

SR 4008, SECTION 351

**BRIDGE REPLACEMENT PROJECT
KNOX TOWNSHIP, CLARION COUNTY
MPMS NO. 117751**



SHAWN KAISER, MAY 2026

PROJECT TEAM

- PennDOT Engineering District 10-0
 - Project Manager – Shawn Kaiser, E.I.T.
- Sucevic, Piccolomini, & Kuchar (SPK) Engineering, Inc.
 - Project Manager – Ron Ferlin, P.M.P.
 - Project Engineer – Perry M. Schweiss, P.E.
 - Design Engineer – Eric Starliper, P.E.
- Stakeholders
 - Knox Township
 - Emergency Management Services
 - Local Residences



PROJECT SUMMARY

- Project Description:

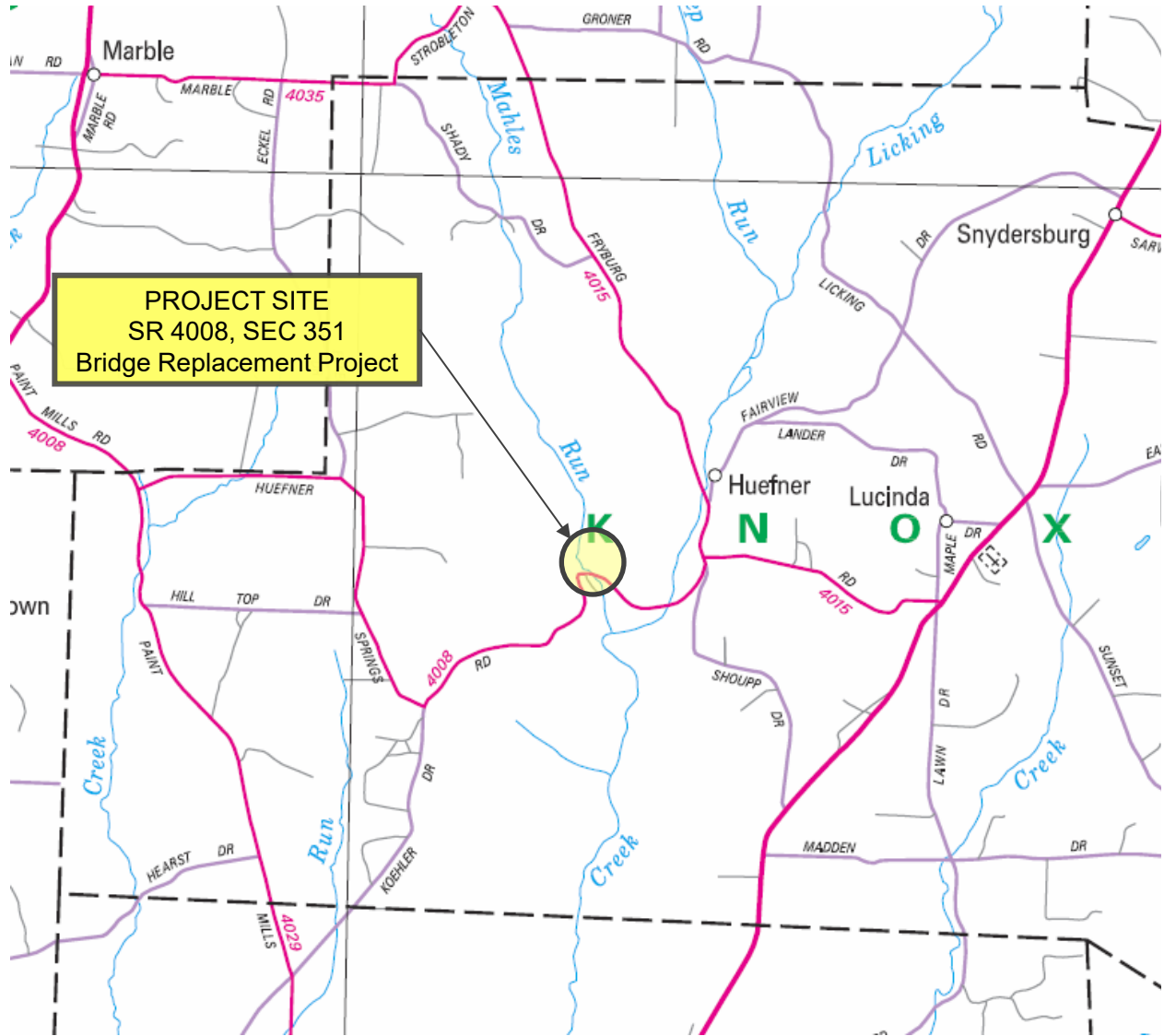
- SR 4008-351 over Mahles Run is located in Knox Township, Clarion County. The project consists of the replacement of a single span, pipe-arch culvert carrying SR 4008 over Mahles Run with Precast Reinforced Concrete Box Culvert. Approach roadway work will consist of minor approach roadway work to construct the proposed culvert and improve the superelevation in the immediate area surrounding the structure. The horizontal alignment will match the existing alignment while the vertical grade will be raised slightly. Traffic is anticipated to be maintained via detour. Construction of this project is anticipated in 2029.

