

SR 4023, SECTION 19B (TARRTOWN ROAD)

SLIDES PROJECT

EAST FRANKLIN TOWNSHIP, ARMSTRONG COUNTY

MPMS NO. 119578



AUGUST 26, 2025



Pennsylvania
Department of Transportation

PENNDOT BY THE NUMBERS



Pennsylvania
Department of Transportation



40,000

Miles of
Roadway



25,400

Bridges



\$2.9 Billion
Annual Construction
Contracts Anticipated
For Bid in '25



11,731 Employees
7,095 Maintenance
Employees



52

Transit
Systems



65

Operating
Railroads



3

Ports



120

Public Use
Airports



10.2 Million
Licensed Drivers
& ID Holders



11.8 Million
Registered
Vehicles



\$12 Billion
Budget



100.2 Billion
Annual Vehicle
Miles Traveled*



2,440
Miles of BicyclePA
Routes

LB (4 -25)

*Total miles on all PA roadways



Pennsylvania
Department of Transportation

PROJECT TEAM

- PennDOT Engineering District 10-0

- Devin Patton, P.E. - Project Manager

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- Sucevic, Piccolomini & Kuchar Engineering, Inc.

- Ron Ferlin, PMP – SPK Project Manager

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- Eric Starliper, P.E. – SPK Assistant Project Manager

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PROJECT SUMMARY

- Project Description:

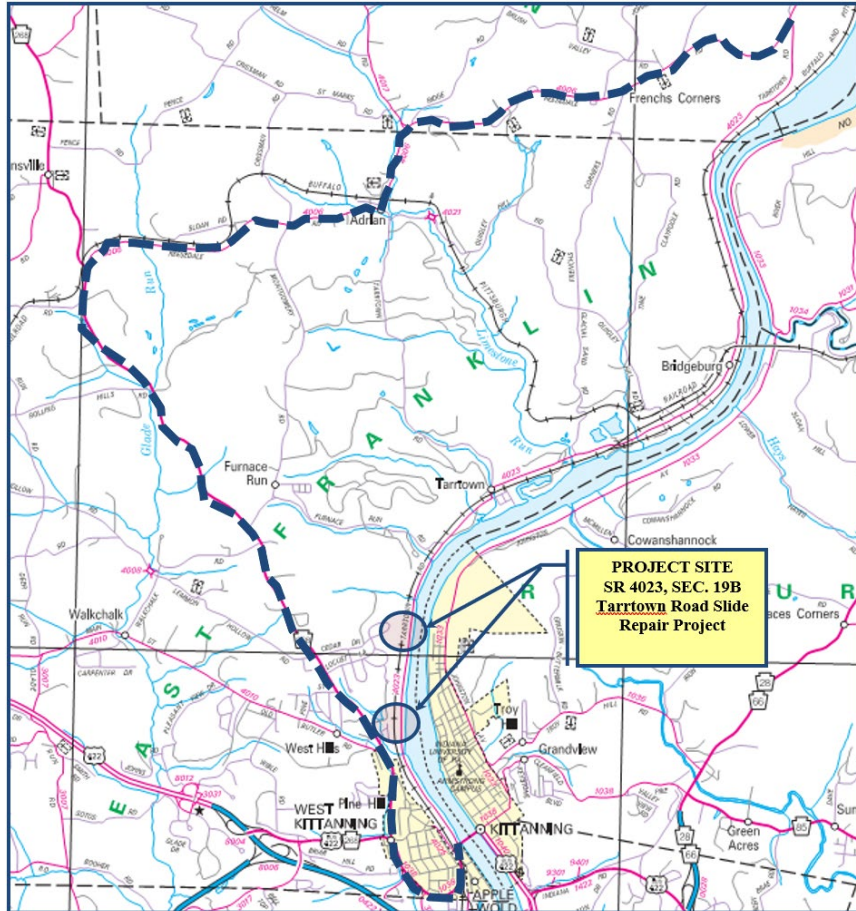
- SR 4023-19B Tarrtown Road Slide Project is located in East Franklin Township, Armstrong County. The project consists of the repair of two separate slide locations, one in segment 0030 and one in segment 0040 through the use of soil nails. This project will also include full depth reconstruction within the limits of the two slides. The project will not change the alignment of SR 4023 however will slightly alter the roadway profile. Traffic is anticipated to be maintained via half width construction. Construction of the project is anticipated in 2027.

