



 **IMPROVE 64**
CONNECTING COMMUNITIES

INDUSTRY FORUM

November 27, 2023



PRESENTERS



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AGENDA

- **Project Overview**
- **Project Information**
- **Alternative Delivery**
- **Geotech Information**
- **DBE**
- **Questions**



The slide features a dark blue background with a network diagram of white nodes and lines on the left side. A prominent yellow horizontal band spans the width of the slide, containing the title text. On the right side, there are several overlapping, semi-transparent blue shapes that create a sense of depth and movement.

PROJECT OVERVIEW

PROJECT OVERVIEW



PROJECT STATS

9.9 lane-miles
of ATL

5
interchanges

10 bridge
rehab

9 bridge
replacements

1 new
bridge

15 detention
ponds

385-feet elevation
drop from US 150 to
Spring St.

12,000 linear feet
of noise barriers



Project Letting: **Fall 2024**

PROJECT QUANTITIES

435,000 (sq. yds.)
of pavement

195,000 (sq. ft.)
of bridge deck

134,100 (sq. ft.)
of retaining walls

380,000 (cu. yds.)
of cut

460,000 (cu. yds.)
of fill

45 acres
of clearing & grubbing

25,000 (lft.)
of type 1, 2, & 3 pipe

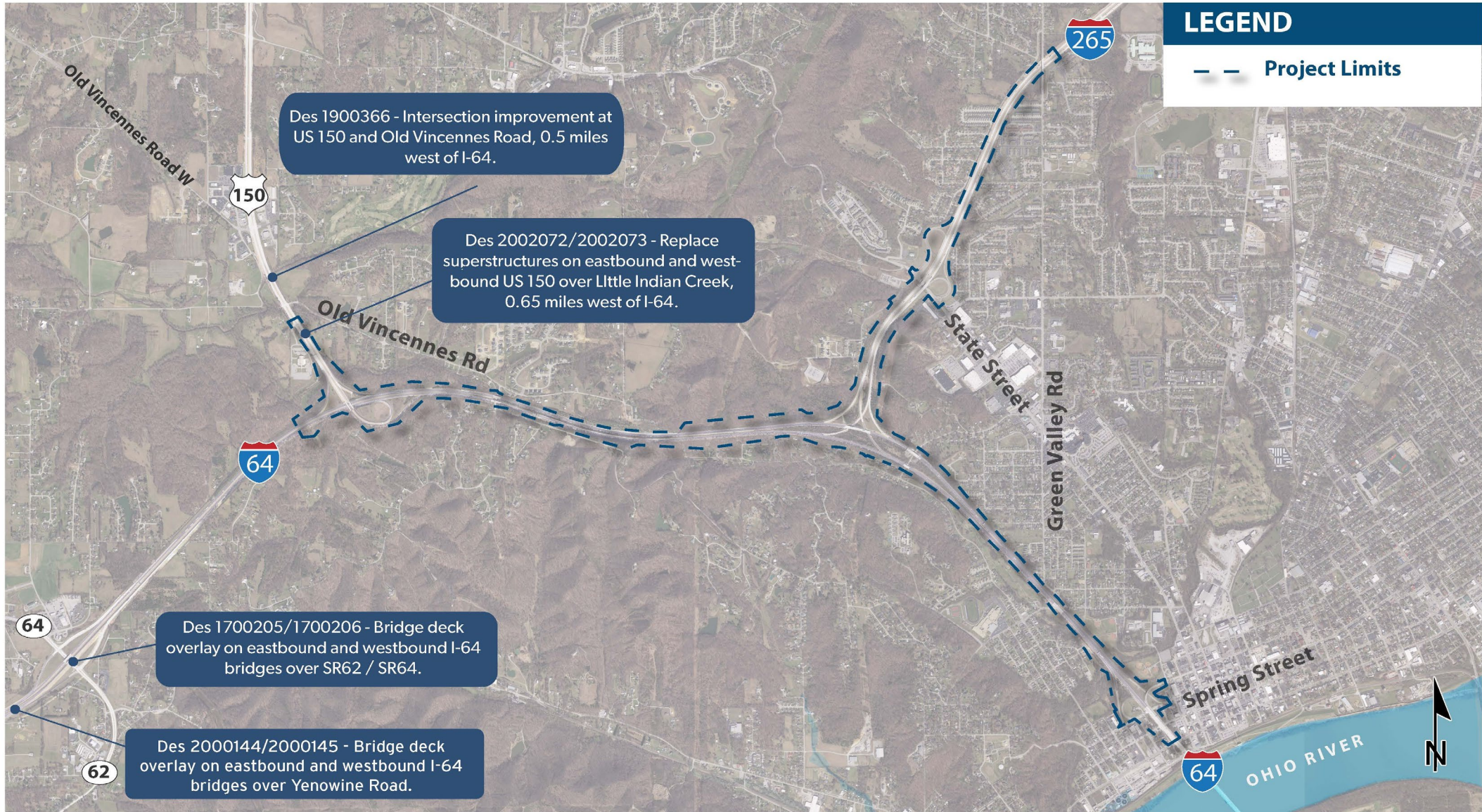
7 culvert liners

7 culvert replacements



Project Letting: **Fall 2024**

BUNDLED PROJECTS

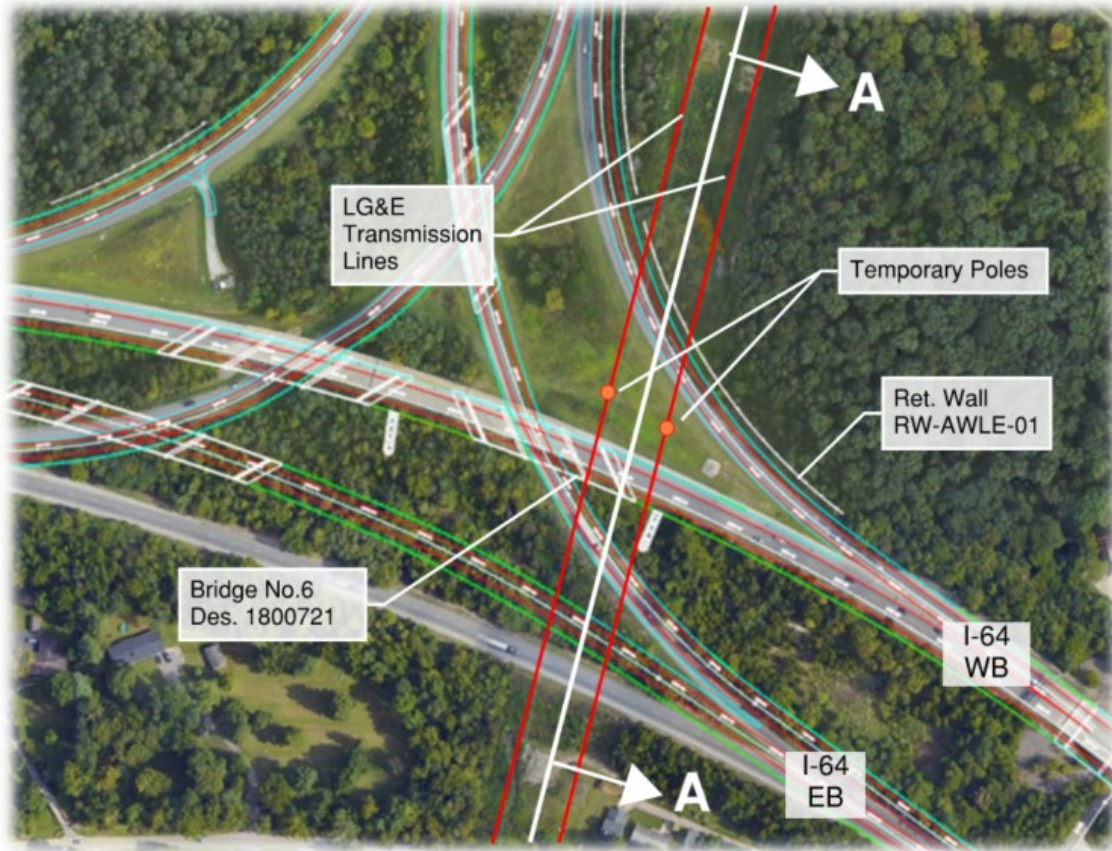




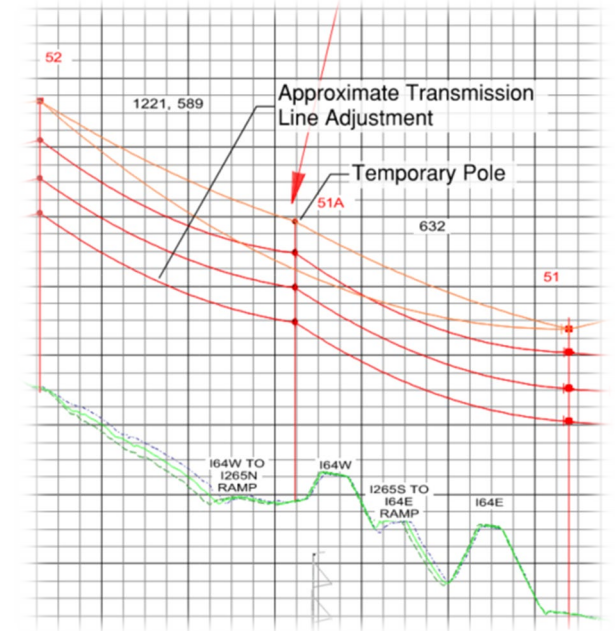
PROJECT INFORMATION

Project Information

LG&E Transmission



- Temporary poles installed to raise the utility lines
- Additional working room to be provided
- Utility workplan progress ongoing



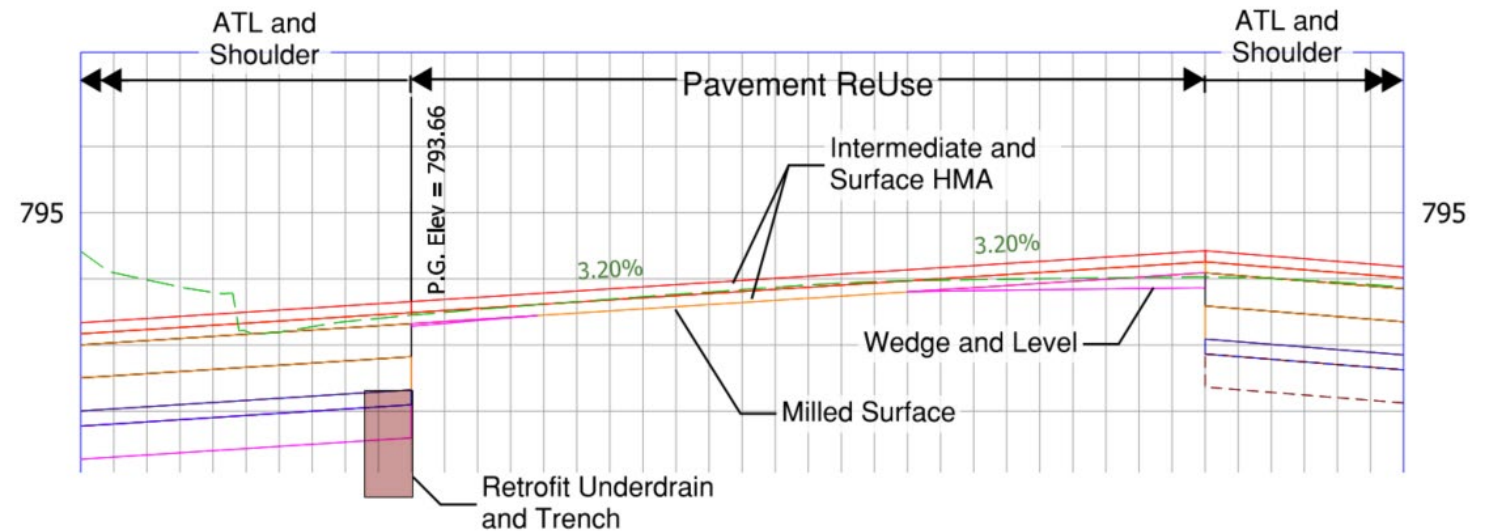
Section A-A



Project Information

Pavement Design

- Typical section incorporates elements of full depth and rehabilitation
- Retrofit underdrains
- Variability with existing pavement cross slopes
- 2-inch milling depth and cross slope correction with wedge and level



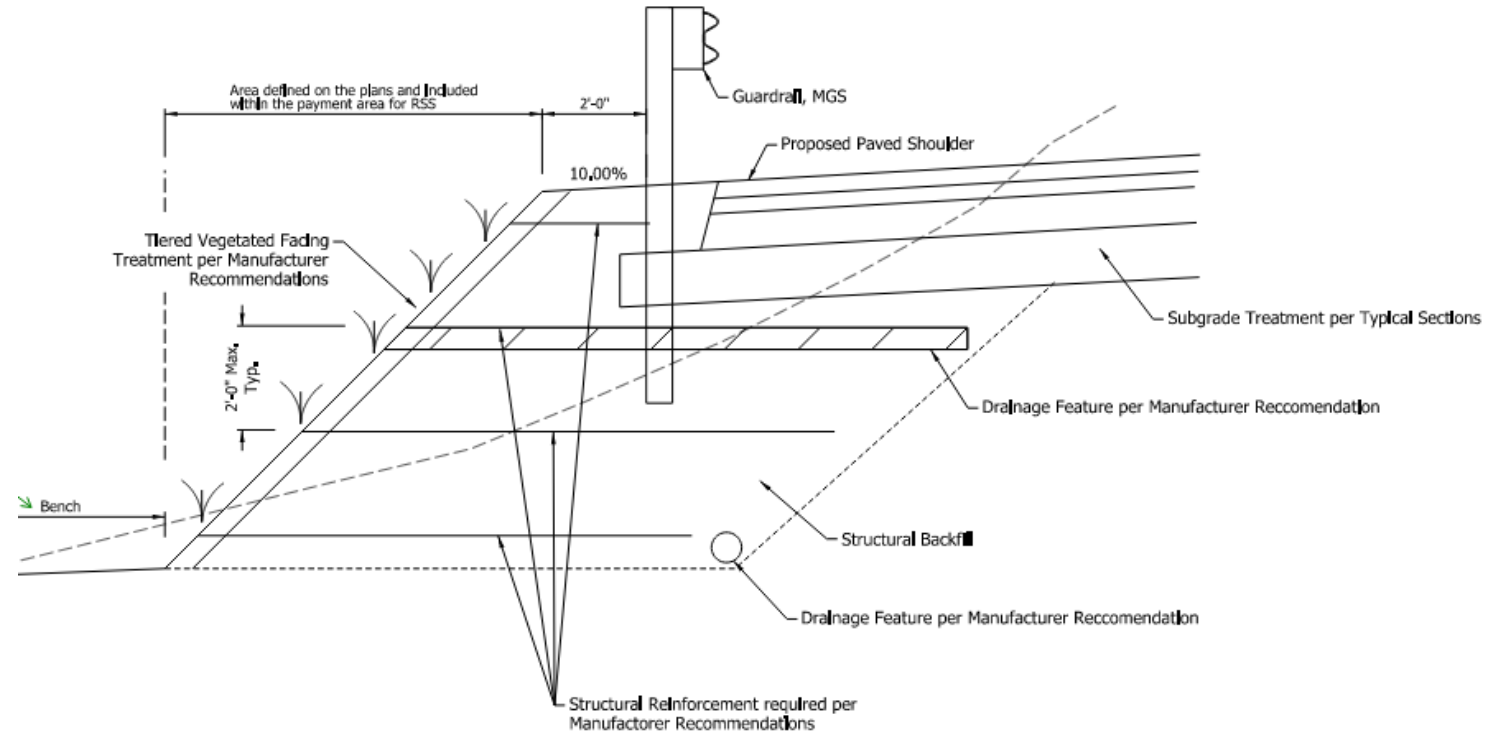
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Project Information

