

# SR 4165-A01 GLENFIELD VIADUCT PRESERVATION PROJECT

## Public Meeting

### PRESENTATION WILL BEGIN SOON



MARCH 27, 2025



Pennsylvania  
Department of Transportation

# SR 4165-A01 GLENFIELD VIADUCT PRESERVATION PROJECT

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# PROJECT TEAM

- PENNDOT DISTRICT 11-0
  - Doug Seeley, P.E. | Assistant District Executive-Design
  - Cheryl Solosky, P.E. | Senior Project Manager
  - Mark Young | District Environmental Planning Manager
  - Nick Krobot, P.E. | Assistant Environmental Manager
  - Shane Szalankiewicz, P.E. | District Bridge Engineer
  - Jacqueline Evans, P.E. | District Right-of-Way Administrator
  - Ethan Bailey | Chief Right-of-Way Negotiator
  - Nicole Haney | Community Relations Coordinator

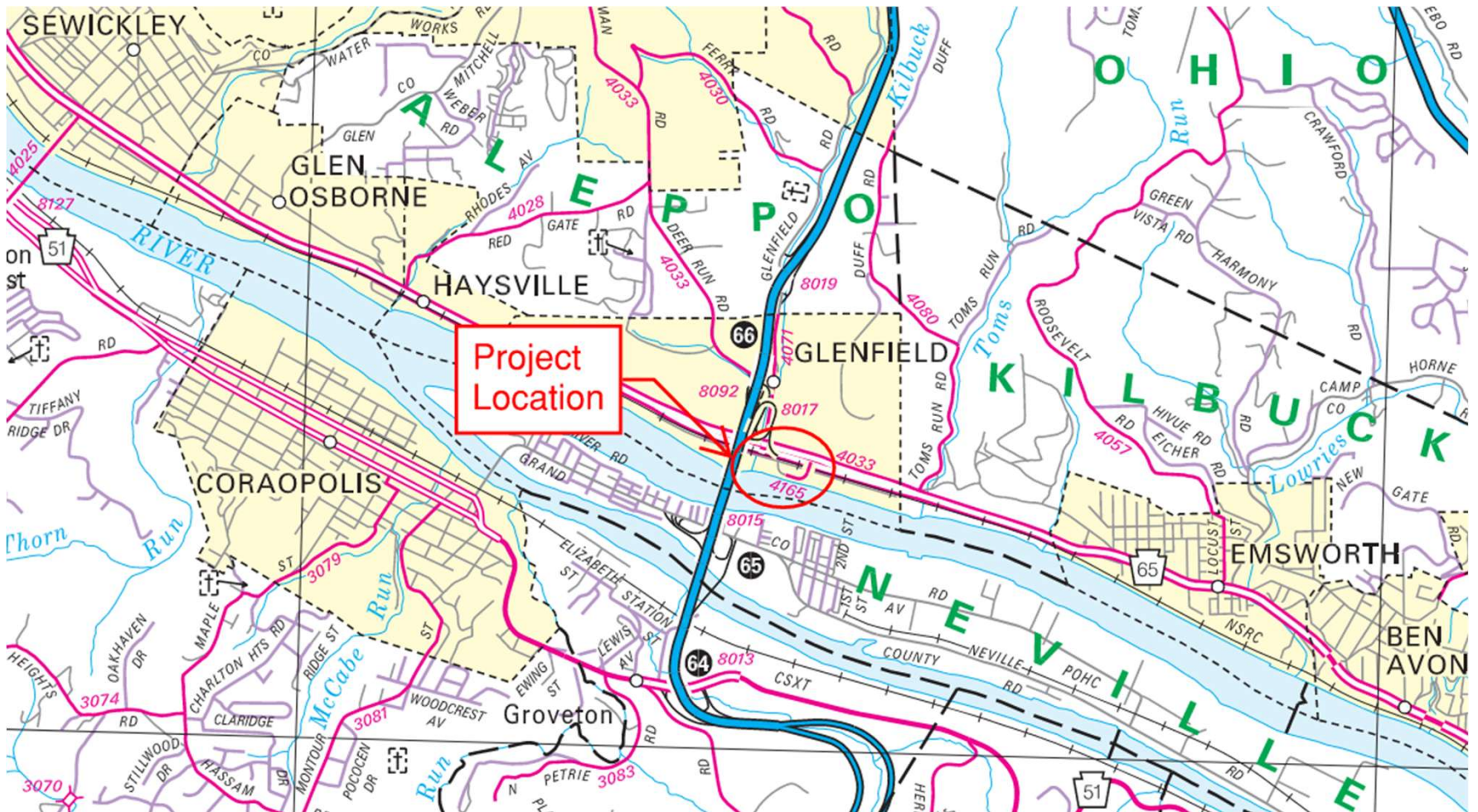
# PROJECT TEAM

- CONSULTANT TEAM
  - SAI Consulting Engineers, Inc.
    - Bill Siess, P.E. | Senior Project Manager
    - Tim O'Donnell, P.E. | Senior Project Engineer - Roadway
    - John Shull, P.E. | Project Engineer - Structures
  - WSP
    - Mike O'Connor, P.E. P.T.O.E. | Traffic Engineering Lead

# PURPOSE AND NEED

- SR 4165 Section A01 (Glenfield Viaduct) Project
  - Presentation Purpose:
    - Introduce the project to the public, gather feedback, and present the proposed design.