- Project Purpose and Need:

- The purpose of this project is to provide a safe reliable crossing of Mahles Run on SR 4008 which meets current design criteria and structural capacity needs. The existing structure is in poor condition due to advanced section loss and corrosion of the existing corrugated metal pipe arch.



PROJECT LOCATION



PROJECT PHOTOS

Photo 1: Downstream opening of the existing structure.



Photo 2: Upstream opening of the existing structure.



PROJECT PHOTOS

**Photo 3: Looking East
over Existing Structure**



**Photo 4: Looking West
from Existing Structure**



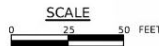
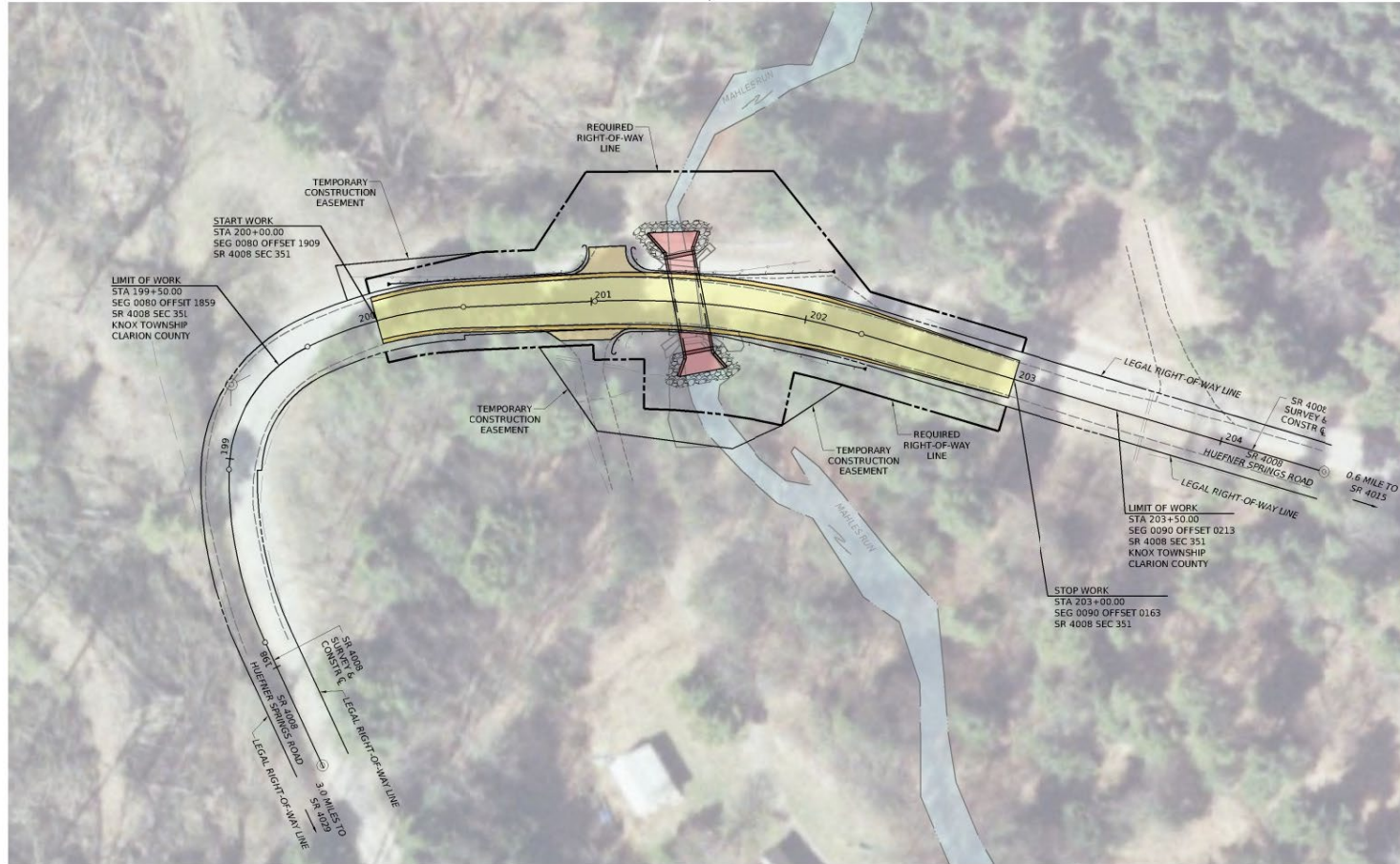
PROJECT IMPROVEMENTS

