

**Pennsylvania Department of Transportation**  
**Engineering District 8-0**  
**SR 0147-017, Dauphin County (MPMS# 90772)**  
**Market Street Bridge Replacement over Shippens Run**

**Project Information**

The SR 0147 Market Street bridge replacement project is located over Shippens Run within Millersburg Borough and Upper Paxton Township, Dauphin County, just south of the Oak Hill Cemetery.

The purpose of this project is to maintain the long-term transportation efficiency and viability of SR 0147 by providing an improved crossing of Shippens Run, while maintaining the roadway network. The need for the proposed project is based upon the structural deterioration related to the age of the existing bridge carrying SR 0147 over Shippens Run.

The project consists of replacing the existing 100-year old stone masonry arch bridge, approach roadway pavement replacement to match the existing width, replacing the existing 5-foot sidewalk with a 10-foot sidewalk on each side of the bridge, and minor drainage updates. To facilitate the bridge replacement, PennDOT proposes to open the downstream channel and maintain its embankment utilizing stacked stone retaining walls. Railing and barrier posts would be installed as protective measures for the open channel. (Please refer to the project's Preliminary Plan graphic)

**Environmental**

The project area is located within the Lykens Valley Rural Historic District. The Oak Hill Cemetery and adjacent industrial building, within the project area, contribute to the District. Also, within the project area is the Northern Central Railway, currently owned by Norfolk Southern. This rail line was determined to be eligible for the National Register of Historic Places. Both resources are considered Section 4(f) properties. Section 4(f) refers to the U.S. Department of Transportation Act of 1966 which provided for consideration of park and recreation lands, wildlife and waterfowl refuges, and historic sites during transportation project development. Minor use of these properties will occur as a result of the project, however, the Pennsylvania Historical and Museum Commission has determined that no adverse effect will occur on the resources. PennDOT is currently preparing a Determination of Section 4(f) De Minimis Use/Section 2002 No Adverse Use for Historic Properties Form. Other environmental efforts for the project included aquatic resource investigations, hazardous waste studies, and threatened and endangered species coordination.

**Utilities**

The project may involve aerial and underground utility relocations. The underground relocations would include publicly owned sewer and water.

**Right of Way**

Permanent and/or temporary right-of-way acquisitions are anticipated on up to 5 parcels to allow construction of the proposed project features, including for channel easements and substitute right-of-way for utilities.

**Maintenance and Protection of Traffic**

A single direction detour for northbound traffic will be utilized during construction. Cars and smaller trucks will be re-routed via a 1.3-mile detour on local roads. Trucks over 40 foot will be re-routed via a separate 34-mile truck detour route utilizing state owned roadways. The detours are anticipated to be in place for 4 months. All southbound traffic (including trucks) will continue to be maintained through the bridge construction area during each stage of the bridge's half-width construction. Pedestrians and bicycles will not be directly accommodated across the bridge during the construction phase. The use of a temporary traffic signal was considered; however, this option was dismissed in the early design stages due to anticipated long queue lengths, which would block several commercial driveways. (Please refer to project's Detour Plan graphic)