- Project Purpose and Need:

- The purpose of this project is to create a stable slope supporting SR 4023 along with improved portions of the roadway. The existing roadway and slope are deteriorating and stability is compromised.



PROJECT LOCATION



PROJECT PHOTOS



Photo 1: Segment 0030 Slide

Photo 2: Segment 0030 Slide



PROJECT PHOTOS



Photo 3: Segment 0040 Slide

Photo 4: Segment 0040 Slide



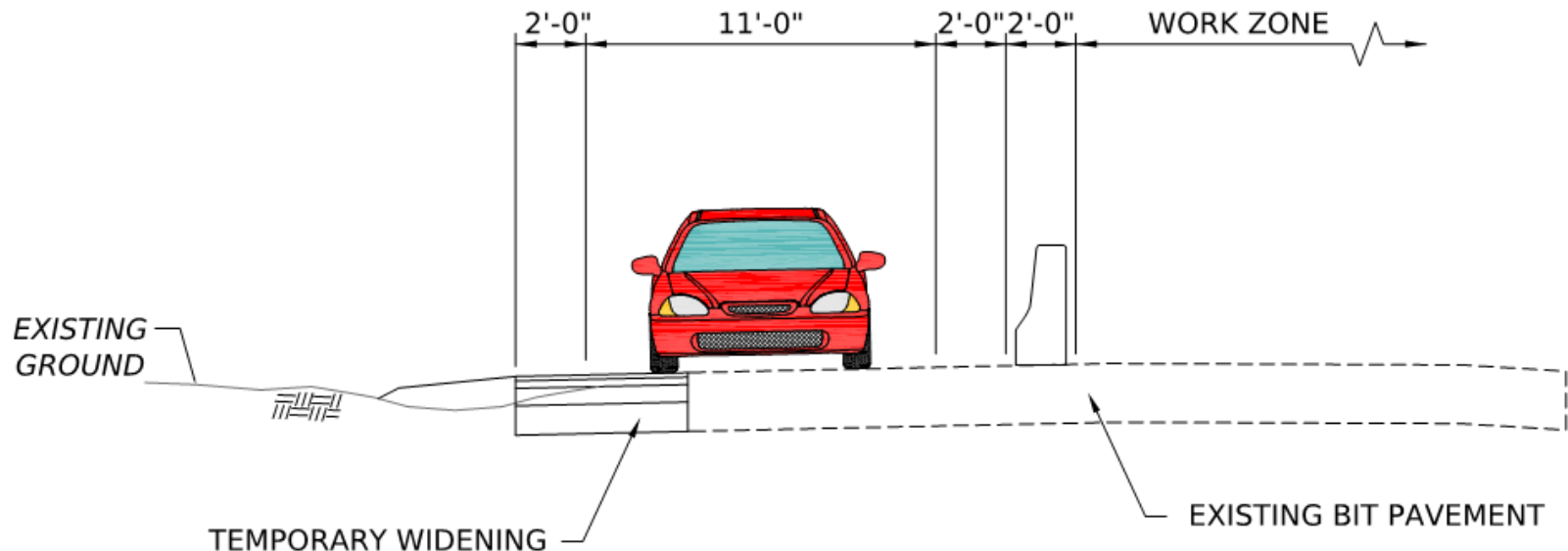
PROJECT IMPROVEMENTS

- Planned improvements for the project location include the following:
 - Utilization of soil nails to stabilize slopes supporting SR 4023
 - Full reconstruction of the existing lane and shoulders
 - New guide rail in both reconstructed portions of SR 4023
 - Improved drainage and stormwater management

