

# Interstate 675/Grange Hall Interchange Study

## Project Next Steps



ODOT Project: GRE-IR675-8.95 Project ID 117486

### Complete the Feasibility Study

- Public meeting and comment period from November 14, 2024, to December 16, 2024.
- Address public comments from December 16, 2024, to January 12, 2025.
- Feasibility Study approval from January 13, 2025, to February 9, 2025.
- Preferred Alternative selection from February 10, 2025, to March 23, 2025.

### Continue with the Project Development Process

- WPAFB R/W study (if needed).
- IMS/Preliminary Engineering.
- Environmental Engineering.
- Final Engineering/ROW.
- Construction.

## Funding

### Develop a funding plan

- Build local, regional, and political consensus for the importance of the project.
- Identify a large and diverse array of potential funding sources.

### Develop a phasing plan

- Identify opportunities to phase-in local street improvements over time to reduce the costs of initial construction.
- Ensure phasing does not degrade the operation or safety of the interstate system.



# Interstate 675/Grange Hall Interchange Study

## Purpose and Need



ODOT Project: GRE-IR675-8.95 Project ID 117486

### Purpose

The purpose of the project is to improve mobility and system linkage to support existing and future land uses in the study area.

### Primary Needs

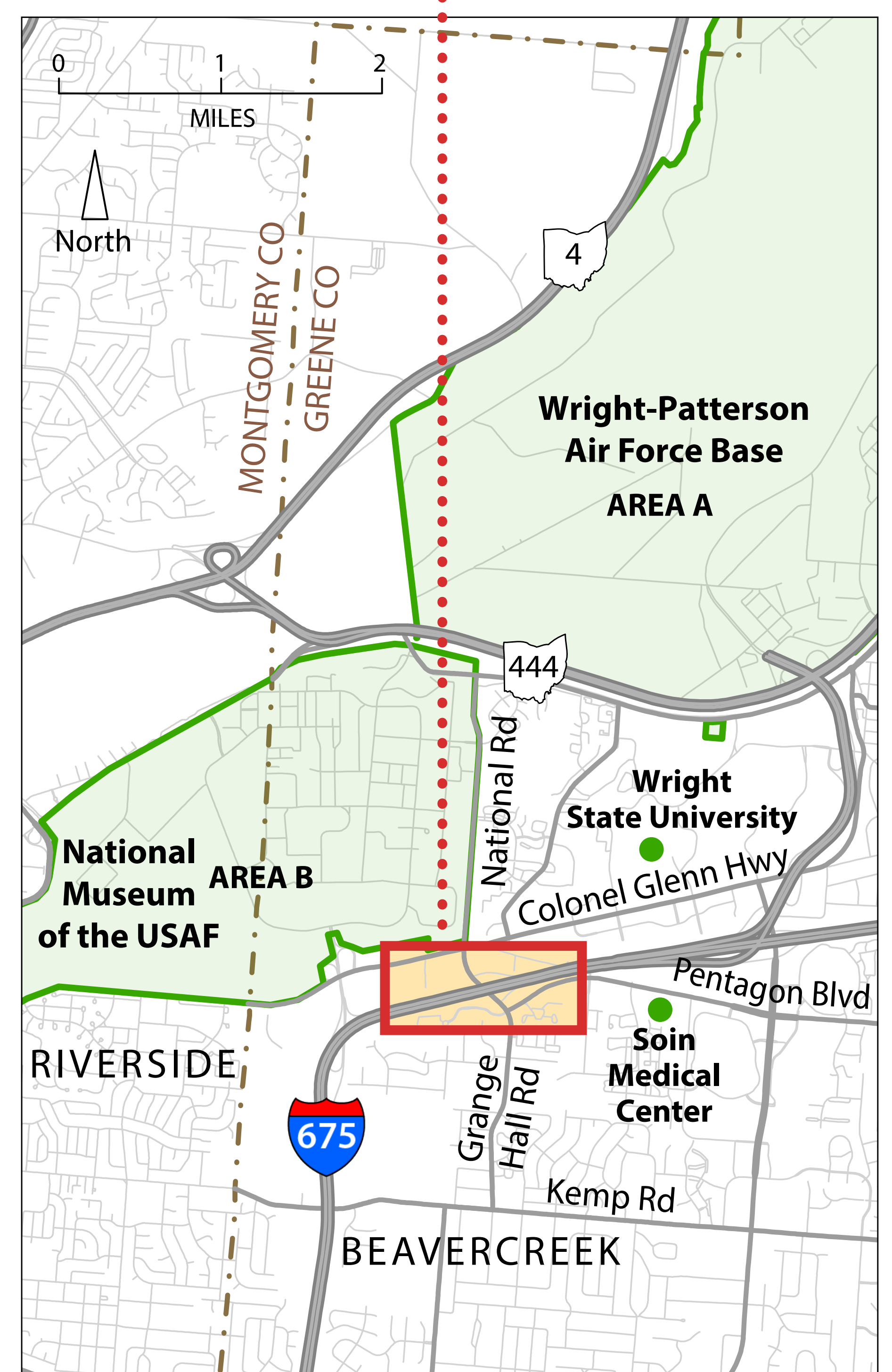
#### Mobility Concerns

- Congestion from institutional, commercial, and retail developments.
- Insufficient intersection capacity and turning lane storage at Grange Hall Road and Colonel Glenn Highway.
- Congestion on I-675 between Grange Hall Road and North Fairfield Road interchanges.
- Back-ups on I-675 from traffic entering WPAFB via the Colonel Glenn Highway interchange.

#### System Linkage Concerns

- Poor connectivity to and from I-675 southbound causes redundant traffic on local road network.
- Lack of pedestrian and bicycle infrastructure.

### GRANGE HALL INTERCHANGE





# Interstate 675/Grange Hall Interchange Study

## Evaluation Matrix



ODOT Project: GRE-IR675-8.95 Project ID 117486

### ALTERNATIVES

1

2

3

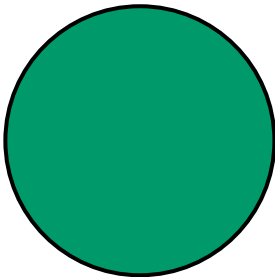
4

Tight Diamond with Auxiliary Lane    Folded Diamond with Auxiliary Lane    Braid Ramp Interchange    No-Build

