Project Update
for
Purdue Road School
March 11, 2014
Andy Barber, P.E. – KYTC
Ron Heustis, P.E. - INDOT
Brief History

- 1969
  - Project placed in long range plan

- Fall 2012
  - KYTC & IFA/INDOT announce results
    - Downtown Crossing – D/B Contract (KYTC)
      - Walsh DBT
    - East End Crossing – P3 (IFA/INDOT)
      - WVB East End Partners

- Summer 2013
  - Construction begins
Management Overview

Bi-State Development Agreement

Bi-State Management Team

Downtown Crossing

East End Crossing
East End Crossing
Ron Heustis, Project Manager
P3 Contract Relationships

P3 Owner

Owner Rep & Support

P3 Developer

- PUBLIC-PRIVATE AGREEMENT
  - WVB East End Partners
  - WALSH
  - VINCI Concessions
  - Bilfinger Berger
  - 33-1/3%

- DESIGN-BUILD CONTRACT
  - Walsh-VINCI Construction Joint Venture
  - WALSH
  - VINCI
  - 60%
  - 40%

- DESIGN AGREEMENT
  - LEAD ENGINEERING FIRM
  - JACOBS
Since March 2013

- **March 28**
  - Financial close
  - Private activity bonds sold (WVB)

- **April – May 2013**
  - WVB completed Project Management Plan

- **June 2013**
  - Construction began

- **July 2013 – Feb. 2014**
  - Roadway and tunnel blasting/excavation
  - Main spans tower foundations

Design progressed to 80%
2013 Satellite Photo
Section 6
Indiana Approach
Section 6
Looking from Indiana towards Kentucky
Section 6
Looking North from
Salem Road Bridge
Section 5
Main Spans Bridge
Section 5
Tower 3
Foundation
Section 5
Tower 3
Foundation
Tower 3
Drilled Shaft
Permanent Casings
Tower 3
Shaft Drilling
Tower 3
Drilled Shaft
Resteel Cage
Tower 3
Drilled Shaft
Concrete Placement
http://oxblue.com/open/Walsh-Vinci/ORB-EEC
Section 4
Kentucky Approach
Tunnel
Tunnel Construction Sequence
Open to Traffic – Oct 31, 2016
Challenges in 2013

- **Contractual**
  - Completion of PMP elements by Developer
  - Startup of Developer’s quality management
  - Alignment of document control procedures

- **Stakeholder expectations**
  - Local political coordination and input
  - Local/regional business coordination
  - Coordination with neighborhoods
Meeting the Challenges in 2013

- Contractual
  - Partnering
  - Defending the contract
  - Solving problems at right level

- Stakeholder expectations
  - Listen
  - Respond
  - Be open & transparent
Opportunity

EAST END BRIDGE
Development Property
Downtown Crossing
Andy Barber, Project Manager
Location

[Map of location with labeled points 1 to 6, including Downtown Crossing and East End Crossing.]
Design Build Contract Relationships

Design Review and Oversight Assistance Consultants
The Design Build Team

- Nov 15, 2012—KYTC selected Walsh Construction as Design Build Team
  - $860 Million Bid
  - Dec. 9, 2016 Substantial Completion Date
- Dec 28, 2012—Notice to Proceed Issued
The Start of Construction

• June 2013: Community groundbreaking is held

• July 2013: Construction begins in earnest

• December 2016: Substantial Completion
Section 1: Kennedy Interchange

Reconstruct the Kennedy Interchange in Downtown Louisville at the convergence of I-64, I-65 and I-71
Section 1 Progress

• New, wider I-65 corridor is taking shape in downtown Louisville

• Piers and MSE wall are going up

• Traffic is expected to shift to the new structures in the middle of 2014
Section 2: New I-65 Northbound Bridge
Cable Stay Bridge Layout

2106 ft

750 ft 750 ft
Waterline Footing
Section 2 Progress

- Work is well underway on the piers for the new bridge.
- Foundation work moved above the surface of the Ohio River in late September as crews set a tub that will form a portion of a waterline footing.
- The first mass concrete pour of the project happened in late October. More than 500 cubic yards of concrete filled the tub.
The New Bridge
Section 3: Indiana Downtown Approach
Section 3 Progress

• Traffic shifted to the new Exit 0 ramp (Downtown Jeffersonville) in early December, it will be in use into 2016
• The first concrete bridge beams of the project were set at 6th and Broadway in December
• There are a total of 870 beams to place for the Downtown Crossing
Court Ave. Gateway
Project Details

- More than 500 employees and subcontract workers are working through Walsh Construction.
- 62 new overpasses and bridges and more than 60 retaining walls.
- Nearly 540,000 feet of piling and more than 440,000 tons of asphalt will be used.
Construction Timeline

- Teams working on all three sections simultaneously
- 3 ½ year construction plan cut more than 18 months from estimates
- New I-65 NB bridge to open to two-way traffic by April 2016
- Downtown Crossing completed by December 2016
Challenges in 2013

- Financing of Downtown Crossing
  - Secured a TIFIA loan
  - Sold toll revenue bonds

- Stakeholder Expectations
  - Both sides of the river
    - Local political coordination and input
    - Local/Regional business coordination
    - Coordination with neighborhoods
Questions?  Visit the Project Website

www.kyinbridges.com