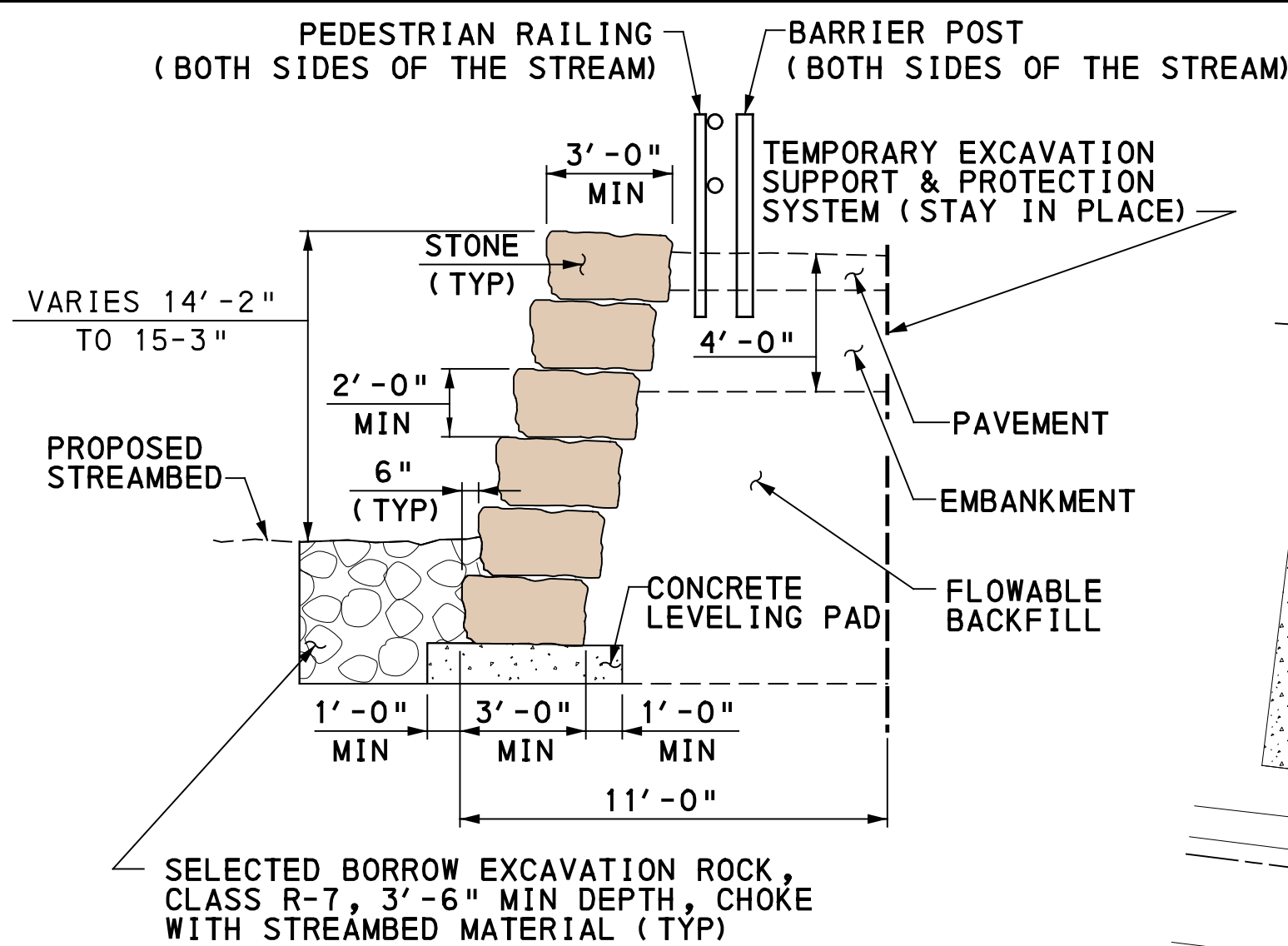
**Schedule and Cost**

Overall construction is anticipated to last approximately 6 months during the spring/summer of 2022 at an estimated construction cost of \$2.4 million.

**Contact**

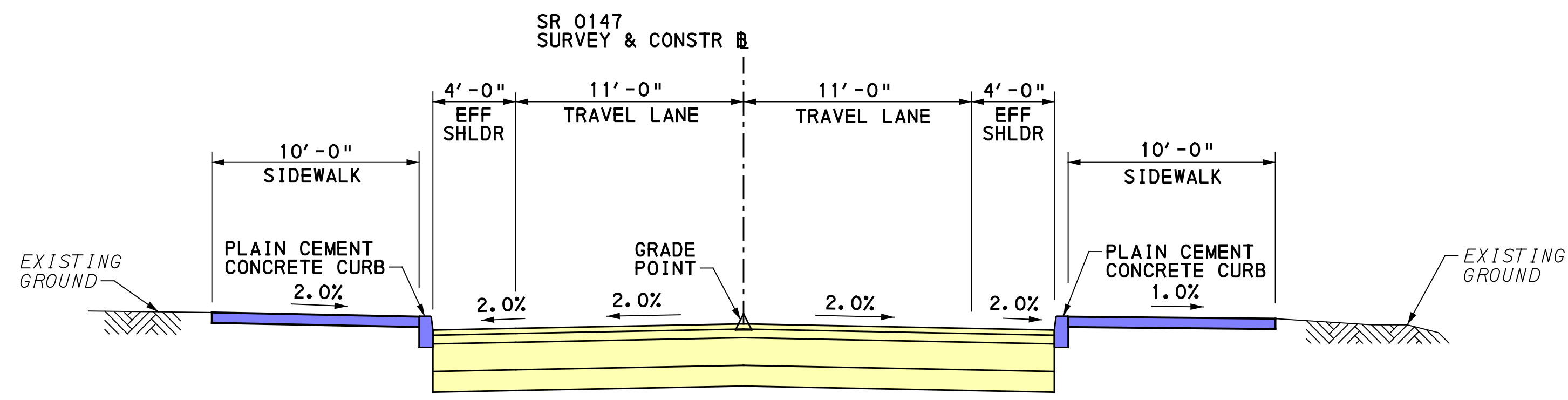
If there are any questions or concerns related to the project, please contact Jeffrey Chubb, P.E., Consultant Senior Project Manager of Gannett Fleming, Inc., at (717) 886-5316 or email him at [jchubb@gfnet.com](mailto:jchubb@gfnet.com).