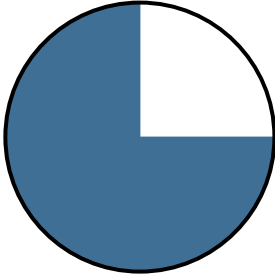
#### Evaluation Criteria

#### LEGEND

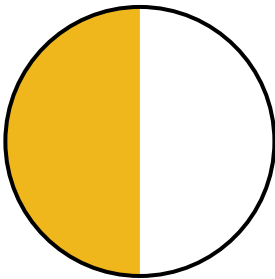
Excellent



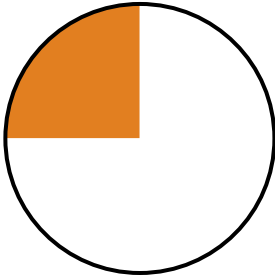
Good



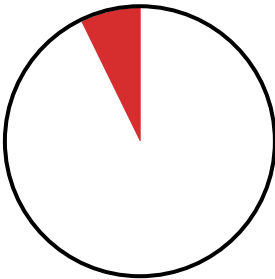
Average



Below Average

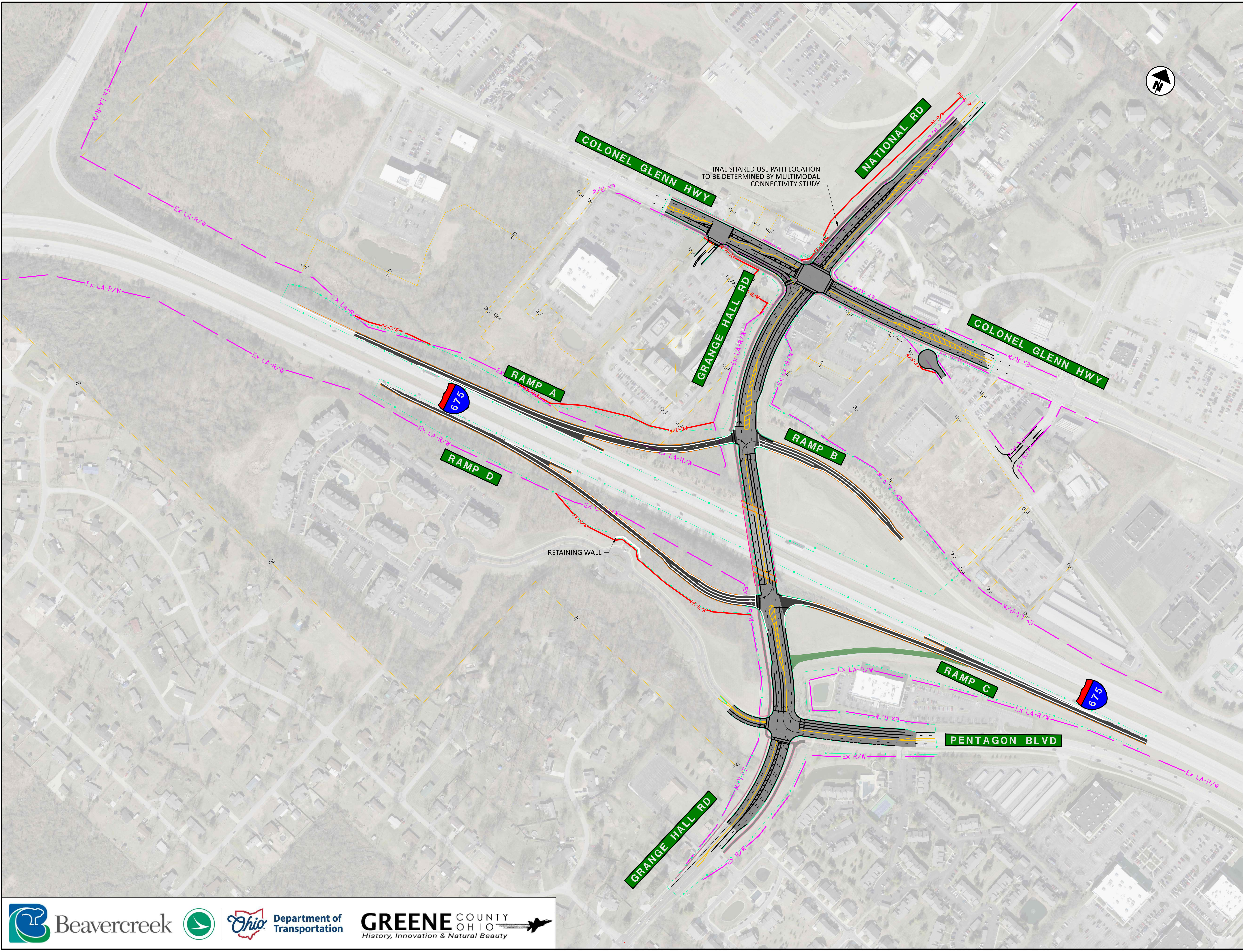


Poor



Evaluation Criteria	1 Tight Diamond with Auxiliary Lane	2 Folded Diamond with Auxiliary Lane	3 Braid Ramp Interchange	4 No-Build
Safety Performance				
Traffic Operations				
Roadway Assessment				
Structures				
Right-of-Way Impacts				
Multimodal				
Utilities				
Environmental				
Total Alternative Cost (2033 dollars)	\$46,585,000	\$48,425,000	\$78,930,000	\$0