  - Project Purpose:
    - To provide a sustainable crossing over the Norfolk Southern Railway tracks.
  - Project Need:
    - The bridge is in fair condition. The bridge has not received a major rehabilitation since it was constructed in 1988.
    - The stair tower is in poor condition.

# LOCATION MAP



# PROPOSED PROJECT IMPROVEMENTS

## Major Construction Activities:

- Deck/Barrier Concrete Repairs
  - Includes placement of a  $\frac{3}{4}$ " polyester polymer concrete (PPC) overlay on the bridge deck.



# PROPOSED PROJECT IMPROVEMENTS

## Major Construction Activities:

- Expansion Joint Replacements
- Drainage Repairs





# PROPOSED PROJECT IMPROVEMENTS

## Major Construction Activities:

- Painting of Superstructure
- Replacement of Bearings, Anchor Bolts, and Concrete Pedestals



# PROPOSED PROJECT IMPROVEMENTS

## Major Construction Activities:

- Substructure Concrete Repairs
- Sidewalk Settlement Repairs



# PROPOSED PROJECT IMPROVEMENTS

## Major Construction Activities:

- Partial Protective Fence Replacement



# PROPOSED PROJECT IMPROVEMENTS

## Major Construction Activities:

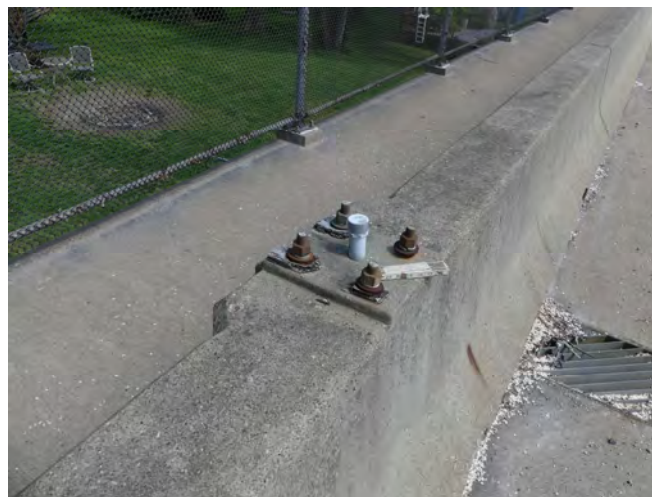
- Repair/Replacement of portions of Pedestrian Stairs and Walkway and Upgraded Lighting