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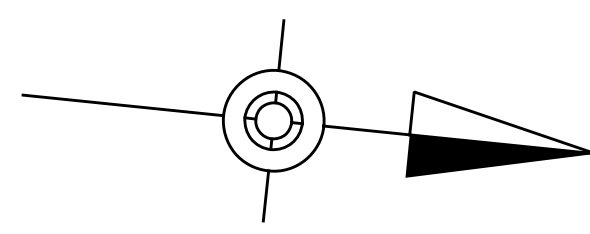
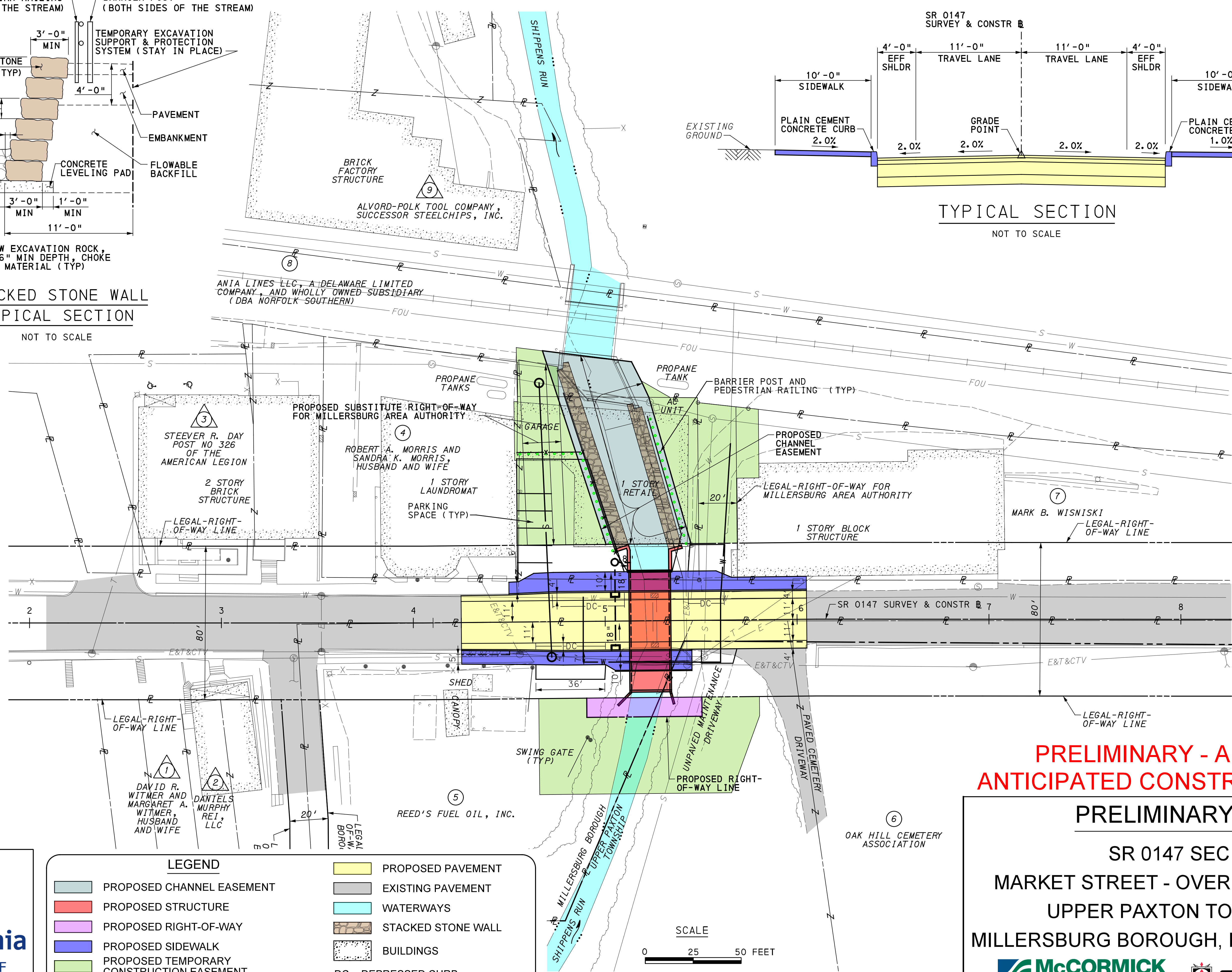
**STACKED STONE WALL  
TYPICAL SECTION**

