

LOUISVILLE-SOUTHERN INDIANA OHIO RIVER BRIDGES PROJECT UTILITY COORDINATION PRESENTATION



KYTC Partnering Conference – September 11, 2012
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**Louisville-Southern Indiana Ohio River
Bridges Project: How the bridge's impacts
to utilities are being handled.**



- 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

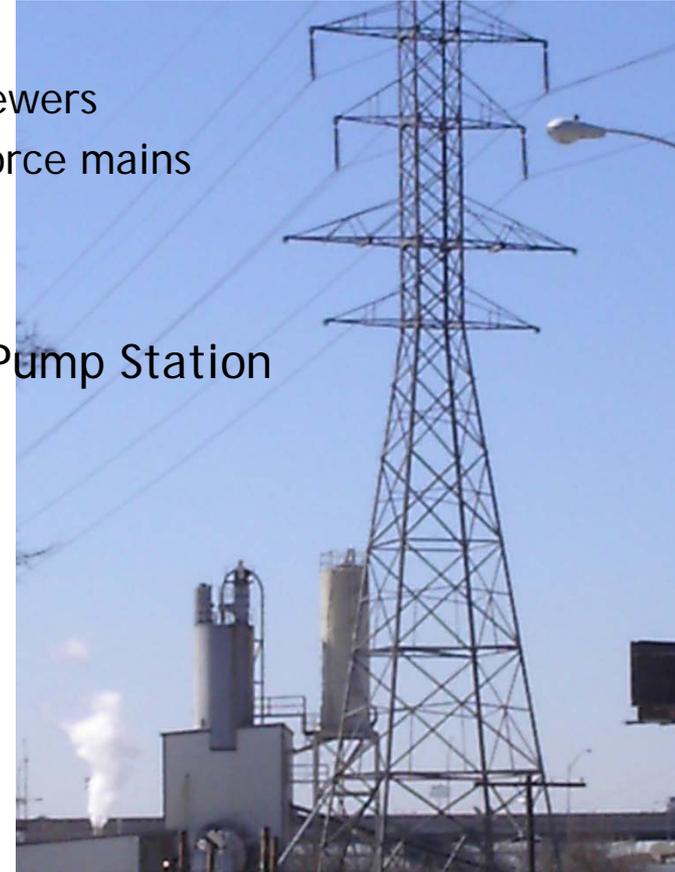
- April 24, 2012 RFQ Selection of qualifying teams
- May 3, 2012 Draft RFP provided to selected teams
- August 1, 2012 .. Final RFP
- October 2012 Proposals due
- Late 2012 Developer Team selected
- Early 2013 Contract execution / Begin final design
- June 30, 2017 East End Crossing complete
- June 30,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

Two States / Twenty Companies



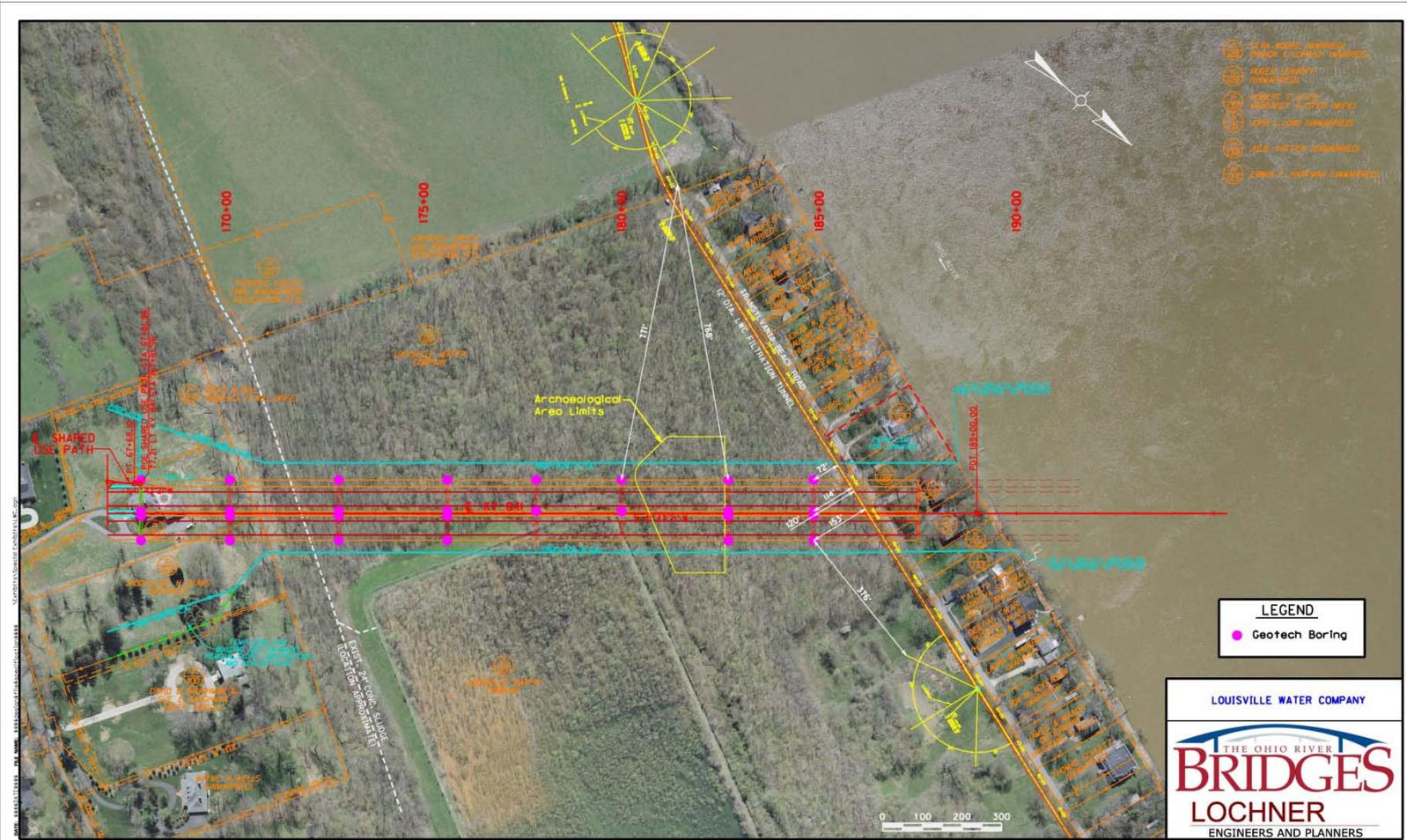
- Downtown Bridge and Approaches -
 - KY Utility Companies - 11
 - IN Utility Companies - 12
 - KYTC responsible for utility relocations in both states
- East End Bridge and Approaches -
 - KY Utility Companies - 6
 - IN Utility Companies - 9
 - INDOT responsible for utility relocations in both states
- KYTC and INDOT met
 - Agree permits to be processed in governing state
 - Share policies and procedure manuals