Reinforced Soil Slopes

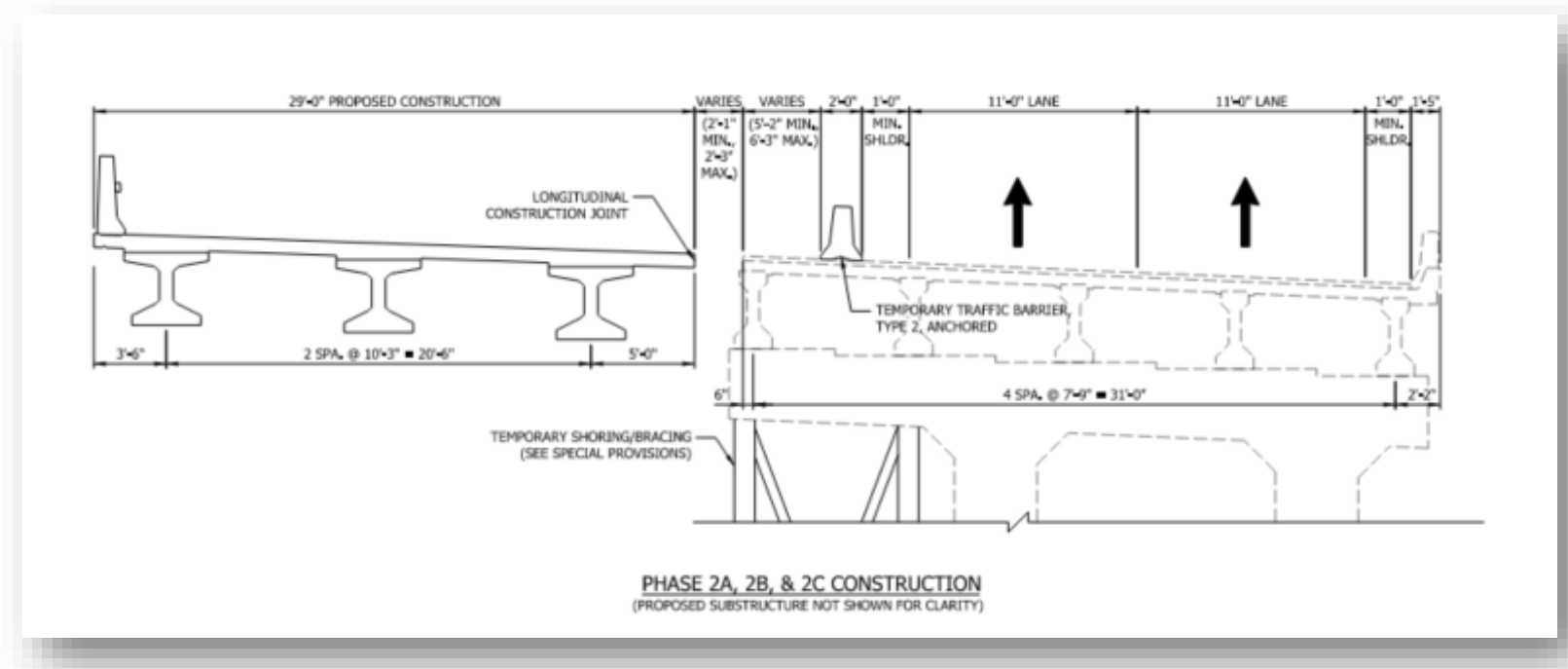
- Avoids tall sliver fill embankments
- USP allows for flexibility with construction options
- Shall be designed by the contractor using the procedure described in FHWA-NHI-10-025



Project Information

Bridge Construction – Phased Approach

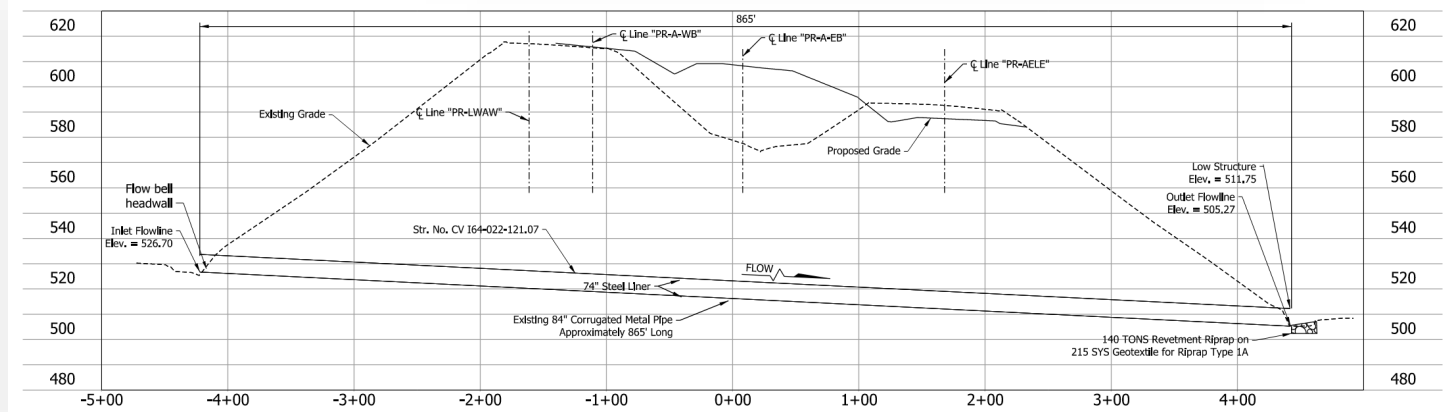
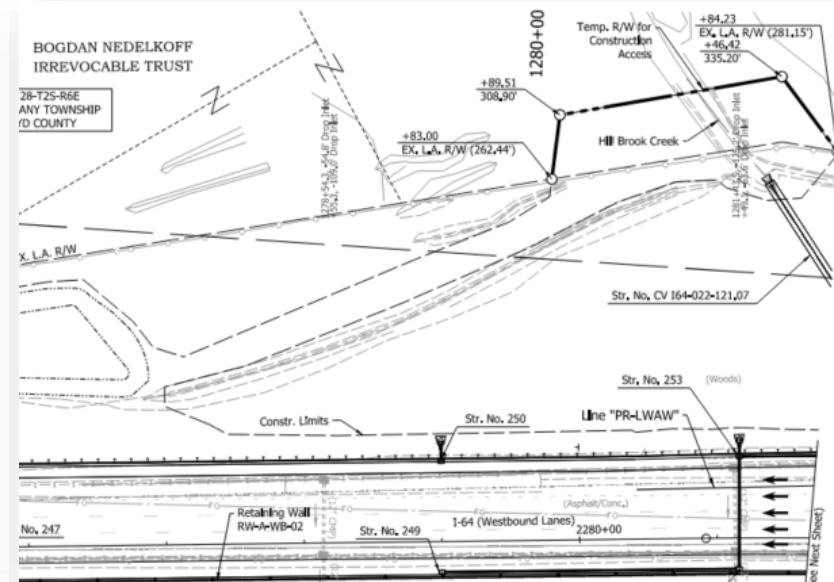
- 16 bridges within the limits of the ATL
- Minimum of two construction phases
- Working width reduced to 1-2 feet at various locations
- Quarry Road bridges - ~10' vertical offset between them