NOT TO SCALE



**TYPICAL SECTION**

NOT TO SCALE



**PRELIMINARY - APRIL 2020  
ANTICIPATED CONSTRUCTION - 2022**

**PRELIMINARY PLAN**

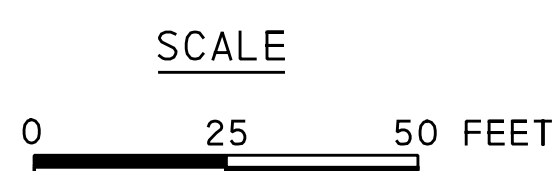
SR 0147 SEC 017  
MARKET STREET - OVER SHIPPENS RUN  
UPPER PAXTON TOWNSHIP &  
MILLERSBURG BOROUGH, DAUPHIN COUNTY

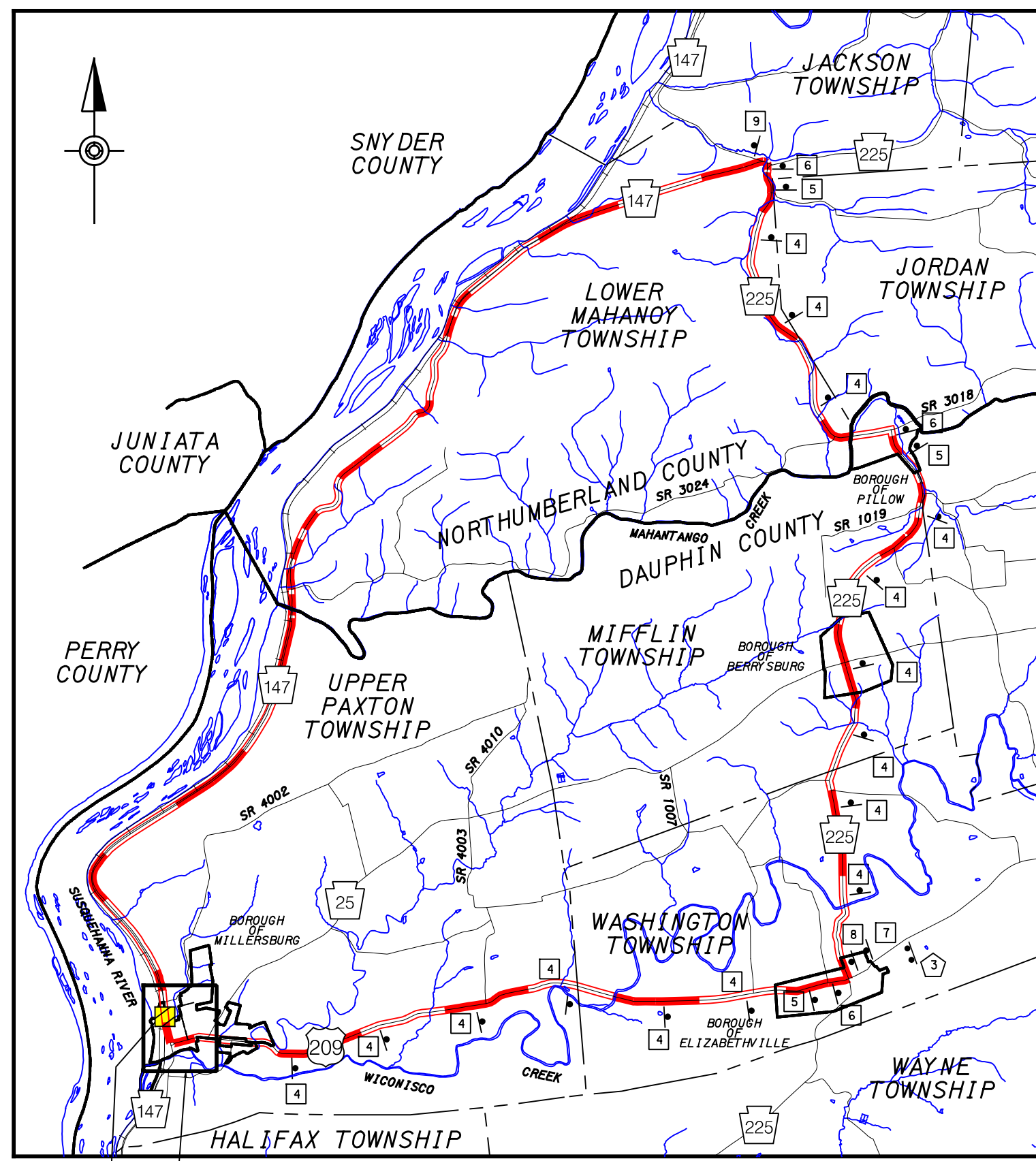


**LEGEND**

	PROPOSED CHANNEL EASEMENT		PROPOSED PAVEMENT
	PROPOSED STRUCTURE		EXISTING PAVEMENT
	PROPOSED RIGHT-OF-WAY		WATERWAYS
	PROPOSED SIDEWALK		STACKED STONE WALL
	PROPOSED TEMPORARY CONSTRUCTION EASEMENT		BUILDINGS