- 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



- East End Bridge and Approaches
 - 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

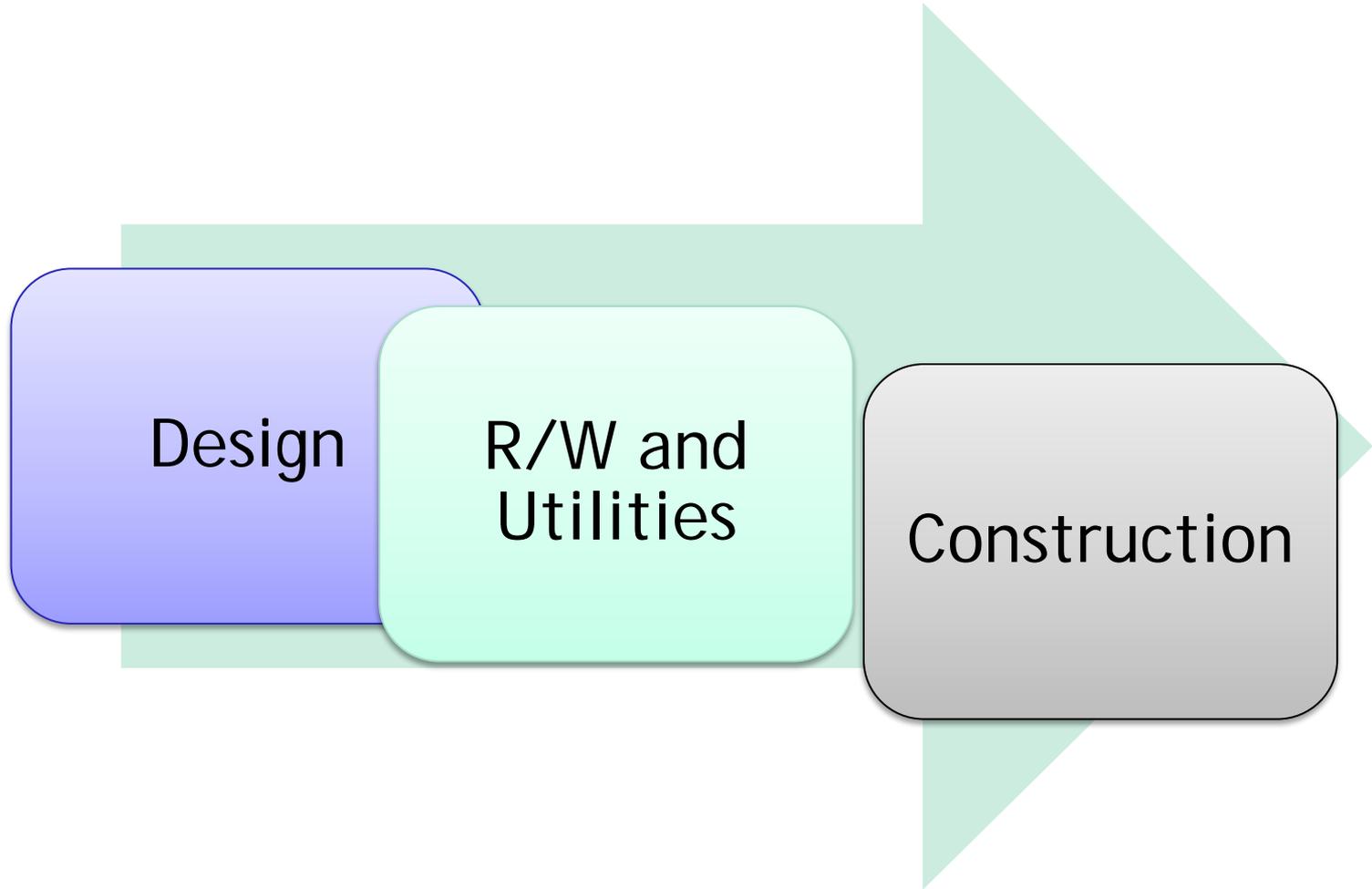


LEGEND
 ● Geotech Boring

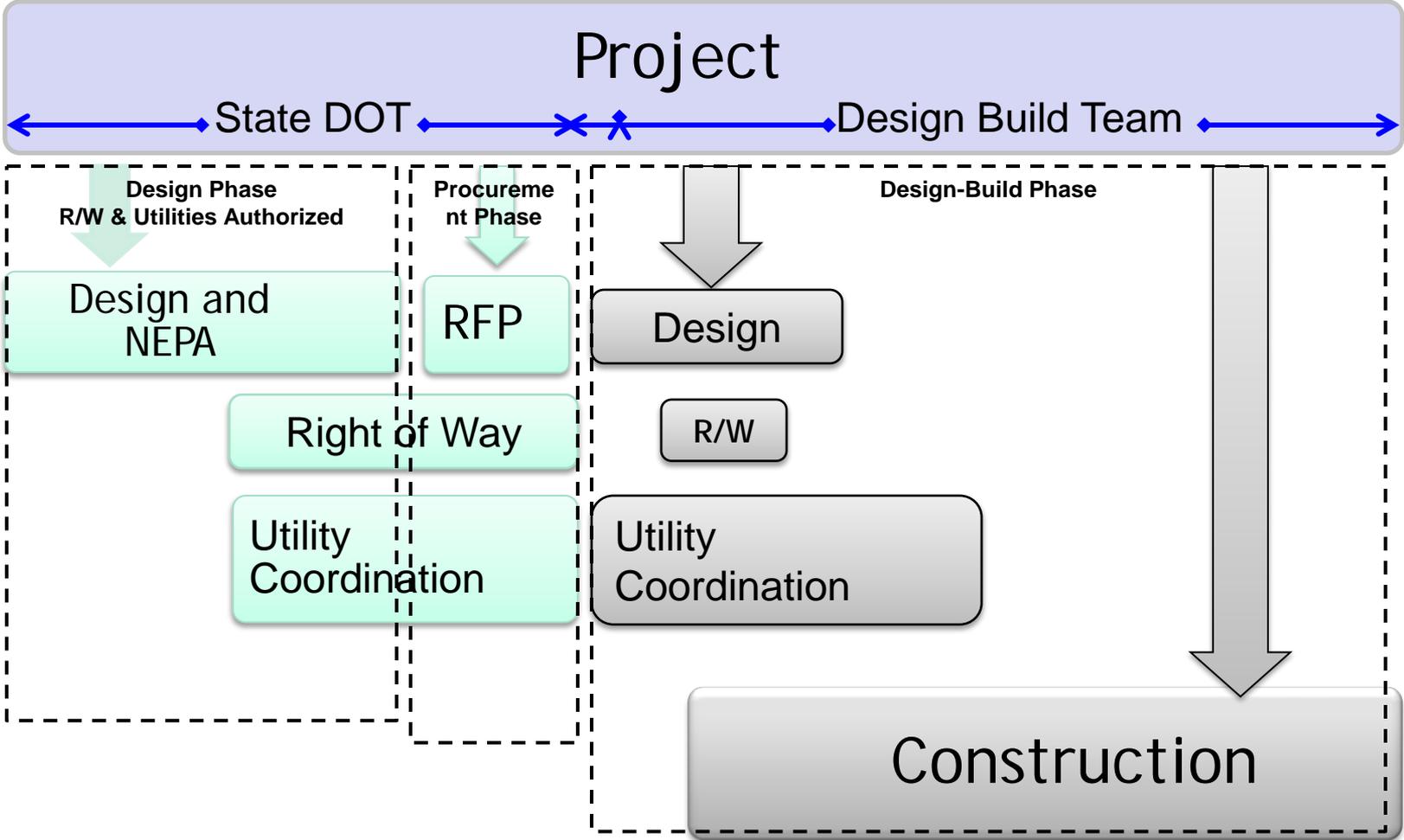
LOUISVILLE WATER COMPANY

LOCHNER
 ENGINEERS AND PLANNERS

Traditional Project Approach



Design Build Project Approach



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,)

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*

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

How the Bridges Impact on Utilities is being handled:

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

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