Project Information

Culvert Pipes

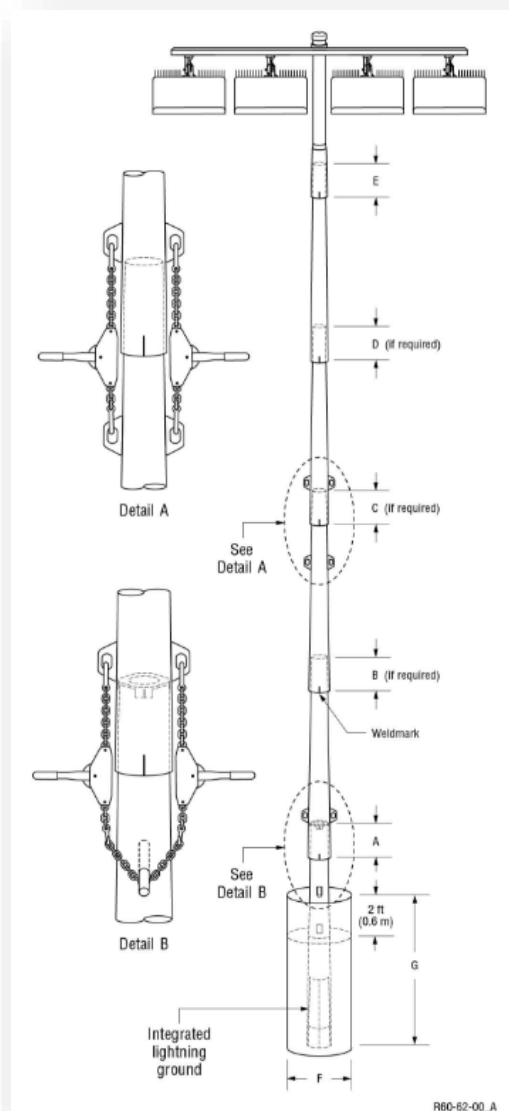
- 11 culverts under I-64 EB/WB
 - Range from 36" to 84" Dia.
- Bury depths range from 15-feet to 80-feet
- Access routes defined by clearing and grubbing limits
- Temporary R/W for materials staging



Project Information

Traffic Elements

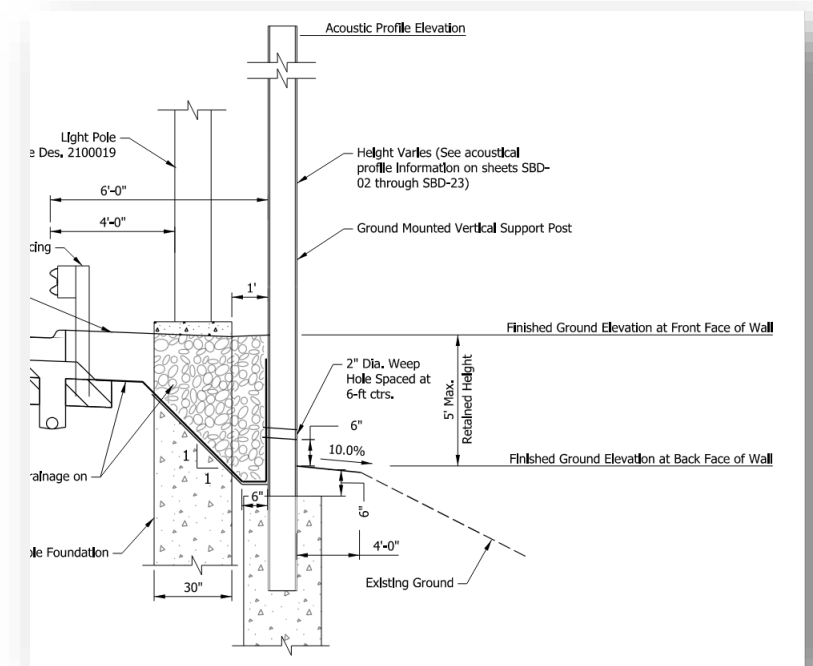
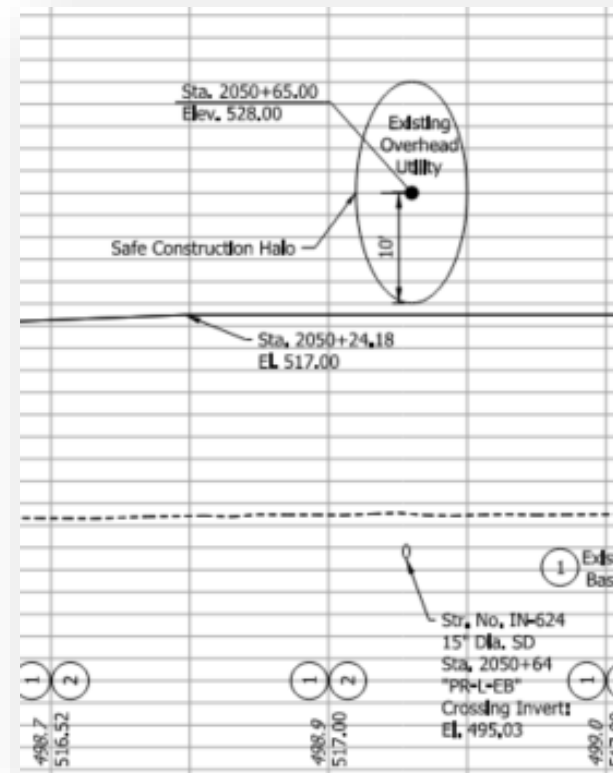
- 8 - 70-foot-tall light poles required along I-64 WB east of Captain Frank
 - Sole source vendor
 - Close proximity to Noise Barrier NB-5
- Temporary lighting
- ITS fiber optic replaced along I-64 and I-265
 - Package of 7 conduits