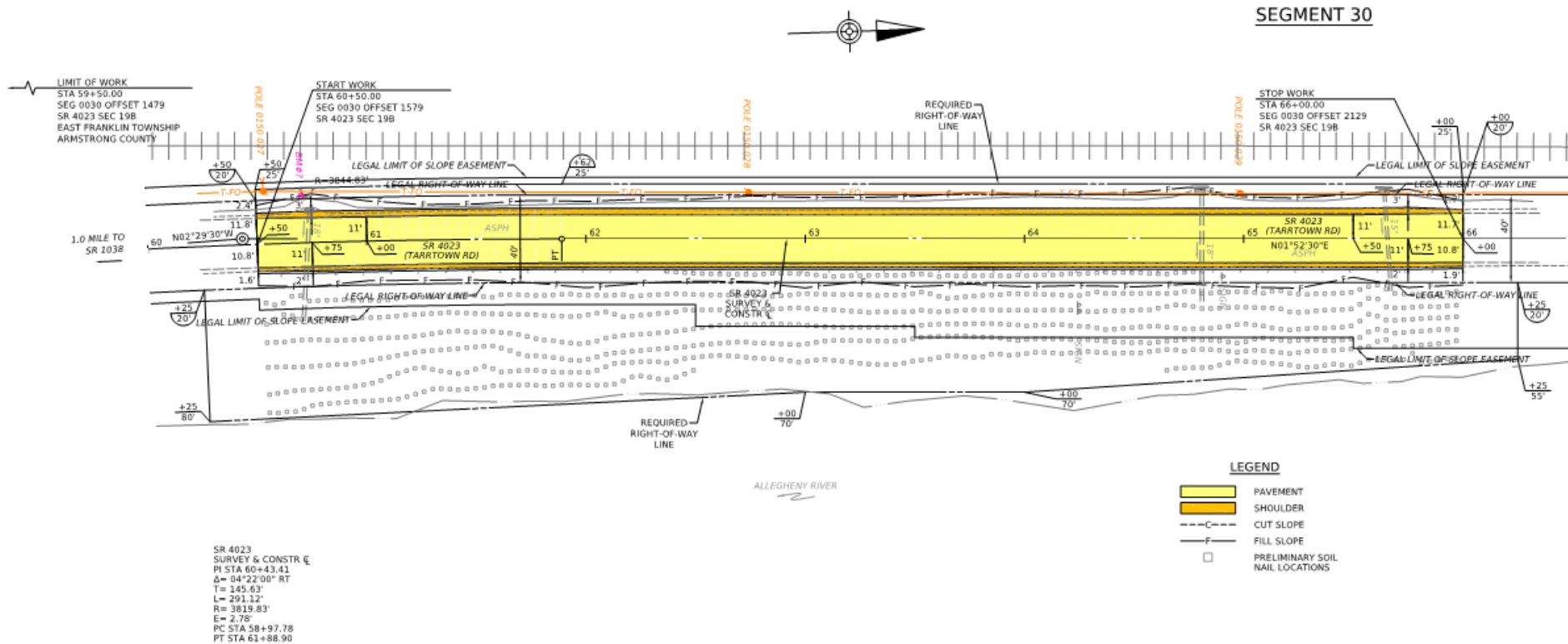


PROJECT TRAFFIC CONTROL

- Traffic will be controlled utilizing the existing roadway and one-way traffic signals.
- Construction will be limited to one slide location at a time to reduce wait times along the corridor.
- The one-way traffic will have a 10' lane and 2' shoulders on each side to navigate the work zone.