# PROPOSED PROJECT IMPROVEMENTS

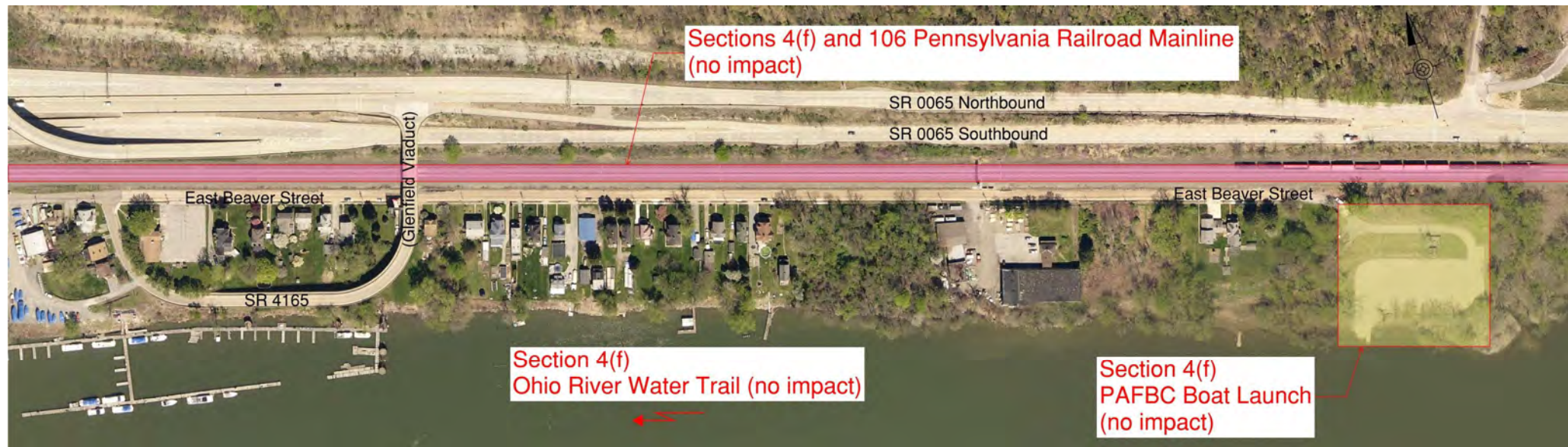
## Major Construction Activities:

- Street Lighting Repairs and Upgrades



# ENVIRONMENTAL FEATURES

- Section 4(f) and Section 106 Resources



# NATIONAL ENVIRONMENTAL POLICY ACT

Public outreach begins with PennDOT Connects and extends into the **NEPA** (National Environmental Policy Act) process:

- PennDOT Connects is a project planning and development approach that engages local and planning partners by collaborating with stakeholders before project scopes are developed.
- NEPA requires agencies to integrate environmental values into their decision-making processes by considering the environmental impacts of their proposed actions and reasonable alternatives to those actions
- NEPA also includes public involvement activities and gathering feedback from the public
- This PowerPoint presentation is part of District 11-0's coordination with the public to obtain feedback on the project and to meet NEPA requirements.



# TRAFFIC CONTROL

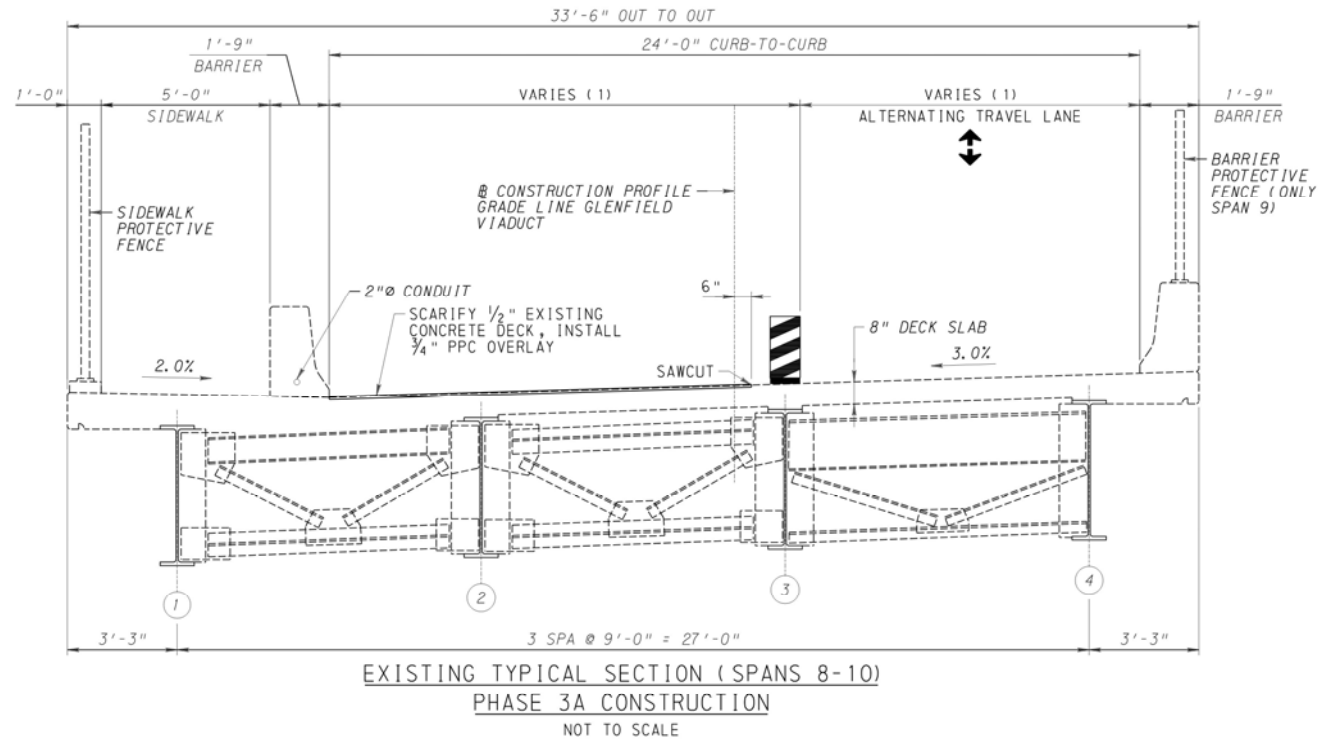
- SR 4165 (Glenfield Viaduct) is the only access point for Phillips Lane, Dawson Avenue, East Beaver Street, River Avenue, and Conrad Street.
- At least one lane of bi-directional traffic on SR 4165 (Glenfield Viaduct) must be maintained at all times.
  - The single lane of traffic will be maintained via flagging and/or temporary traffic signals.
    - It is anticipated that these restrictions will be intermittently imposed during a predetermined construction period that is communicated to the public.
    - Exceptions will be made for emergency vehicles.