DC = DEPRESSED CURB

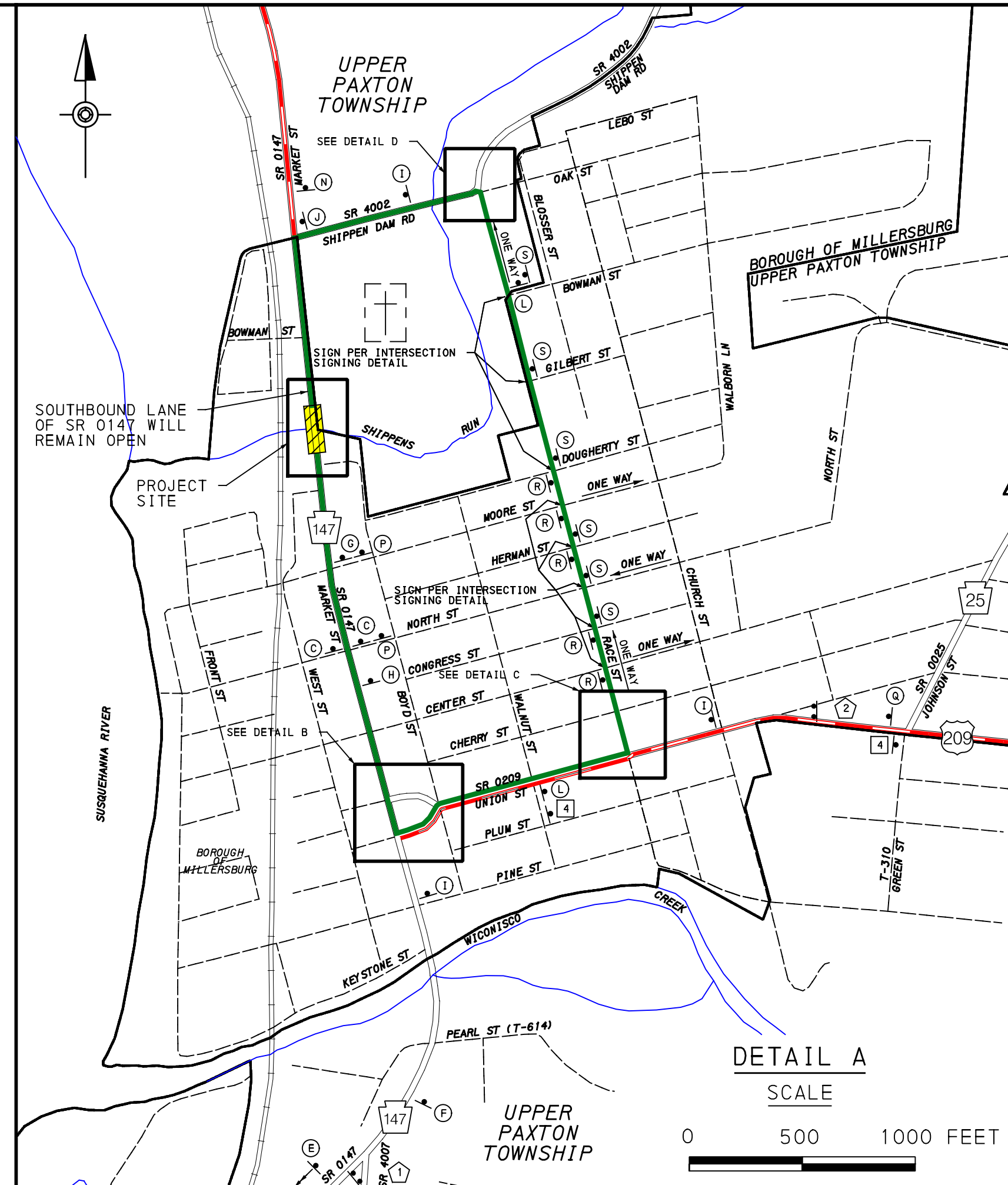




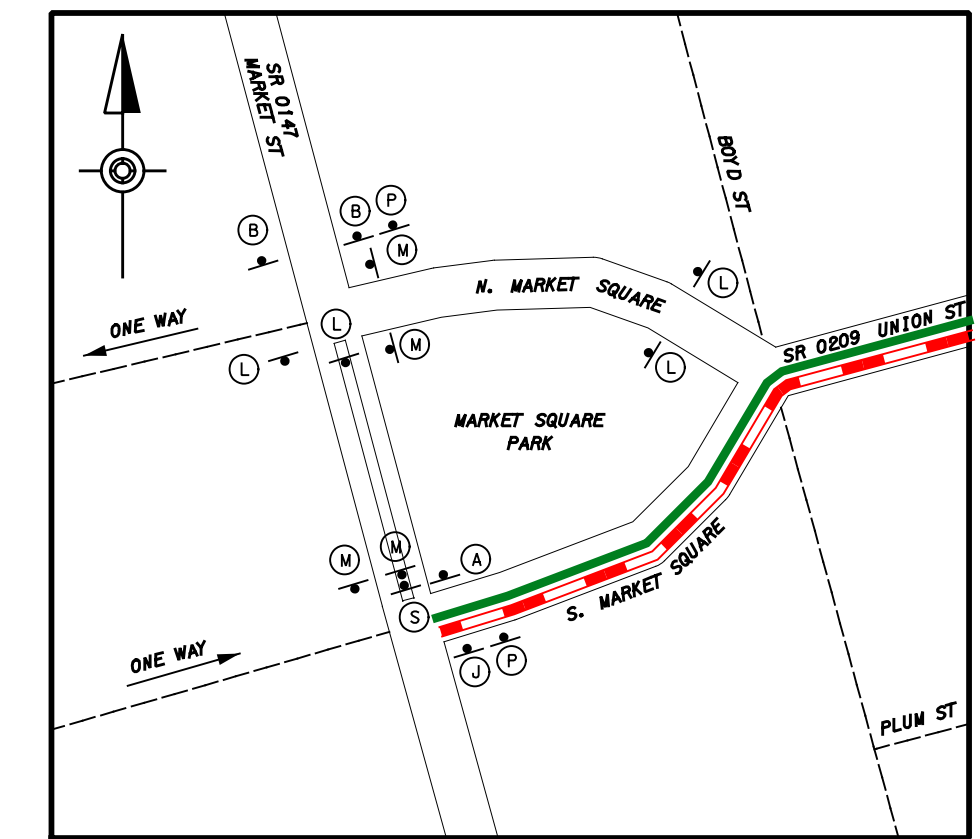
PROJECT SITE SEE DETAIL A  
**NORTHBOUND TRUCK DETOUR PLAN**  
 SCALE  
 0 8000 16000 FEET

TOTAL TRUCK DETOUR LOOP IS 34.0 MILES LONG (TRUCKS OVER 40')

- 1 TRUCKS OVER 40' LONG
- 2 TRUCKS OVER 40' LONG
- 3 OVER 40' LONG
- 4 TRUCK DETOUR NORTH
- 5 TRUCK DETOUR NORTH
- 6 TRUCK DETOUR NORTH
- 7 TRUCK DETOUR NORTH
- 8 TRUCK DETOUR NORTH
- 9 END DETOUR TRUCK NORTH

