options
  • AT&T Remote Terminal
  • MSD Pump Station and Shadowwood Treatment Plant
    - Study of Options
  • Level 3 Long Haul Fiber Optics
    - One conflict = 5 miles of relocation
  • AT&T Controlled Temperature Vault
  • Watson Rural Water Company 20” transmission water main
LWC Sludge Lagoon
Traditional Project Approach

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

Project

State DOT

Design Build Team

Design Phase
R/W & Utilities Authorized

Design and NEPA

Procurement Phase

RFP

Right of Way

Design

Utility Coordination

Utility Coordination

Design-Build Phase

R/W

Construction
KYTC - Utility Coordination

During Procurement Phase

- Reimbursement Letters
- Authorization Letters
- Kick-off meeting with DBT’s
- DBT’s have access to Utility Companies
- Engineering Service Agreements (if requested)
  - Meet with DBT’s
  - Coordinate with DBT’s
  - Preliminary engineering
  - Conceptual lay-outs (cost estimate, schedules, etc.,)
INDOT- Utility Coordination

During Procurement Phase

- Reimbursement Letters
- Authorization Letters
- Kick-off meeting with DBT’s
- DBT’s need permission to contact Utility Companies
  - Advance notice required
  - INDOT must be included via conference call or in person

- Utility Adjustment Types
  - Type 1 - work that can be done with 30% plans - INDOT pays
  - Type 2 - work that depends on final plans - DBT controls and pays
  - Type 3 - work that depends on final plans - Utility controls / DBT pays
During Procurement Phase (cont.)

- **One-on-One Meetings**
  - Discussed / Agreed on Utility Adjustment Types
  - Meeting Summaries*

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

- **Preliminary Engineering Agreements**
  - To prepare draft work plan
  - Meet with DBT
  - Consultant Approvals

- **Type 2 and Type 3 Agreements***

- **NTP with Type 1 Relocations**

* information provided to DBT’s
KYTC - Utility Coordination

**During Design-Build Phase**
- DBT responsible for Utility Coordination
- Utility Meetings
- Provide project plans as updated
- Assist in Utility Relocation design lay-outs
- Prepare Agreements
  - Utility Design and Construct
  - Utility Design and DBT Construct
  - DBT Design and Construct
- Coordinate Permit application process
During Design-Build Phase

- DBT responsible for Utility Coordination
- Utility Meetings
- Provide project plans as updated
- Assist in Utility Relocation type 2 and 3 designs
  - LWC Lagoon
- Prepare Agreements
- Acquire utility easements, if needed
- Coordinate Permit application process
- Type 1 relocations complete or relief event
Summary

How the Bridges Impact on Utilities is being handled:

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

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