ALTERNATIVE 1 - TIGHT DIAMOND  
RAMP INTERCHANGE

DESIGN AGENCY



DESIGNER

REVIEWER

PROJECT ID

117486

SHEET TOTAL

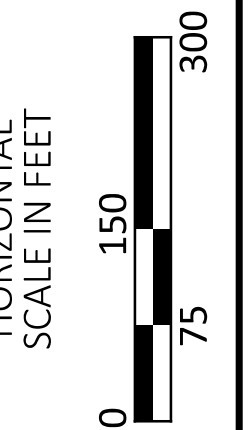
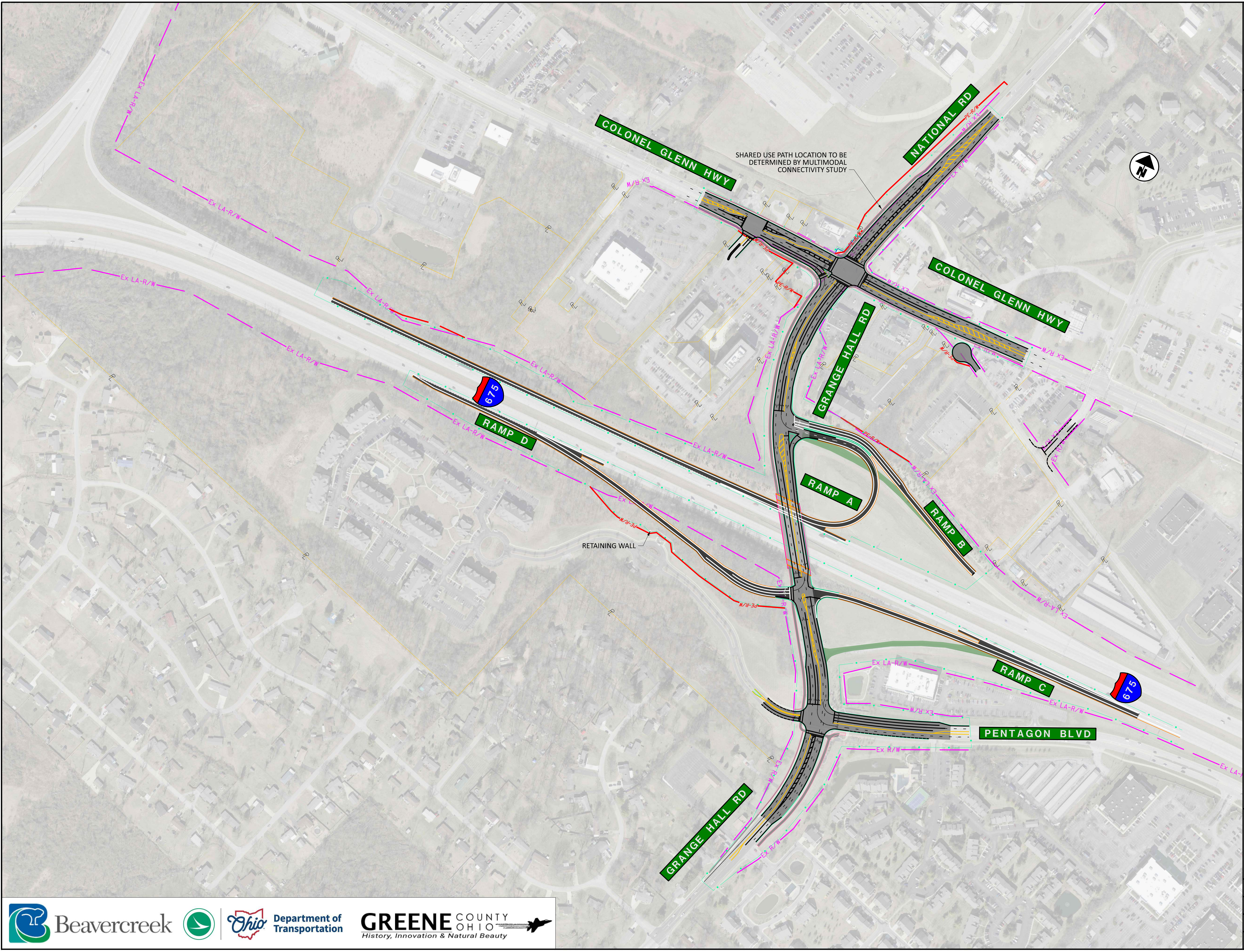
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Ohio Department of Transportation