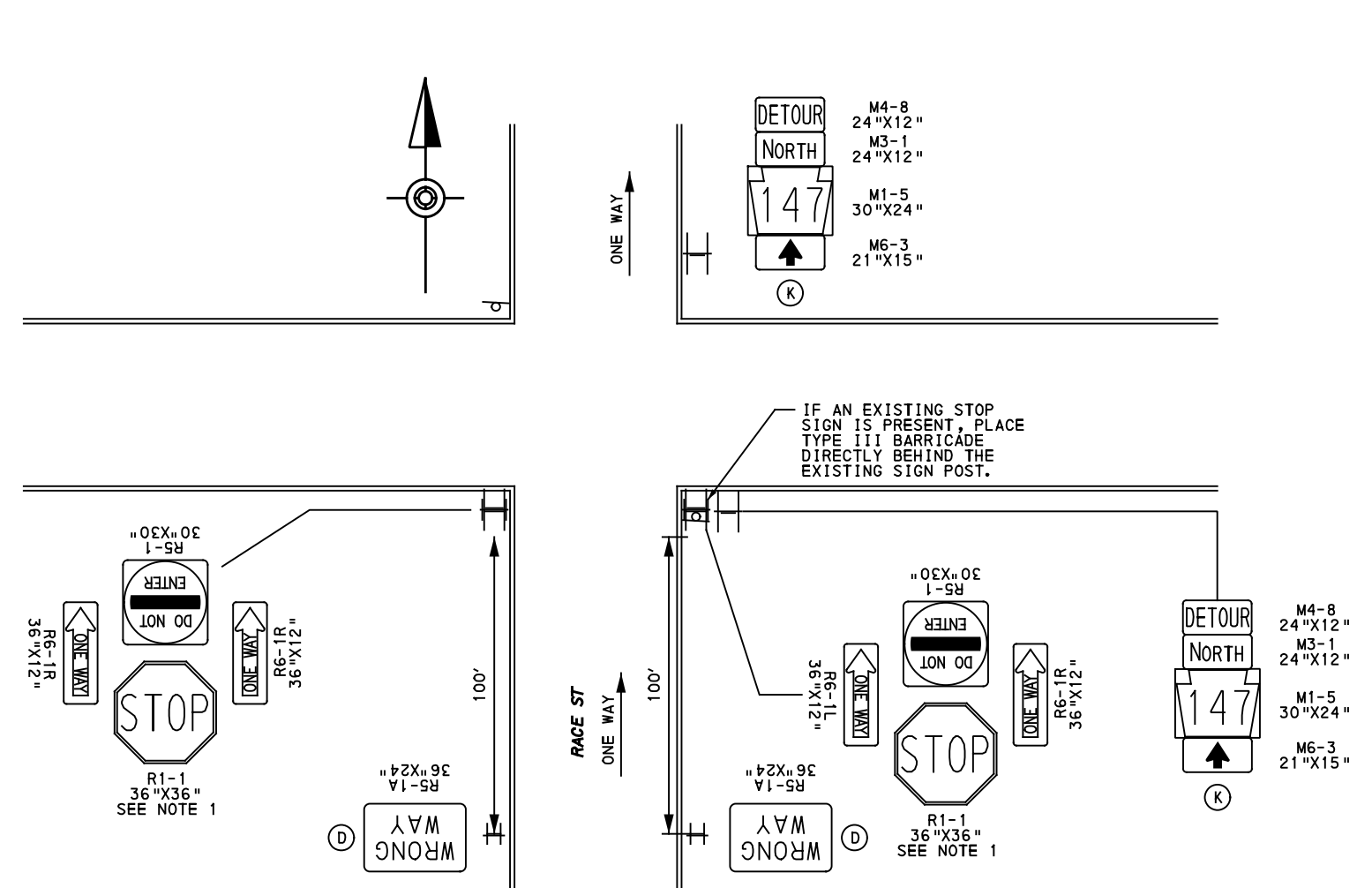


**DETAIL A**  
 SCALE  
 0 500 1000 FEET



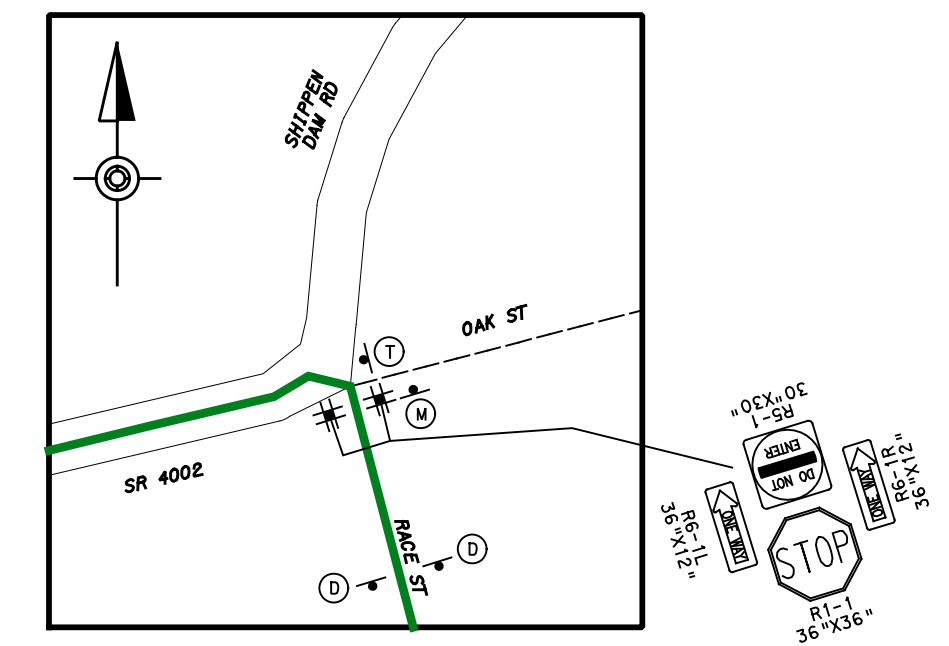
**DETAIL B**  
 SCALE  
 0 100 200 FEET

TOTAL DETOUR LOOP IS 1.3 MILES LONG (VEHICLES UNDER 40')