- Planned improvements for the project location include the following:
 - Construction of a precast reinforced concrete box culvert in the same location as the existing metal pipe-arch culvert.
 - Full depth reconstruction of the roadway 150' east and west of the proposed structure.
 - New guide rail attached to the proposed structure



PROJECT ROADWAY PLAN (AERIAL)

SR 4008, SECTION 351
PLAN VIEW



Preliminary
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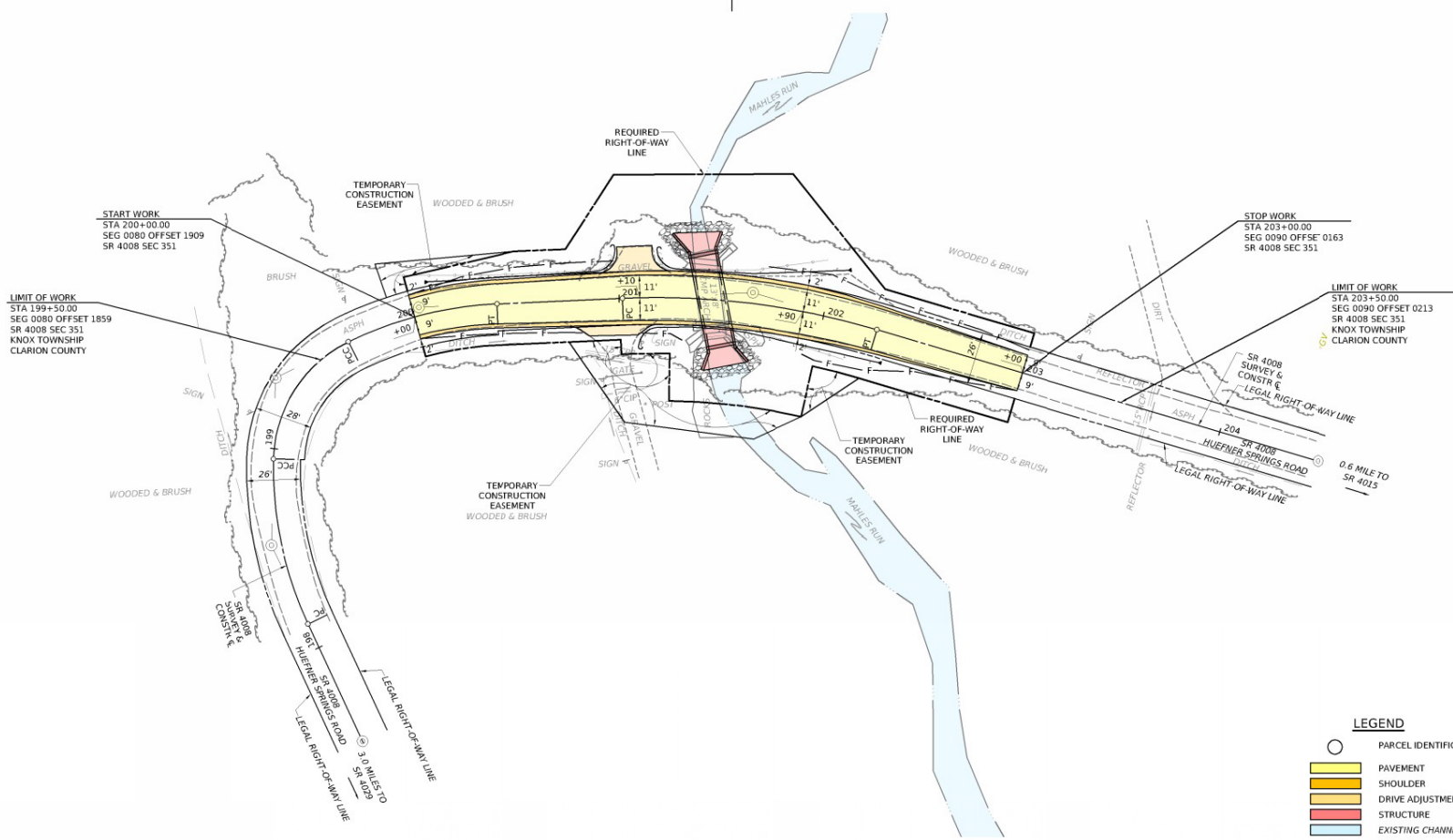
LEGEND