# TRAFFIC CONTROL

- Some of the work on the bridge deck will require temporary traffic signals.
  - Lane width restrictions will in place when temporary traffic signals are in use. Larger vehicles will be unable to access the area during predetermined days of the week.



## NOTES

(1) PHASING LANE WIDTHS:

- FOR PHASE 3A AND 3B: PROVIDE A 9'-0" ALTERNATING TRAVEL LANE AND A 14'-0" WORK ZONE DURING WORKING HOURS. PROVIDE A 11'-0" ALTERNATING TRAVEL LANE DURING NON-WORKING HOURS.
- FOR PHASE 1A AND 1B: PROVIDE A 9'-0" ALTERNATING TRAVEL LANE AND A 14'-0" WORK ZONE DURING WORKING HOURS. PROVIDE A 11'-0" ALTERNATING TRAVEL LANE DURING NON-WORKING HOURS.
- FOR PHASES 2A, 2B, 4A, AND 4B: A 12'-0" ALTERNATING TRAVEL LANE MUST BE MAINTAINED.

# TRAFFIC CONTROL



Narrow Bridge Deck



Sharp 90-Degree Bend

# TRAFFIC CONTROL

Ramp and Lane closures on SR 0065 Southbound will be needed for work on Span 10, Abutment 2, and Pier 9. Details are on the following slides.