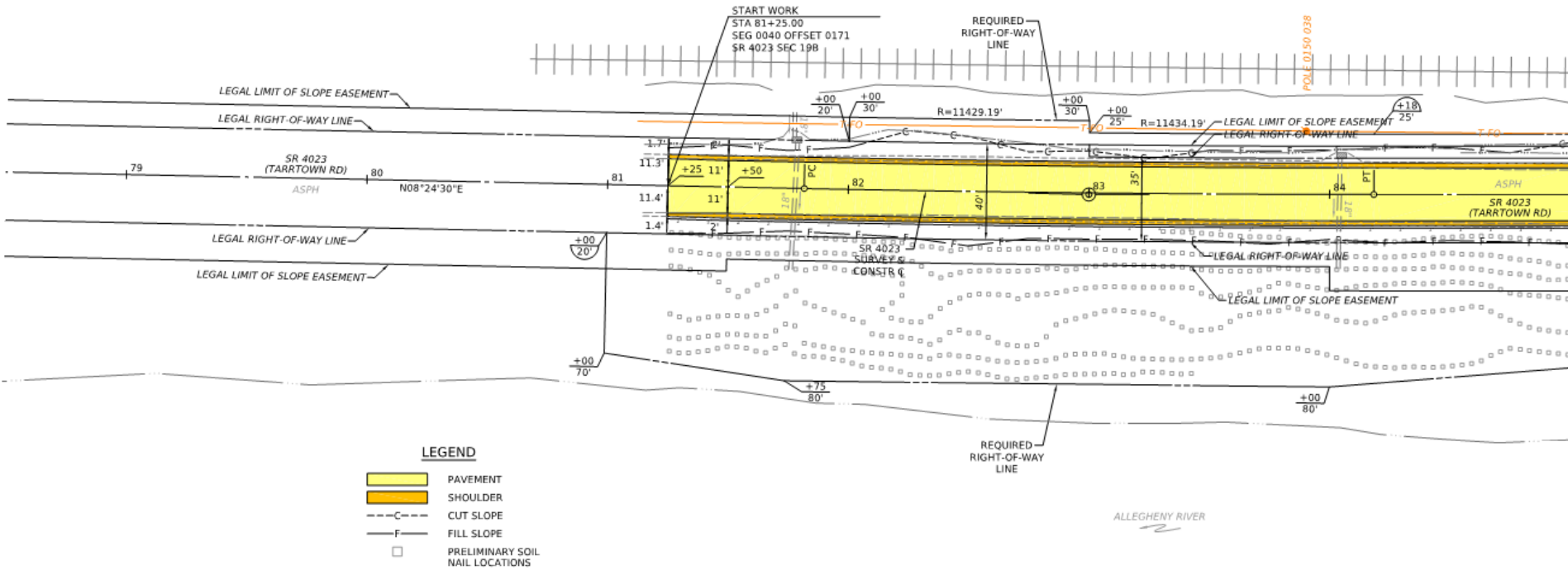
PROJECT ROADWAY PLAN



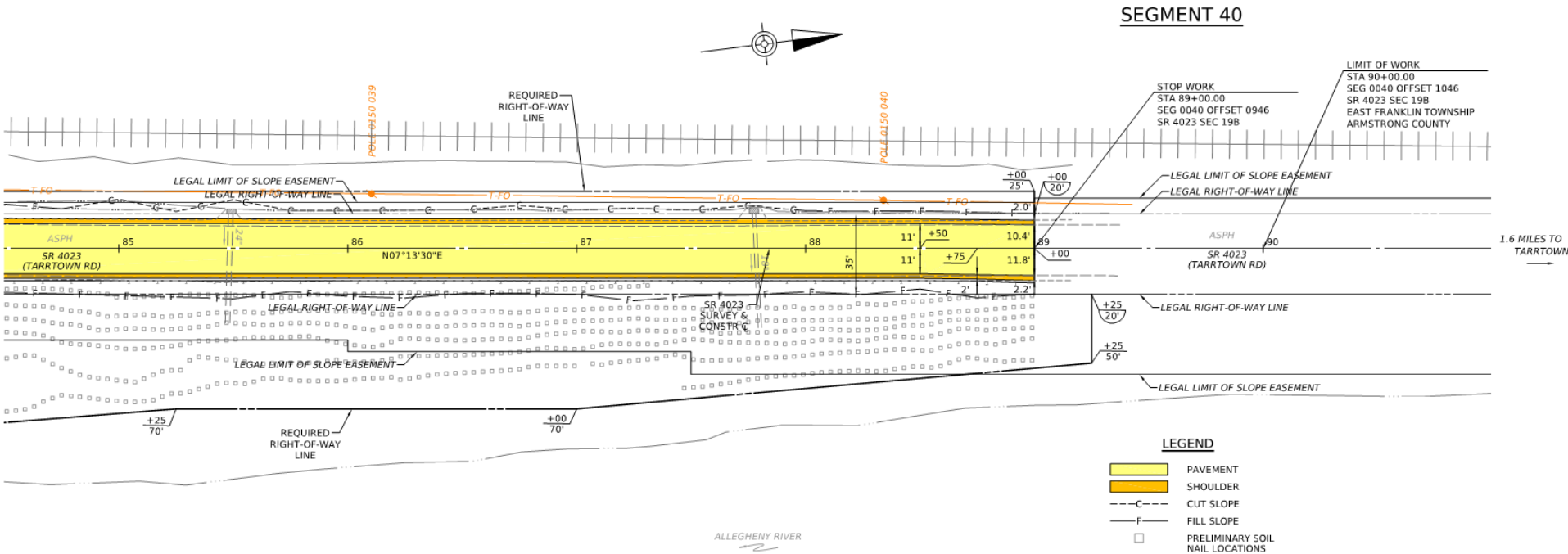
PROJECT ROADWAY PLAN

SR 4023
SURVEY & CONSTR Q
PI STA 83+00.01
 $\Delta = 01^{\circ}11'00''$ LT
T = 118.34'
L = 236.67'
R = 11459.19'
E = 0.61'
PC STA 81+81.67
PT STA 84+18.34

