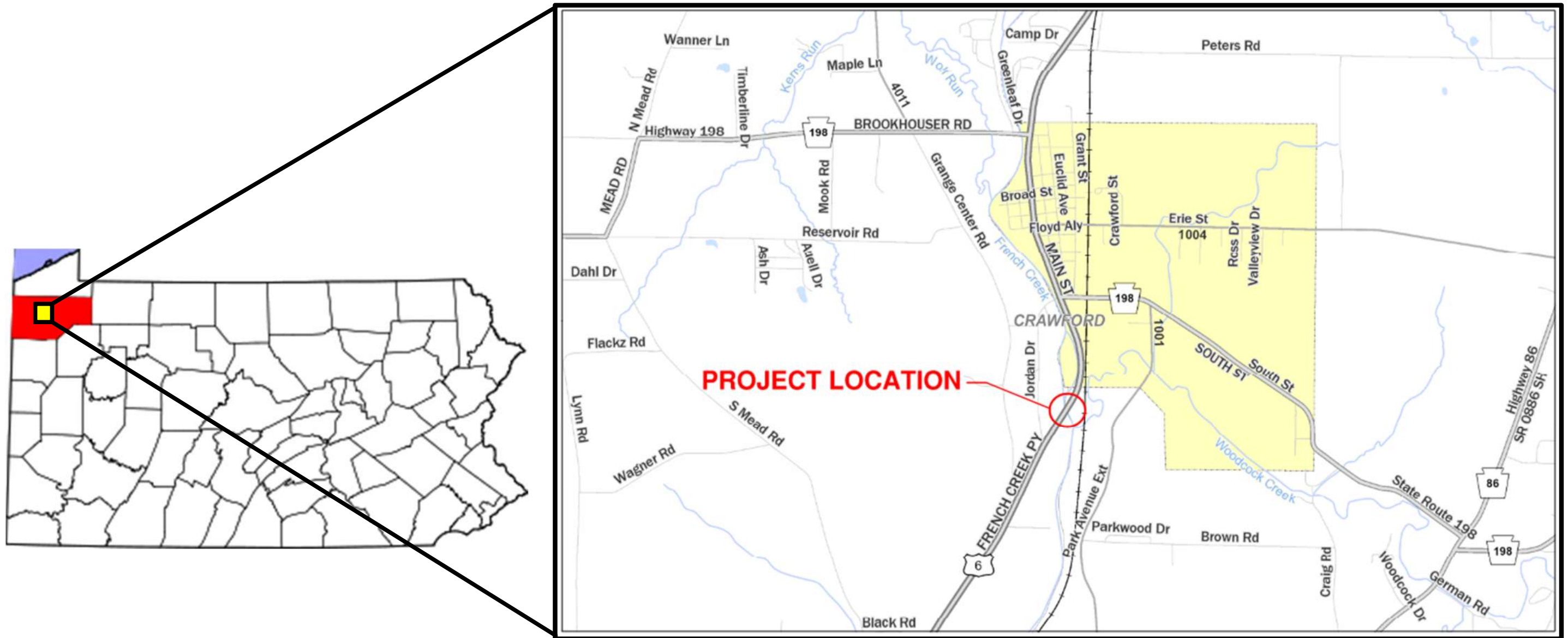


# U.S. 6 FRENCH CREEK BRIDGE #1 REPLACEMENT CRAWFORD COUNTY

# PROJECT OVERVIEW

PennDOT is planning replacement of the two-span through truss bridge carrying U.S. Route 6 (French Creek Parkway) over French Creek, just south of Saegertown Borough, Crawford County, Pennsylvania. Hayfield Township lies on the west side of French Creek and Woodcock Township on the east.