	PAVEMENT
	SHOULDER
	DRIVE ADJUSTMENT
	STRUCTURE
	EXISTING CHANNEL



PROJECT ROADWAY PLAN

SR 4008, SECTION 351
PLAN VIEW



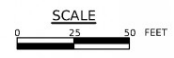
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SEG 0080 OFFSET 1909
SR 4008 SEC 351

LIMIT OF WORK
STA 199+50.00
SEG 0080 OFFSET 1859
SR 4008 SEC 351
KNOX TOWNSHIP
CLARION COUNTY

STOP WORK
STA 203+00.00
SEG 0090 OFFSET 0163
SR 4008 SEC 351

LIMIT OF WORK
STA 203+50.00
SEG 0090 OFFSET 0213
SR 4008 SEC 351
KNOX TOWNSHIP
CLARION COUNTY

- LEGEND**
- PARCEL IDENTIFICATION NUMBER
 - PAVEMENT
 - SHOULDER
 - DRIVE ADJUSTMENT
 - STRUCTURE
 - EXISTING CHANNEL
 - FILL SLOPE
 - PERMANENT IMPACT ATTENUATING DEVICE, TYPE II, TEST LEVEL 3, TANGENT (MASH)
 - TERMINAL SECTION, SINGLE

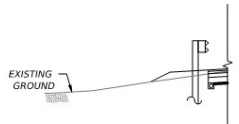


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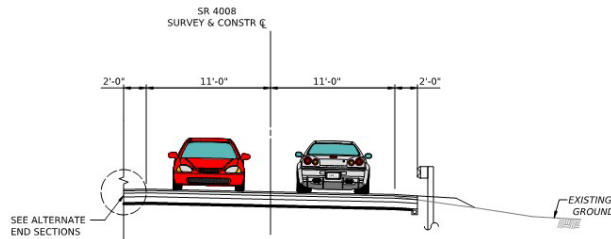


PROJECT ROADWAY TYPICAL

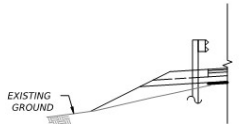
SR 4008, SECTION 351
TYPICAL SECTION



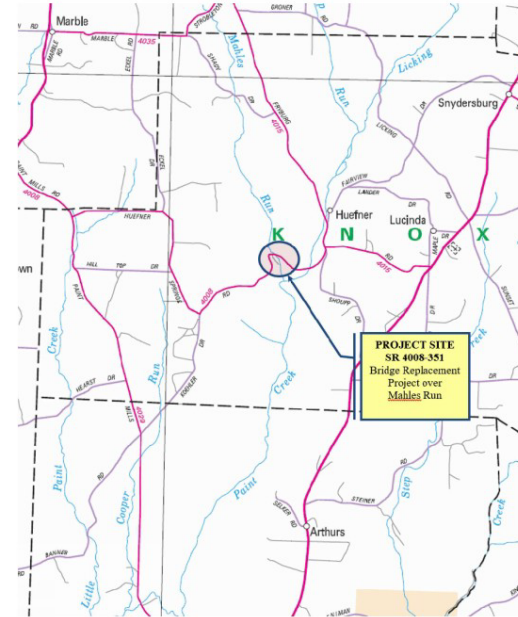
ALTERNATE END SECTION LT (A)
STA 200+00.00 TO STA 200+50.00
STA 202+00.00 TO STA 203+00.00
NOT TO SCALE