SEGMENT 40

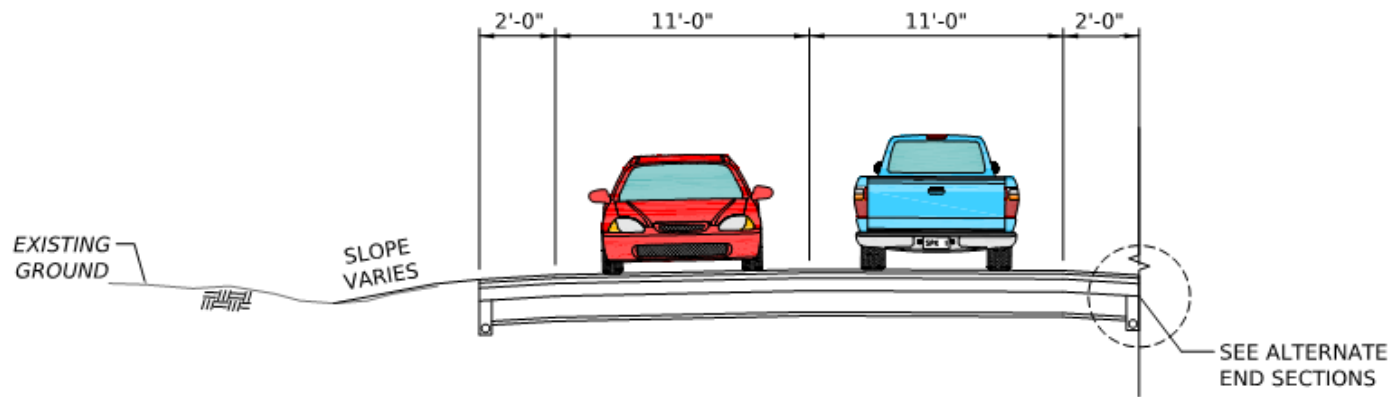


PROJECT ROADWAY PLAN



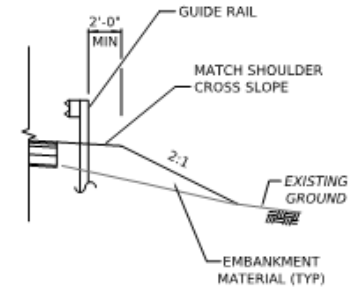
PROJECT ROADWAY TYPICAL

- The proposed SR 4023 roadway will utilize 11' lanes and 2' shoulders to match the existing roadway width.
- Guide rail will be utilized along the entire length of the project along the right side of the road (Allegheny River side)