Project Information

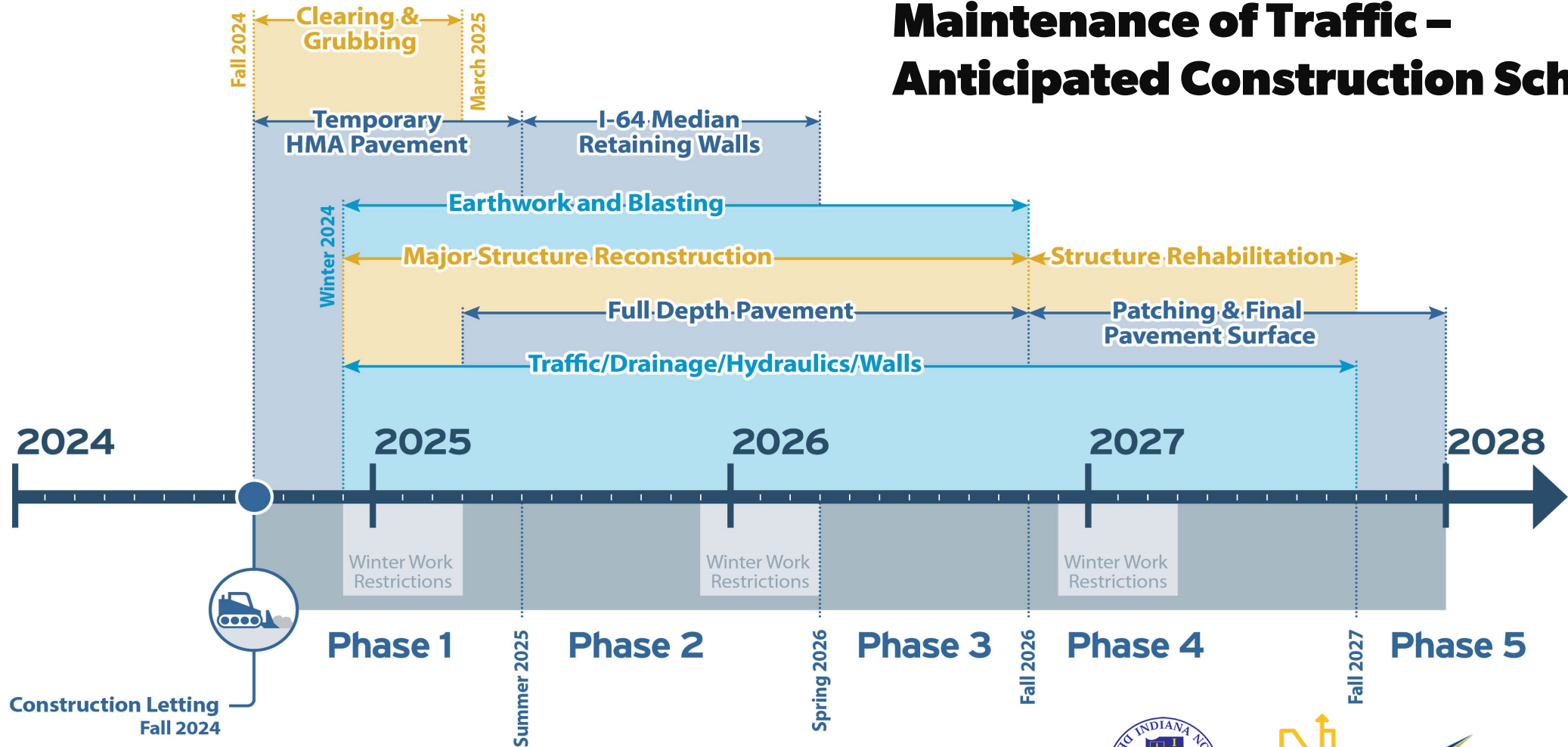
Noise Barriers

- One barrier along I-64 WB, two along I-265
- Proximity to transmission and distribution overhead lines
- Noise Barrier NB-5
 - Includes retained fill
 - Proximity to light, ITS and signing foundations



Project Information

Maintenance of Traffic – Anticipated Construction Schedule



Project Information

Maintenance of Traffic

- IHCP Waivers
 - Shoulder closures 24/7
 - Nighttime lane closures
 - Short-term full stoppages
 - 20-minute maximum
 - Closures to Quarry Rd. and Captain Frank Rd.
 - Overnight ramp closures:
 - I-64 EB to I-265 EB
 - I-265 WB to I-64 EB
 - Full closures to I-64 / Spring Street ramps

Short-Term (20-minutes Maximum) Full Stoppage Analysis Summary

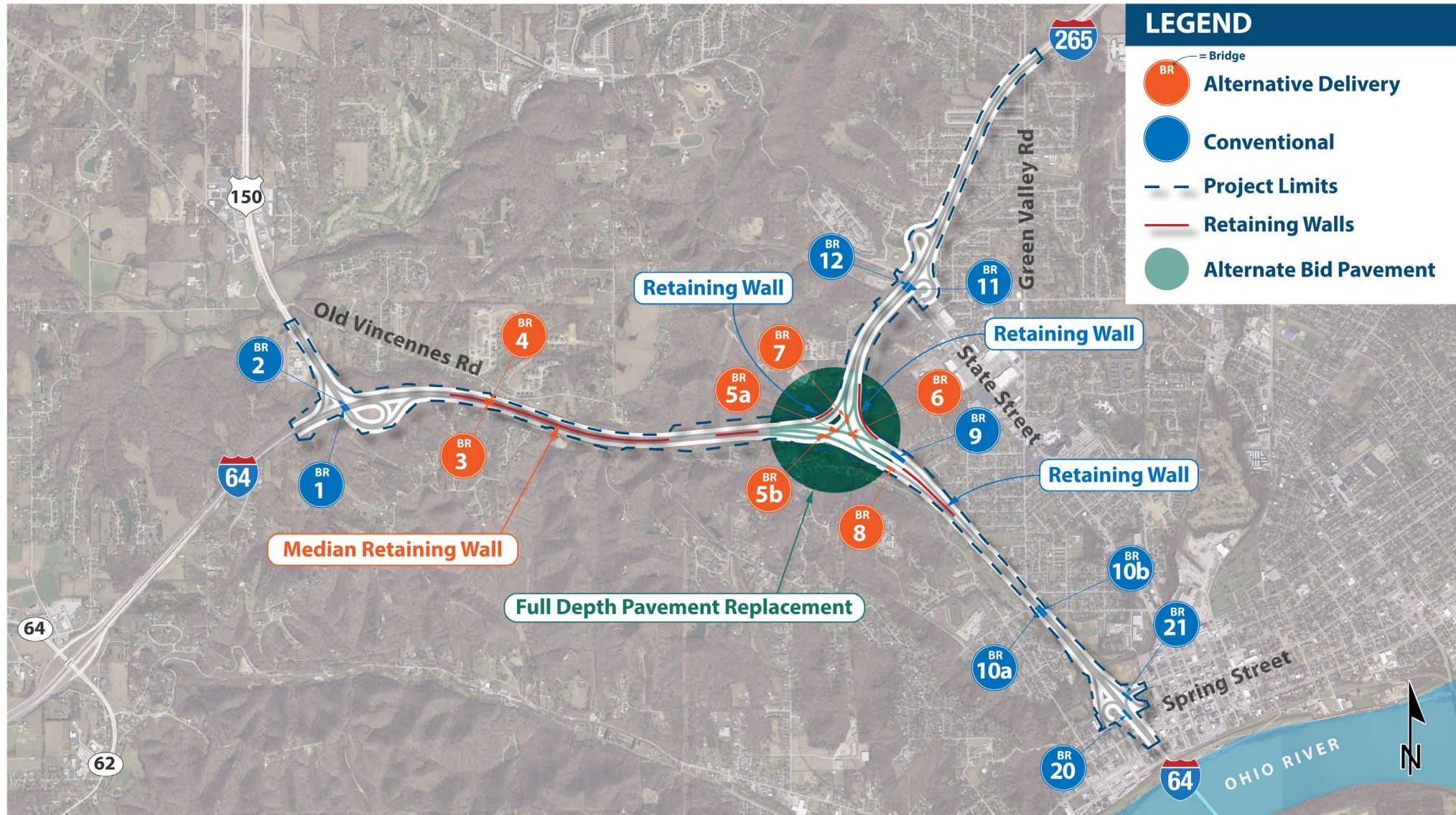
Segment	Direction	Full Stoppage Allowed within INDOT Policy Limits			
		Weekday	Friday	Saturday	Sunday
I-64, between US 150 and I-265	WB	Midnight to 2 pm, 7 pm to Midnight	Midnight to Noon, 8 pm to Midnight	Midnight to 2 pm, 6 pm to Midnight	Midnight to 3 pm, 6 pm to Midnight
	EB	Midnight to 5 am, 7 pm to Midnight	Midnight to 5 am, 8 pm to Midnight	Midnight to 8 am, 4 pm to Midnight	Midnight to 9 am, 3 pm to Midnight
I-64, between I-265 and Spring Street	WB	Midnight to 2 pm, 7 pm to Midnight	Midnight to 1 pm, 7 pm to Midnight	Midnight to 3 pm, 6 pm to Midnight	Midnight to 3 pm, 6 pm to Midnight
	EB	Midnight to 6 am, 9 am to Midnight	Midnight to 6 am, 9 am to 2 pm, 5 pm to Midnight,	Anytime	Anytime
I-265, between I-64 and State Street	WB	Midnight to 7 am, 8 pm to Midnight	Midnight to 7 am, 8 pm to Midnight	Midnight to 9 am, 8 pm to Midnight	Midnight to 11 am, 8 pm to Midnight
	EB	Midnight to 6 am, 7 pm to Midnight	Midnight to 6 am, 7 pm to Midnight	Midnight to 9 am, 6 pm to Midnight	Midnight to 10 am, 6 pm to Midnight
I-265, east of State Street	WB	Midnight to 7 am, 8 pm to Midnight	Midnight to 7 am, 8 pm to Midnight	Midnight to 10 am, 8 pm to Midnight	Midnight to Noon, 7 pm to Midnight
	EB	Midnight to 6 am, 7 pm to Midnight	Midnight to 6 am, 7 pm to Midnight	Midnight to 9 am, 7 pm to Midnight	Midnight to 10 am, 8 pm to Midnight



The background is a solid blue color. On the left side, there is a network diagram consisting of light blue lines connecting small circular nodes. On the right side, there are several overlapping, semi-transparent blue shapes that resemble stylized waves or abstract forms. A horizontal yellow bar spans the width of the image, containing the text.