TYPICAL SUPERELEVATED SECTION
SR 4008
STA 200+00.00 TO STA 203+00.00



ALTERNATE END SECTION LT (B)
STA 200+50.00 TO STA 202+00.00
NOT TO SCALE



SR 4008, SECTION 351 PROJECT SCHEDULE	
PRELIMINARY DESIGN	COMPLETE SUMMER/FALL 2026
BEGIN FINAL DESIGN	FALL/WINTER 2026
BEGIN R/W ACQUISITION	SPRING 2027
OPEN BIDS	FALL 2027
ROADWAY CLOSURE AND CONSTRUCTION	SUMMER 2029

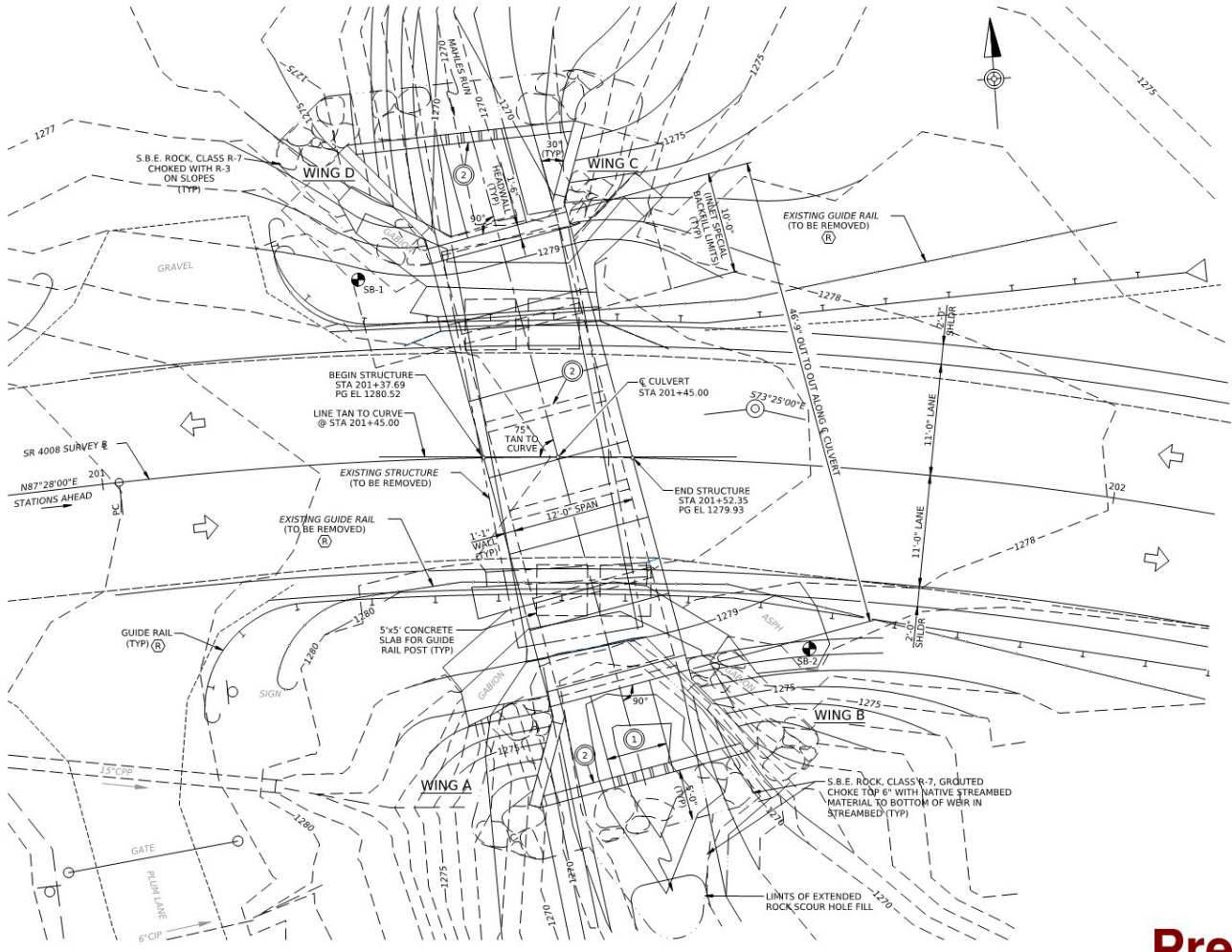
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PROJECT STRUCTURE PLAN

