PRESENTATION OVERVIEW

- Project Overview
  - Location, Purpose and Need
  - Scope of Project
- ODOT’s first construction Public Private Partnership (P3)
  - Why P3 for SCI-823?
  - P3 – How it works on SCI-823
  - Project Organization Chart
  - Timeline, Buildable Units and Schedule
- Construction Photo Update
- Questions and Answers
PROJECT ROUTE

- Project Location
  - Rural community in Scioto County
  - 90 miles south of Columbus, OH
  - 100 miles east of Cincinnati, OH
The Appalachian Highway System is designed to:

- Generate economic development;
- Connect Appalachia highways to Interstate system;
- Improve Regional & National market access to Appalachia.

Completes Appalachian Highway in Ohio

Reduces current 26 mile travel time by avoiding:

- 30 traffic signals, 80 intersections, 500 driveways

Improves safety and congestion
Largest single project ODOT has ever done ($429M) – First P3

16-mile, 4-lane, limited access highway through mountainous terrain of SE Ohio

Bypasses 26 miles of US 23 and US 52, crossing NS and CSX Railroads

5 Interchanges, 21 bridges and 17 MSE retaining walls, ~80 culverts

Massive Earthwork: >20M Cubic Yards of Excavation & Embankment, 95% rock

High fill embankments (>150’), Rock Cuts (~190’) and deep culverts

Originally 3 phase construction – now one phase

Developer Maintained Facilities (Mainline & Ramps)(DMF) and Locally Maintained Facilities (US 23, US 52, County and Twp Road Tie-ins)

Performance Based Specifications for DMF – No CMS - First Ever in US
Why P3 for SCI-823?

- Accelerate delivery of the project by 17 years
- Delivers the complete project rather than in phases
- Allow ODOT to pay for the project over longer period
- Achieved competitive, firm fixed price
- Substantial risk transfer to private sector
  - Geotechnical Risk
  - Design and Construction Risk
  - Schedule Risk
  - Finance Risk
- Generates construction economies of scale
- Effective long-term warranty through performance specifications and 35 year O&M contract
DBFOM – Design Build Finance Operate Maintain (using Availability Payment – not Tolls)

Developer hires Independent Quality Firm (IQF). Developer responsible for QC/QA.

ODOT performs Quality Oversight – spot checks and audits for contract compliance.

After construction, Developer earns fixed price Availability Payment for 35 years

- Facility must perform to pre-established performance specifications
- Monthly payment subject to Unavailability Deductions
- Monthly payments subject to Non-Compliance Event deductions
Developer will “own” what they build for 35 years; any cost overruns or defects in the project are the responsibility of the Developer.

- Developer will perform routine maintenance (e.g. roadside sweeping, mowing, etc).
- Developer performs major rehab (e.g. pavement resurfacing, bridge repair, etc).

After 35 years of operations, developer hands back roadway to ODOT in a good condition or suffers deductions.

- ODOT will perform Snow Plowing and initial Emergency & Incident Response.
PROJECT TIMELINE

CONSTRUCTION PERIOD: 3 years – 8 mo

OPERATING PERIOD: 35 years

- Financial Close
- NTP: Design Work start
- Commencement of Construction
- Substantial Completion Date
- Final Acceptance Date
- Substantial Completion Date
- Funding of Handback Reserve
- End of Term Dec. 2053

April 2015

June 2015

Dec. 2018

120 days

2 years
BUILDABLE UNITS

SEGMENT 1 & 2A
- B-1A Ramp B over US 52
- B-1B Ramp B over Ohio River Rd
- B-2 Ramp A over Ohio River Rd
- B-3 Ramp A/B over SR 140
- B-4 SR 823 over CSX
- B-5 SR 823 over Slocum Ave
- B-6 SR 823 over Little Scioto River

- Grading
- Culverts
- Detailed Roadway
- Detailed Drainage
- MOT
- Signing & Pavement Marking
- Lighting
- Landscaping
- PCSWM

SEGMENT 2b & 3a
- B-7 Shumway Hollow over CSX
- B-8 Shumway Hollow over SR 823
- B-9 SR 823 over Swauger Valley-Minford Rd
- B-10 SR 823 over Portsmouth Minford Rd
- B-11 SR 823 over Lucasville Minford Rd

- Grading
- Culverts
- Detailed Roadway
- Detailed Drainage
- MOT
- Signing & Pavement Marking
- Lighting
- Landscaping
- PCSWM

SEGMENT 3b
- B-12 SR 823 over Blue Run Road

- Grading
- Culverts
- Detailed Roadway
- Detailed Drainage
- MOT
- Signing & Pavement Marking
- Lighting
- Landscaping
- PCSWM

SEGMENT 4
- B-13 SR 823 over Morris Lane
- B-14 Flatwood Fallen Timbers over SR 823
- B-15 Ramp A/D over Fairground Rd
- B-16 Ramp C over Fairground Rd
- B-17 Ramp B over Fairground Rd
- B-18 Ramp C over NSRR
- B-19 Ramp B over NSRR
- B-20 Ramp A/D over NSRR and SR 23

- Grading
- Culverts
- Detailed Roadway
- Detailed Drainage
- MOT
- Signing & Pavement Marking
- Lighting
- Landscaping
- PCSWM
A VIEW OF 1.5 MILES ACROSS 5 HILLTOPS — (14.5 MILES TO GO)
TRACK MOUNTED FELLER-BUNCHER
BURN PIT WITH AIR CURTAIN
SCALPING TOPSOIL
ADDING BLASTING MATERIAL TO BOREHOLES
ROCK BLASTING
HITACHI 1200 & CAT 773D (60 TON, 46CY)
HITACHI 1200 - 6 MACHINES TO BE ON PROJECT
WICK DRAIN MACHINE
CAMBER BEING SURVEYED FOR PIPES IN SETTLEMENT AREAS
CULVERT INLET INSTALLATION
QUESTIONS?

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Southern Ohio Veterans Memorial Highway
State Route 823