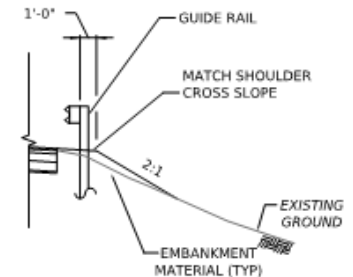


TYPICAL TANGENT SECTION

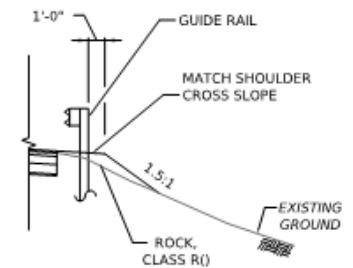
SR 4023
NOT TO SCALE



ALTERNATE END SECTION RT (A)
NOT TO SCALE



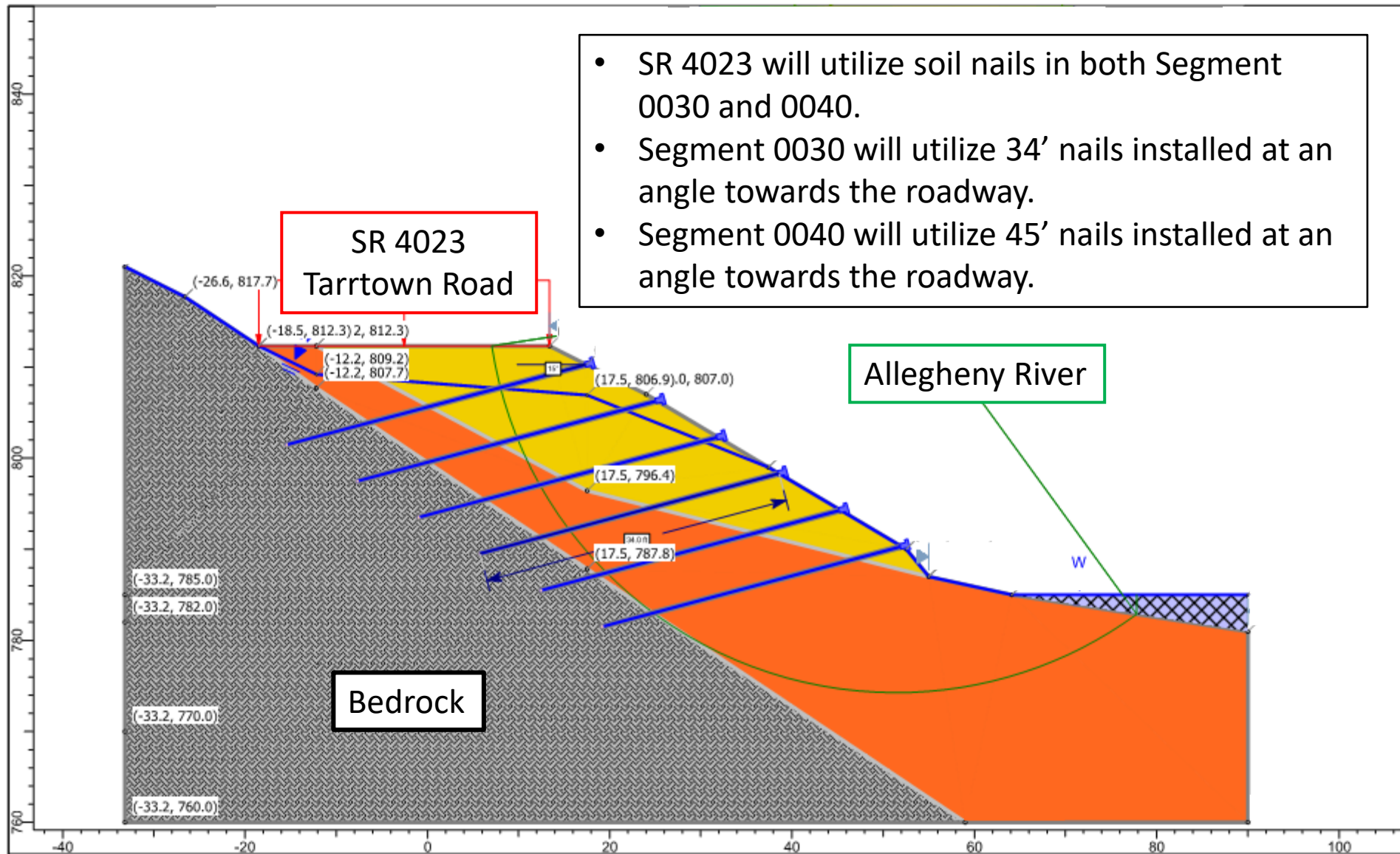
ALTERNATE END SECTION RT (B)
NOT TO SCALE



ALTERNATE END SECTION RT (C)
NOT TO SCALE



PROJECT SLIDE REPAIR



- SR 4023 will utilize soil nails in both Segment 0030 and 0040.
- Segment 0030 will utilize 34' nails installed at an angle towards the roadway.
- Segment 0040 will utilize 45' nails installed at an angle towards the roadway.

PROPOSED PROJECT SCHEDULE

- Complete Preliminary Engineering: Summer 2025
- Begin Final Design: Summer 2025
- Begin Right-of-Way Acquisition: Spring 2026
- Open Bids: Fall 2026
- Construction: June-August 2027

(Dates Subject to Change)



PROJECT CONSULTATION

- Interested in becoming a Consulting Party for this Project?
 - A consulting party is a group or individual who has a demonstrated interest in the project, due to their legal or economic relationship to the undertaking or affected property. For example, consulting parties can be:
 - The local government
 - Property owners in the project area
 - Historical societies or preservations groups
- Please utilize the QR Code to fill out an application.



QUESTIONS?



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