TOPICS OF DISCUSSION

- Overview of project description
- Partnering / Project Goals
- VECP’s
- 1783 Structure
- 1817 Structure
- Project Challenges
- Questions
Improvement of 0.7 miles of IR70 by replacement of structures BEL-70-1817 over SR9 and replacement of structures BEL-70-1783 over the National Road Bikeway. Realign and lengthen Ramp B. (WB on-ramp)
PARTNERING / PROJECT GOALS

- SAFETY
- QUALITY
- SCHEDULE
- BUDGET MET
- PUBLIC PERCEPTION
VALUE ENGINEERING

- 1783 Structure  $75,000
- 1817 Structure  $112,865

FIRST TWO COMPLETED IN DISTRICT 11

TOTAL ODOT SAVINGS = $187,865
• Replaced cast-in-place concrete spread footings with 24” Diameter Drilled Shafts.

• Constructability Improvement due to height restrictions with existing structure.

• Minimized excavation in an area with limited access.
1783 VECP – FOUNDATION
BEAVER EXCAVATING COMPANY

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1783 VECP – FOUNDATION
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1817 VECP – FOUNDATION

- Changed the 192 FT long three span structure to a 94 FT long single span structure.
- Replaced H-pile foundations with 36” Drilled Shafts.
- Cast-in-place reinforced concrete semi-integral abutment with counterforts.
BEAVER EXCAVATING COMPANY

1817 VECP – FOUNDATION
PROJECT CHALLENGES

- FEDERAL 4F PERMIT
- UTILITY RELOCATION DELAY (44 Calendar Days)
- ROCK ELEVATION ERROR AT BIKE PATH (16 Calendar Days)
- WEATHER (40 Calendar Days)
- PHASED CONSTRUCTION / CONSTRUCTABILITY
- VALUE ENGINEERING VS. SCHEDULE