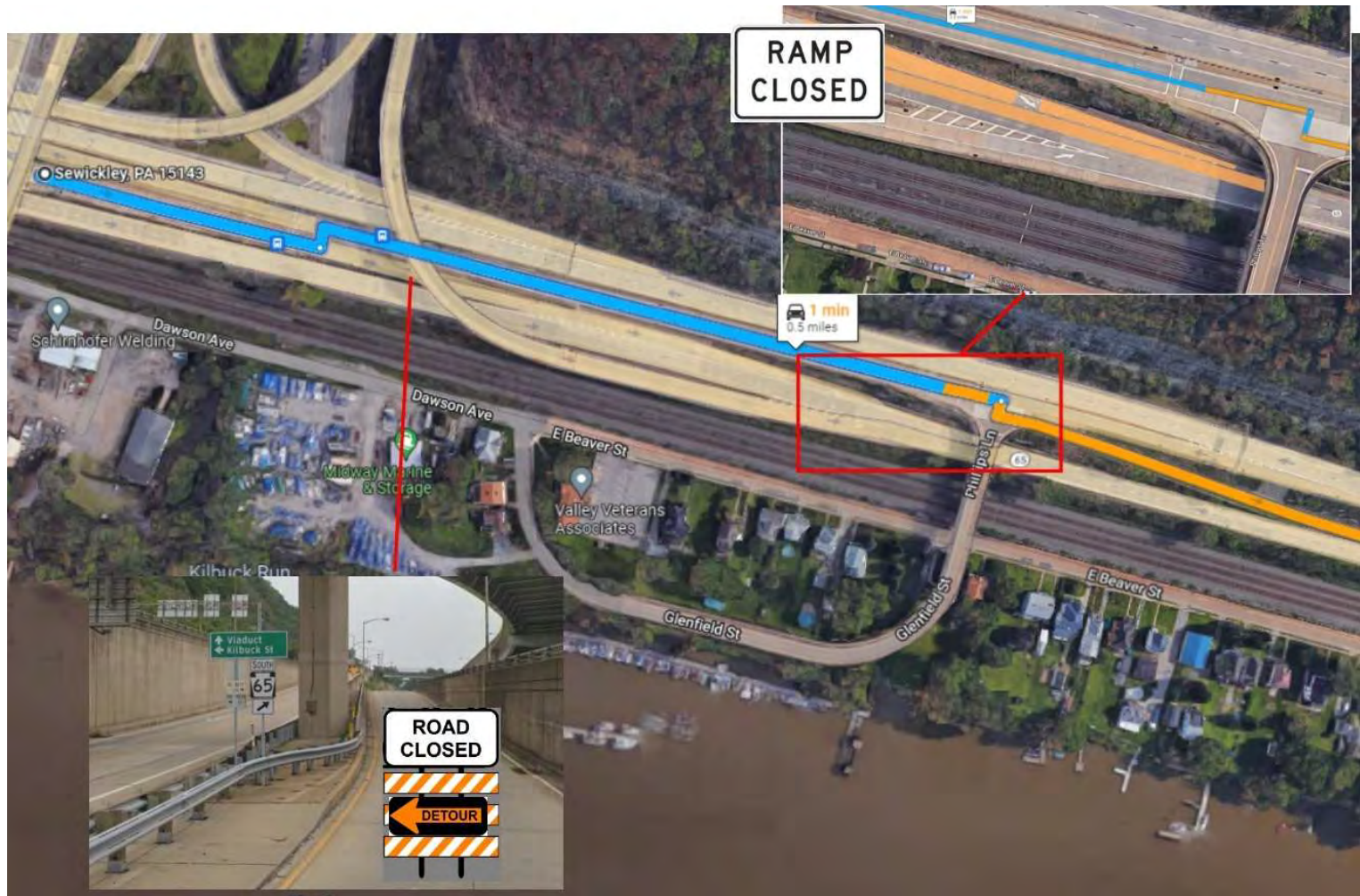
# TRAFFIC CONTROL

Detour for closure of Ramp from Northbound SR 0079 to Southbound SR 0065.



# TRAFFIC CONTROL

Detour for closure of the Ramp from Kilbuck Street to Southbound SR 0065.



# TRAFFIC CONTROL

To prevent traffic spilling back onto SR 0065 Northbound, left turns will be prohibited from SR 0065 Northbound onto the Viaduct. Traffic will follow this detour to access the Glenfield Viaduct.



# TRAFFIC CONTROL

Work underneath the structure at Pier 10 and on the stair tower may require temporary flagging or a temporary stop sign on East Beaver Street.

Overhead utility adjustments may require temporary flagging as well.