ALTERNATIVE DELIVERY

ALTERNATIVE DELIVERY ELEMENTS



ALT DELIVERY – PAVEMENT

System Interchange – HMA vs. PCCP



ALT DELIVERY – BRIDGES

Unique Special Provisions

- Optional DB Delivery for Bridges
 - Technical Requirements
 - Design With No Impacts or Revisions to:
 - Roadway Horizontal and Vertical Alignments
 - Cross Slopes
 - Number and Width of Lanes and Shoulders
 - Approved Level One and Level Two DE's
 - Barrier or Guardrail Type and Location
 - Drainage
- Alternate and Optional Pay Items
 - Split of Common, Alternate Pavement, and Design-Build Pay Items

OPTIONAL DESIGN-BUILD DELIVERY FOR BRIDGE STRUCTURES

Description

This work shall consist of design, furnishing, fabrication, installation, and construction of all necessary incidentals to complete the work for optional design-build bridge structures, and associated retaining walls, in accordance with 105.03.

The following bridges, as part of the I-64 Added Travel Lanes project, Contract R-42570, may be bid by the Contractor using an optional design-build model:

Bridge No.	DES NO.	Bridge File or Structure No.	Description	Minimum Required Scope of Work
3	1700207	I64-120-10786	I-64 EB over Quarry Road	Superstructure Replacement
4	2200015	I64-120-10742	I-64 WB over Quarry Road	Superstructure Replacement
5A	1702617	I64-121-10787	I-64 WB over I-64 EB to I-265 EB Ramp	Full Replacement
5B	2200016	I64-121-10743 EBL	I-64 EB over I-64 EB to I-265 EB Ramp	New Construction
6	1800721	I64-121-10788	I-64 WB over I-265 WB to I-64 EB Ramp	Full Replacement
7	2200019	(I64)I265-00-10746	I-265 WB to I-64 EB Ramp over I-64 EB to I-265 EB Ramp	Full Replacement
8	2200017	I64-121-10744	I-64 EB & I-265 WB to I-64 EB Ramp over Captain Frank Road	Full Replacement

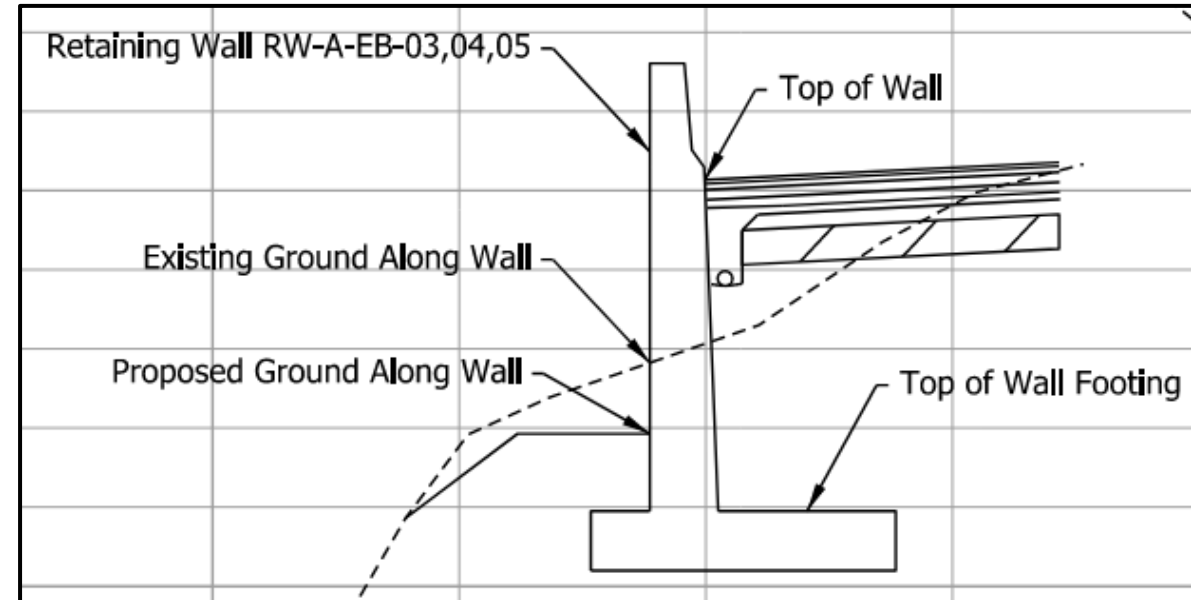
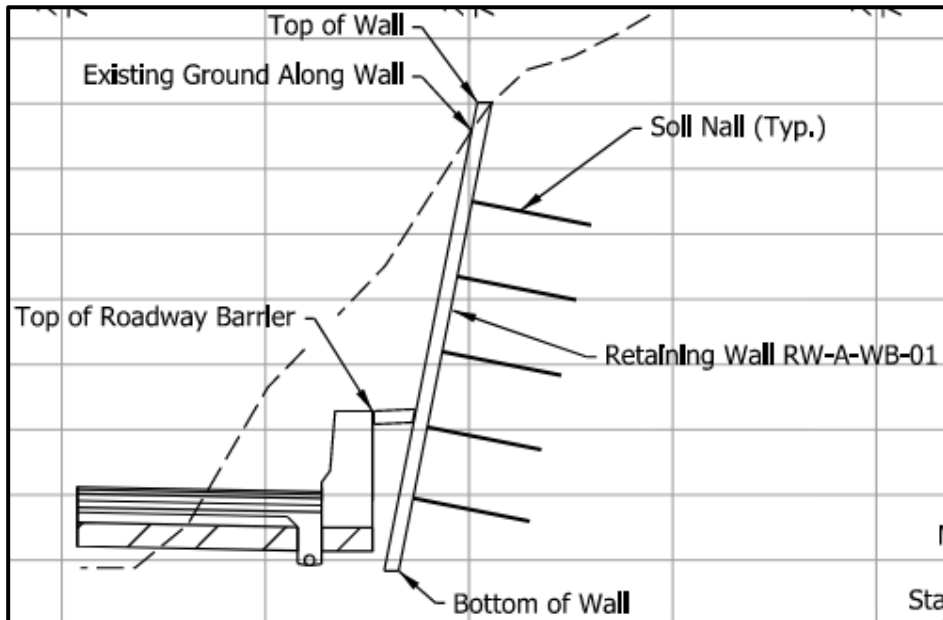
The Contractor may bid none, one, some, or all the design-build bridges or bid and construct the bridges as shown in the Contract plans. Cost reduction incentives (CRIs) for these structures are prohibited post-letting.