SR 4008, SECTION 351
STRUCTURE



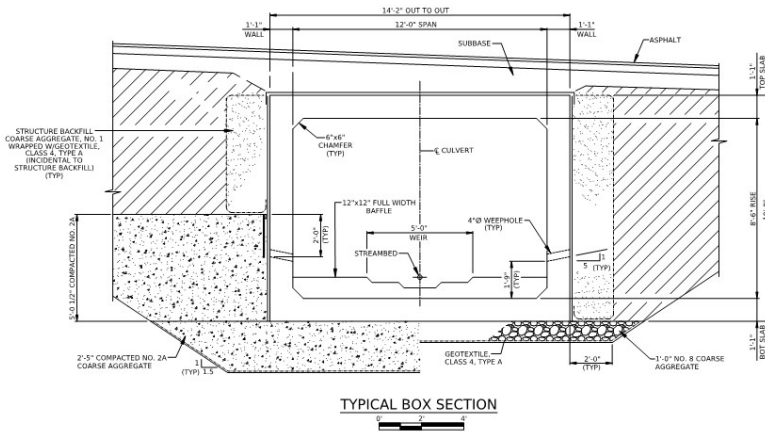
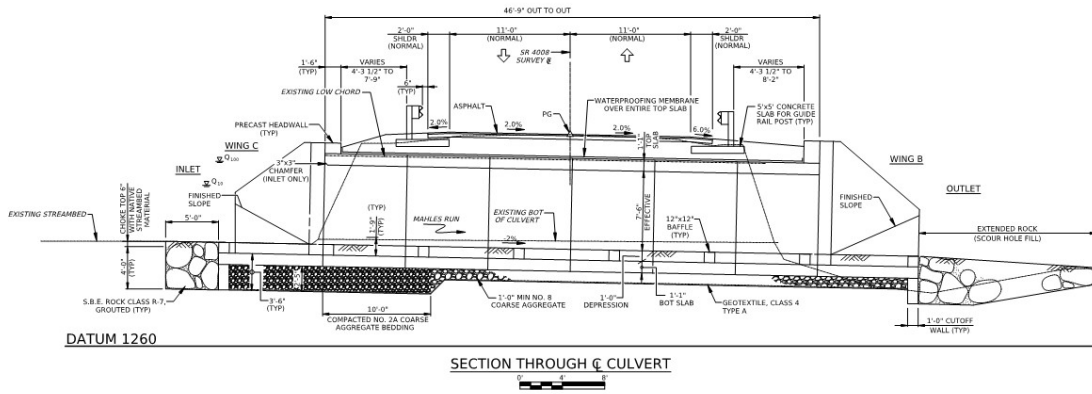
PLAN
0 6 12'