GREENE COUNTY OHIO  
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ALTERNATIVE 2 - FOLDED  
RAMP INTERCHANGE

DESIGN AGENCY



DESIGNER

REVIEWER

PROJECT ID

117486

SHEET TOTAL

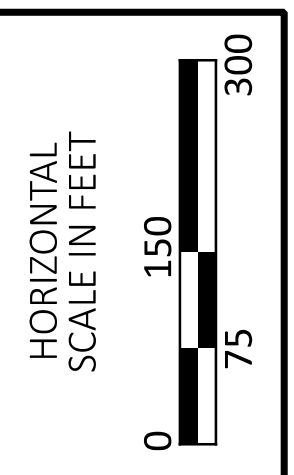
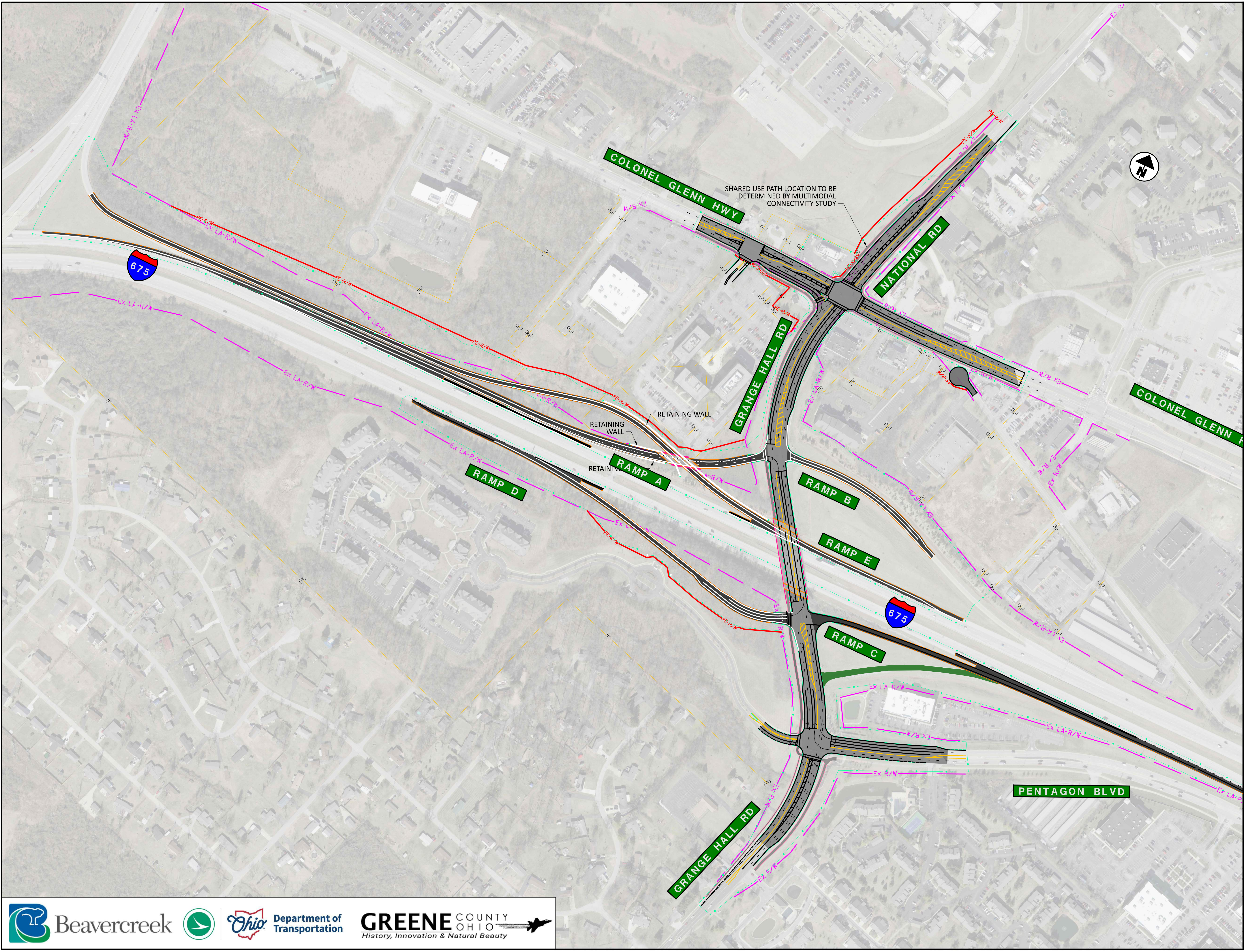
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Department of  
Transportation

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**ALTERNATIVE 3 - BRAID  
RAMP INTERCHANGE**

DESIGN AGENCY  
**WOOLPERT**

DESIGNER

REVIEWER

PROJECT ID  
117486

SHEET	TOTAL
P.0	0