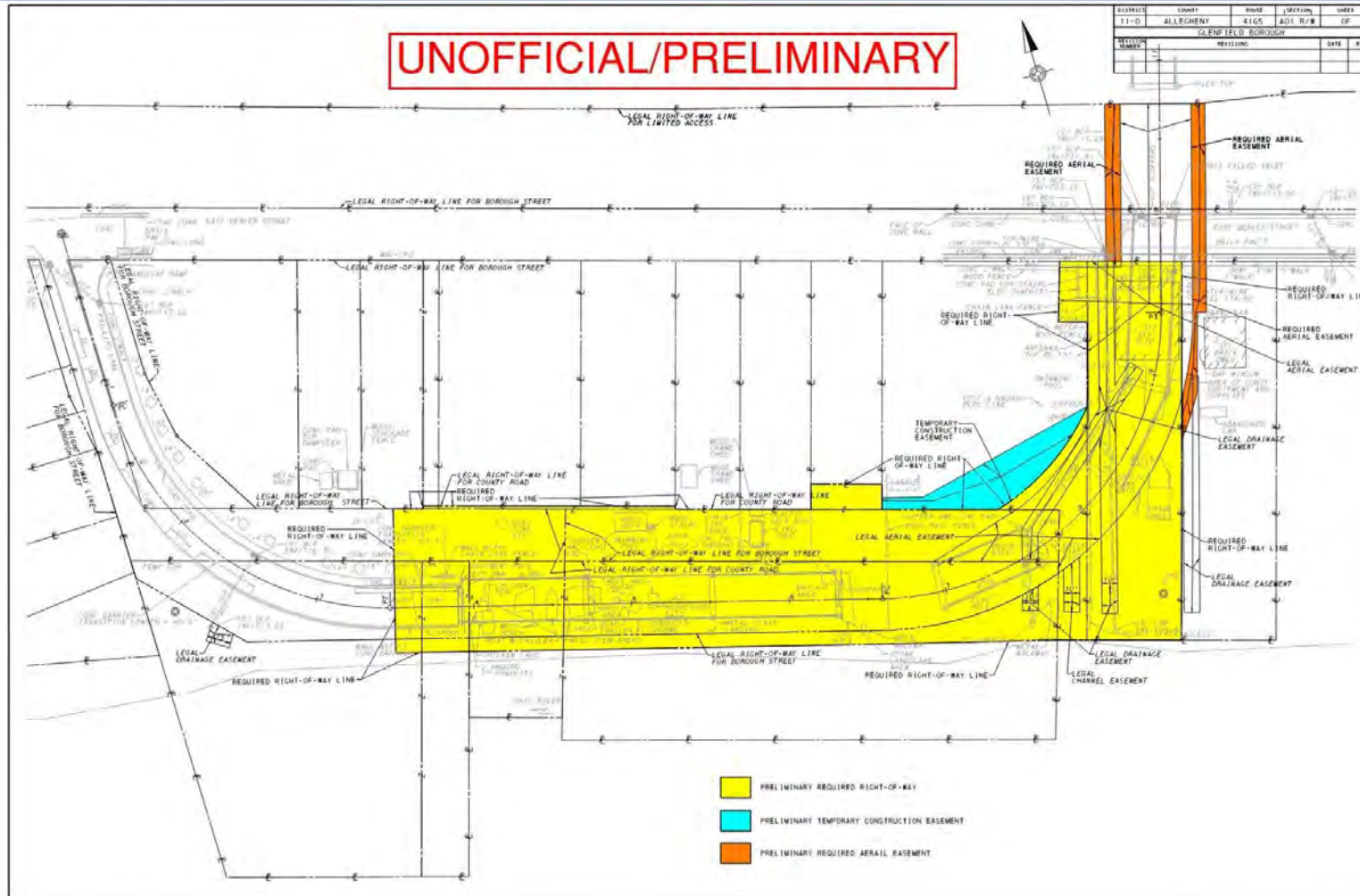


# ANTICIPATED RIGHT-OF-WAY

- **Existing Legal Right-of-Way Transfers:** Glenfield Borough existing legal right-of-way and Allegheny County existing legal right-of-way to be transferred to PennDOT legal right-of-way.
- **Required Right-of-Way:** Anticipate 1 Residential and 2 Commercial property impacts, including one business relocation. This required right-of-way is necessary for construction access during this project and for future inspection and maintenance purposes.
- **Aerial Easements:** Anticipate 1 Residential and 1 Commercial (railroad) property impact. The aerial easements are necessary for future inspection and maintenance purposes.
- **Temporary Construction Easement:** Anticipate 1 Residential property impact. This temporary construction easement is necessary for construction staging.
- Once the Unofficial/Preliminary right-of-way plan is finalized and approved, each property owner that is impacted will be contacted by a PennDOT real estate specialist / negotiator, to explain their right of way impacts and the right of way acquisition process .



# ANTICIPATED RIGHT-OF-WAY



# ANTICIPATED COST AND SCHEDULE

- Complete Preliminary Engineering and Environmental Clearance : Summer 2025
- Final Design: Fall 2025 to Fall 2026
- Right-of-Way Acquisition Process: Fall 2025 to Spring 2027
- Anticipated Construction Cost: \$7 Million
- Anticipated Construction: 2027-2028 Construction Seasons



# CONTACT

## Contact Information:

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Project Manager  
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[schaluvadi@pa.gov](mailto:schaluvadi@pa.gov)

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District Environmental Planning Manager  
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[markyoung@pa.gov](mailto:markyoung@pa.gov)

Steve Cowan  
Press Officer  
412-334-5436  
[stcowan@pa.gov](mailto:stcowan@pa.gov)

## STAY UP TO DATE!

For information on the SR 4165, Section A01 Glenfield Viaduct Preservation Project, please visit our project website at:  
<https://bit.ly/4bfvStP>

SCAN THE QR CODE FOR THE PROJECT WEBSITE:



# QUESTIONS AND ANSWERS

ANY  
QUESTIONS?