ALT DELIVERY – WALLS

Unique Special Provision

- Technical requirements
- Design overhead sign, dynamic message sign, and lighting foundations located within the median for specific range
- No impacts or revisions to barrier or guardrail type and location or drainage



ANTICIPATED PROCUREMENT

- **November 27, 2023: Industry Forum & One-on-One Meetings**
- **January 23, 2024: Stage 3 Submittal**
- **April 22, 2024: Final Tracings**
- **May 22, 2024: RFC**
- **July 17, 2024: Advertisement**
- **September X, 2024: Special Letting**

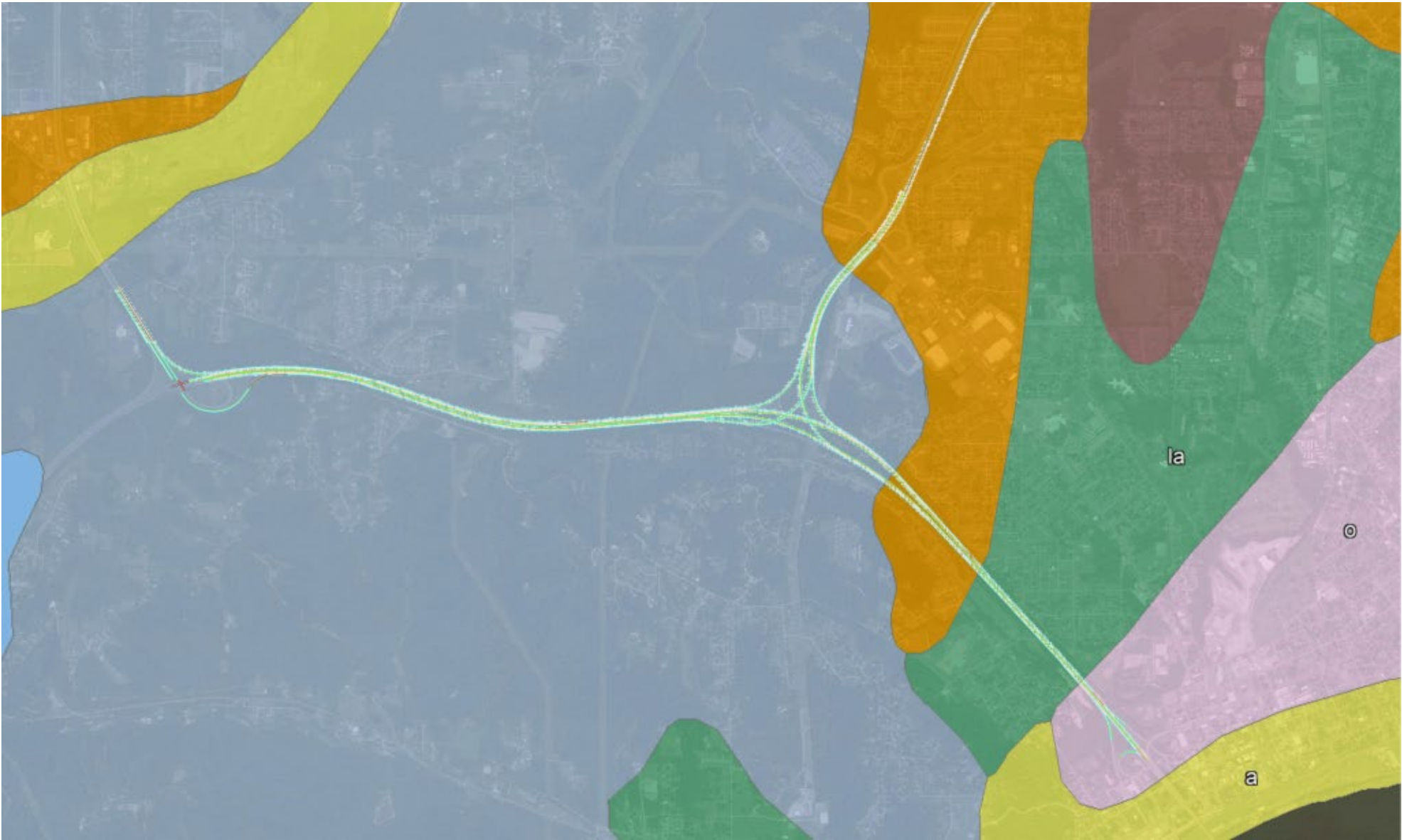


The background features a dark blue color scheme. On the left side, there is a light blue network of interconnected nodes and lines, resembling a molecular or structural model. On the right side, there are large, overlapping, semi-transparent shapes in various shades of blue, creating a sense of depth and movement, similar to geological strata or wave patterns.