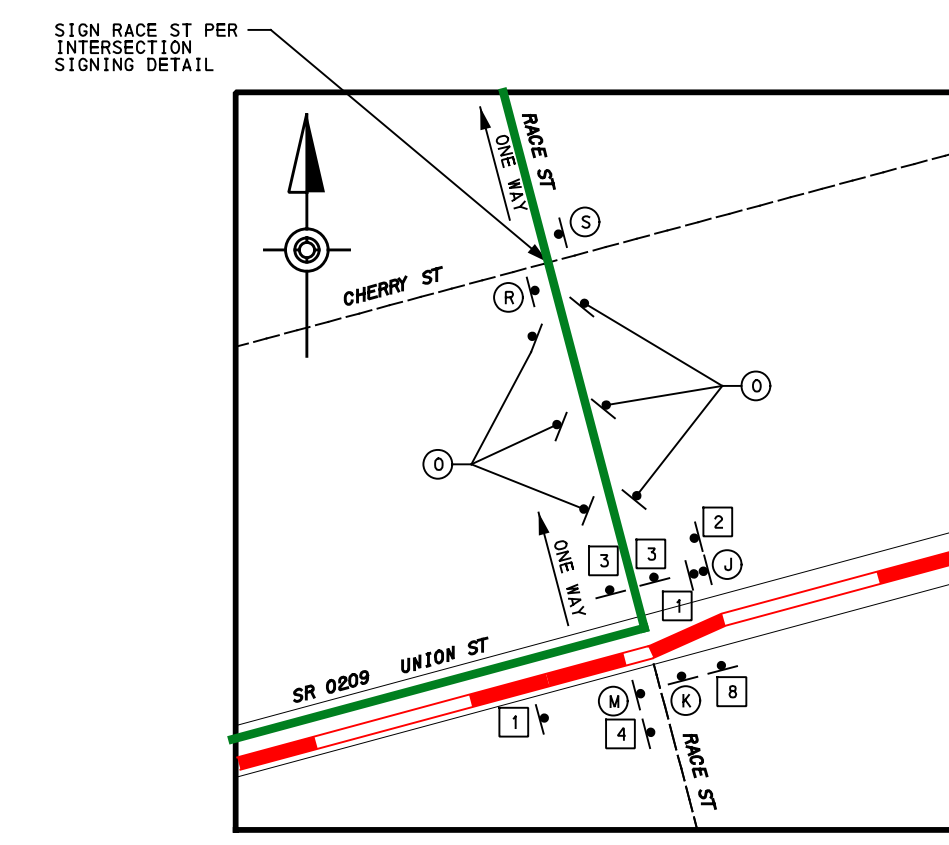


**INTERSECTION SIGNING DETAIL**  
 NOT TO SCALE

NOTES:  
 1. FOR INTERSECTIONS WHERE RACE ST IS NOT STOP CONTROLLED, THE R1-1 SIGNS ARE NOT TO BE USED.



**DETAIL D**  
 SCALE  
 0 100 200 FEET



**DETAIL C**  
 SCALE  
 0 100 200 FEET

- A ROAD CLOSED 3/8 MILE AHEAD LOCAL TRAFFIC ONLY
- B ROAD CLOSED 3/8 MILE AHEAD LOCAL TRAFFIC ONLY
- C ROAD CLOSED 1000 FEET AHEAD LOCAL TRAFFIC ONLY
- D WRONG WAY
- E DETOUR 1/2 MILE
- F DETOUR 1500 FT
- G ROAD CLOSED 500 FT
- H ROAD CLOSED 1000 FT
- I DETOUR NORTH
- J DETOUR NORTH
- K DETOUR NORTH
- L DETOUR NORTH
- M DETOUR NORTH
- N END DETOUR NORTH
- O
- P ROAD OPEN TO AMERICAN LEGION
- Q DETOUR 1000 FT
- R
- S DETOUR NORTH
- T DETOUR NORTH

- LEGEND**
- TRAFFIC CONTROL SIGN
  - SIGN IDENTIFICATION
  - SR 0147 NORTHBOUND DETOUR ROUTE (VEHICLES UNDER 40')
  - SR 0147 NORTHBOUND TRUCK DETOUR ROUTE (TRUCKS OVER 40')
  - AREA OF CLOSURE
  - PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) AND NUMBER
  - MUNICIPAL BOUNDARY LINE
  - STATE ROAD
  - MUNICIPAL ROAD

**PRELIMINARY - APRIL 2020  
 ANTICIPATED CONSTRUCTION - 2022**

**DETOUR PLAN**  
 SR 0147 SEC 017  
 MARKET STREET - OVER SHIPPENS RUN  
 UPPER PAXTON TOWNSHIP &  
 MILLERSBURG BOROUGH, DAUPHIN COUNTY



# PUBLIC PLANS DISPLAY

State Road 0147, Section 017, Replacement of Market Street Bridge over Shippens Run  
Millersburg Borough\Upper Paxton Township, Dauphin County

## Comment Form

1. Information provided in the plans display was clear in depicting what was being proposed for the bridge replacement. Yes \_\_\_\_\_ No \_\_\_\_\_

*If no, why?*

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2. Are you aware of any sensitive features (i.e., natural resources, historic resources, public facilities, etc.) within the project area that were not identified on the plans?

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3. Are there any special features on your property that should be identified on the plans, but were not shown? (i.e.: utility line not noted on plans, leases or easements, septic systems, etc.)

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4. Do you feel that the detour will have a negative effect on your ability to access your job, children's schools, or daily destinations?

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