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PROJECT STRUCTURE PLAN

SR 4008, SECTION 351
STRUCTURE



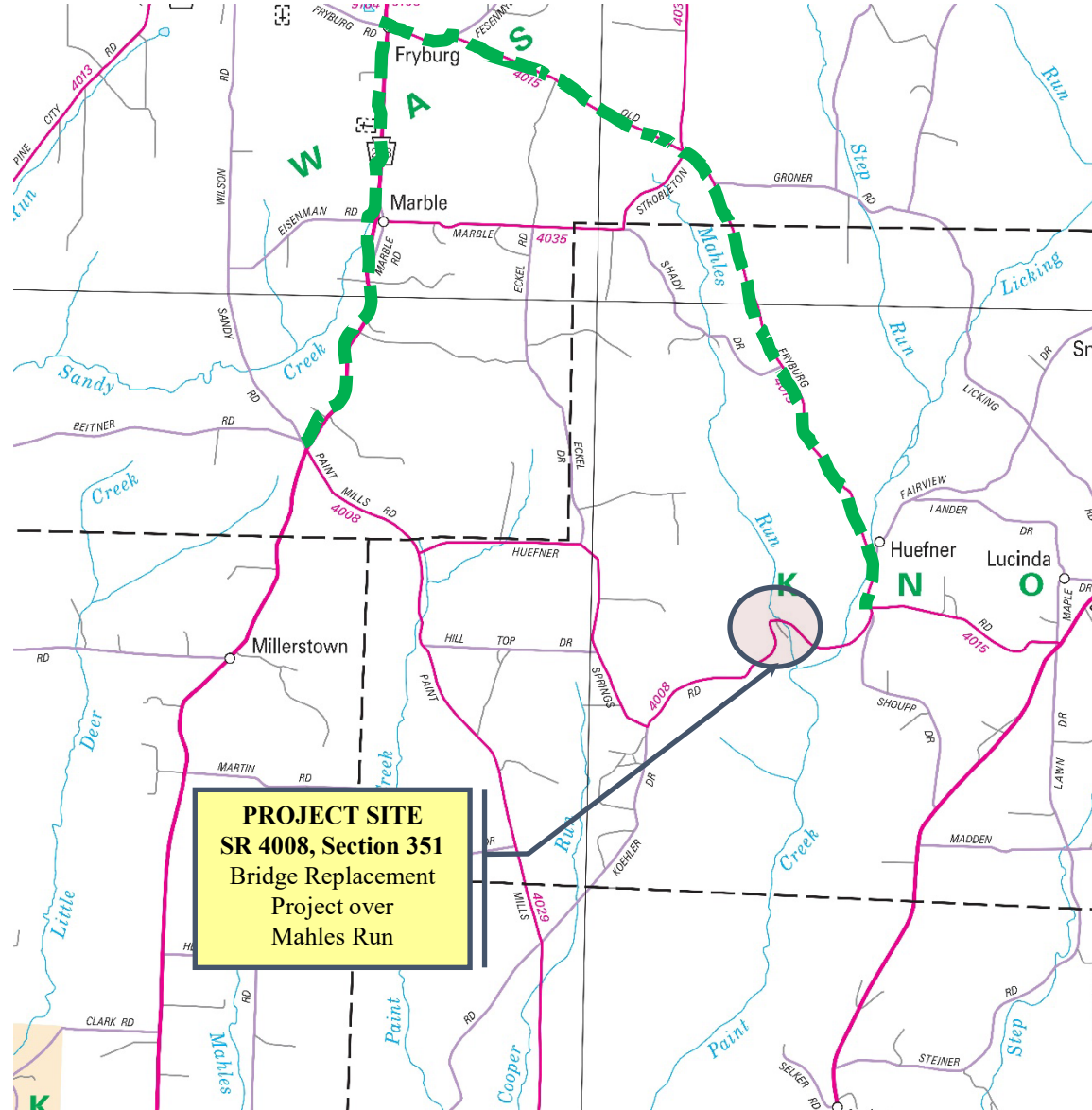
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PROJECT DETOUR

- A detour will be utilized to maintain traffic as part of this project.
- The detour will utilize Route 4015 and Route 208 and will be approximately 6.7 miles long.
- Duration of the detour is anticipated to be two months during the summer of 2029.



PROJECT IMPACTS AND MILESTONES

- Public Utility Impacts:
 - There are no anticipated utility impacts associated with this project.
- Major Project Milestones:
 - Complete Preliminary Engineering: Summer/Fall 2026
 - Begin Final Design: Fall/Winter 2026
 - Begin Right-of-Way Acquisition: Spring 2027
 - Open Bids: Fall 2028 (Official let date)
 - Construction: Summer 2029
- Construction Cost:
 - Estimated to be less than \$1,000,000 Dollars.



QUESTIONS?

CONTACT PENNDOT PROJECT MANAGER IF YOU HAVE ANY QUESTIONS / CONCERNS.

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