GEOTECH INFORMATION

SITE TOPOGRAPHY AND GEOLOGY

SURFICIAL GEOLOGY



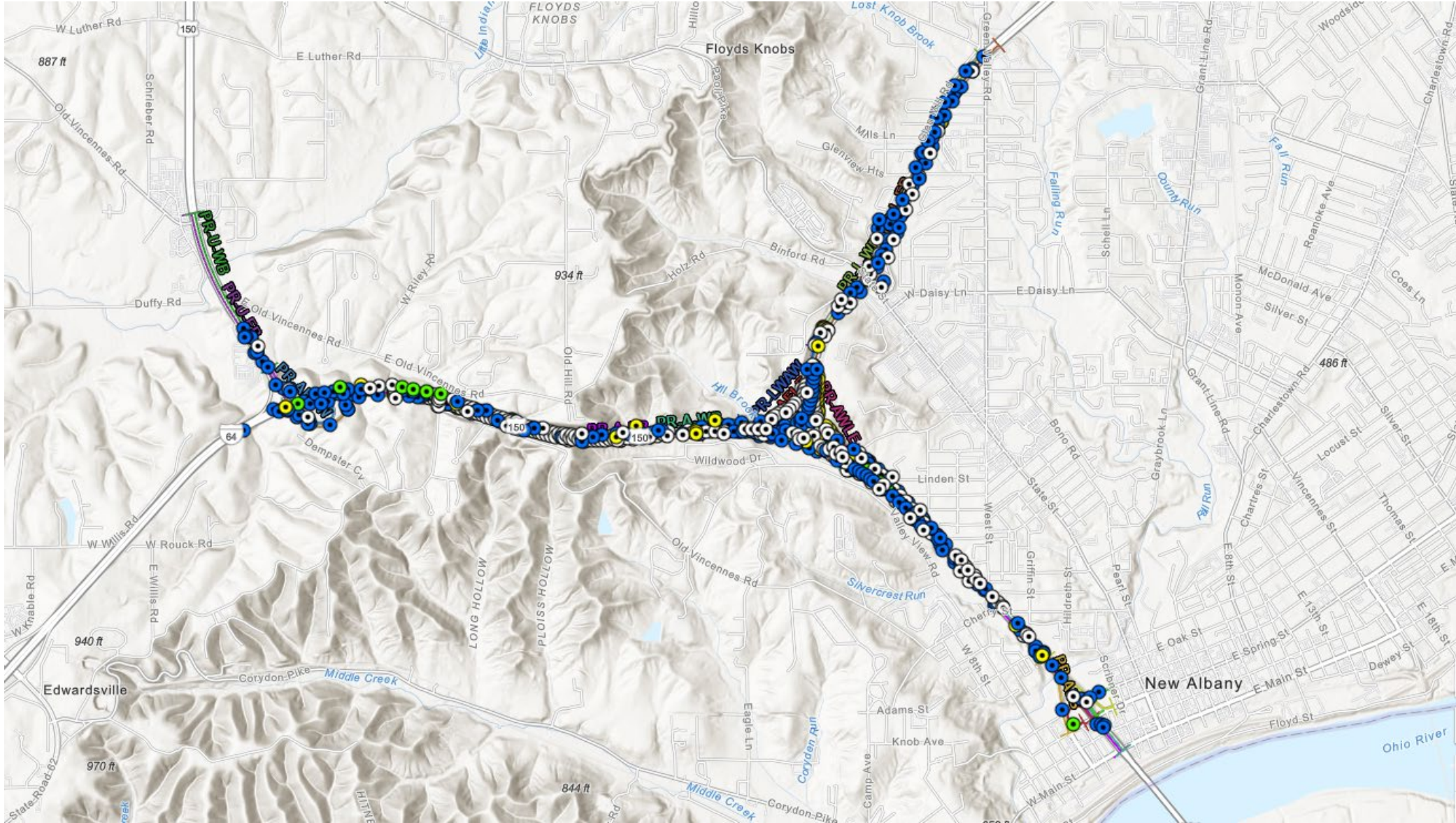
SITE TOPOGRAPHY AND GEOLOGY

SURFACE TOPOGRAPHY

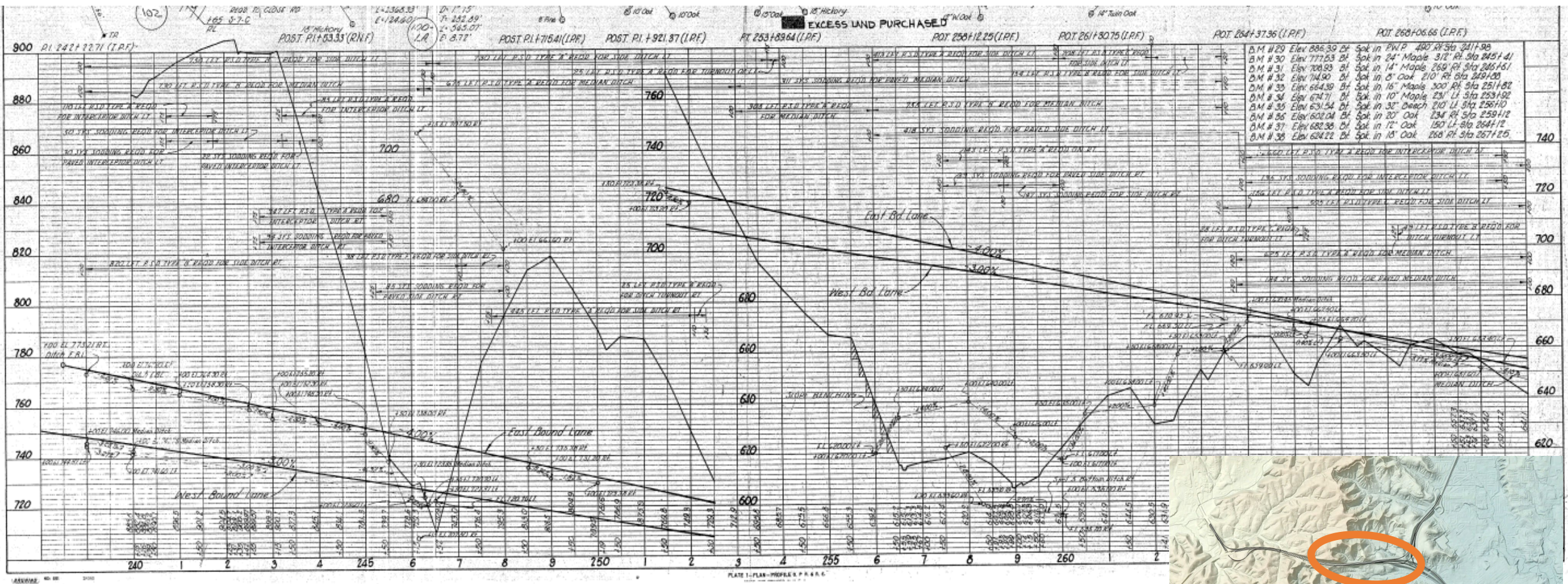


GEOTECHNICAL EFFORTS

EXPLORATORY PROGRAM



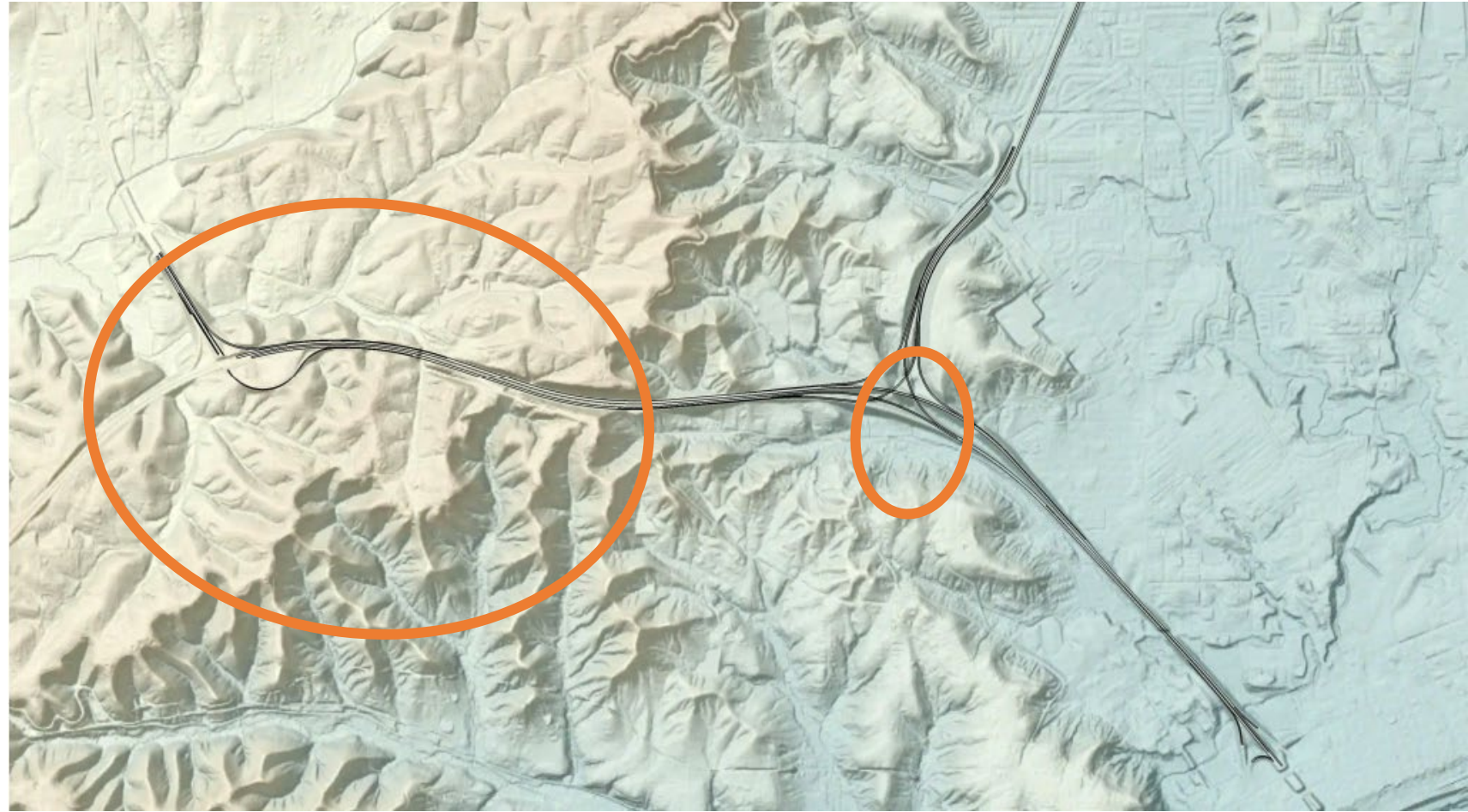
GRADING FROM ORIGINAL CONSTRUCTION



GEOTECHNICAL IMPACTS

Shallow Rock:

- Grading/Excavation
- Deep Rock Cut



GEOTECHNICAL IMPACTS

Shot Rock Fills:

- Bridge Foundations
- Workability
 - Benching
 - Excavations
 - Trenchless methods for drainage improvements





DBE INFORMATION

DBE RECIPROCITY

- **INDOT** has a **DBE Reciprocity Agreement**.
- DBEs certified in one state may be used in partner state.
- DBEs to follow project State's prequalification laws.

Derrick Casson, DBE Program Administrator
INDOT Economic Opportunity Division
ESinquiry@indot.in.gov



POSSIBLE ACTIVITIES

- Clearing and grubbing
- Concrete supply
- Drilled shaft foundations
- Environmental monitoring
- Erosion control
- Excavation
- Formwork
- Geotechnical explorations
- Hauling
- Pile driving
- Rebar
- Site security
- Surveying
- Traffic control



PROJECT CONTACTS

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THANK YOU!