# PROJECT PURPOSE

- To provide a bridge that maintains connectivity of US Route 6 spanning French Creek and that will accommodate the projected transportation use and legal loads

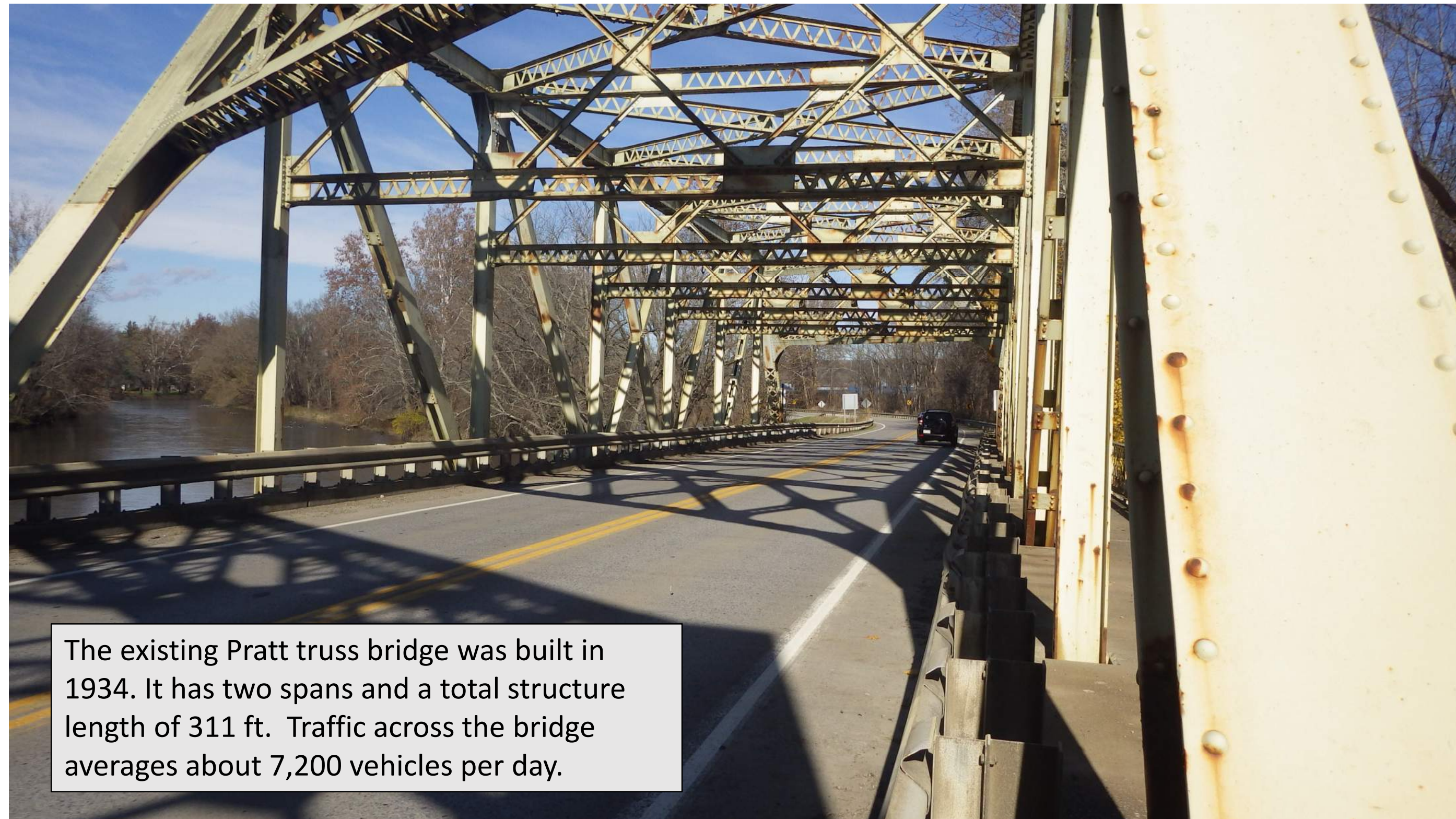


# PROJECT NEED

- The existing steel truss bridge is in poor condition due to aging and deterioration. The truss members have advanced levels of corrosion and widespread surface rust. As the steel members corrode, they gradually lose their strength.
- The bridge is considered fracture-critical. This means that failure of a structural member could result in a sudden collapse of the entire span.



# EXISTING CONDITIONS



The existing Pratt truss bridge was built in 1934. It has two spans and a total structure length of 311 ft. Traffic across the bridge averages about 7,200 vehicles per day.



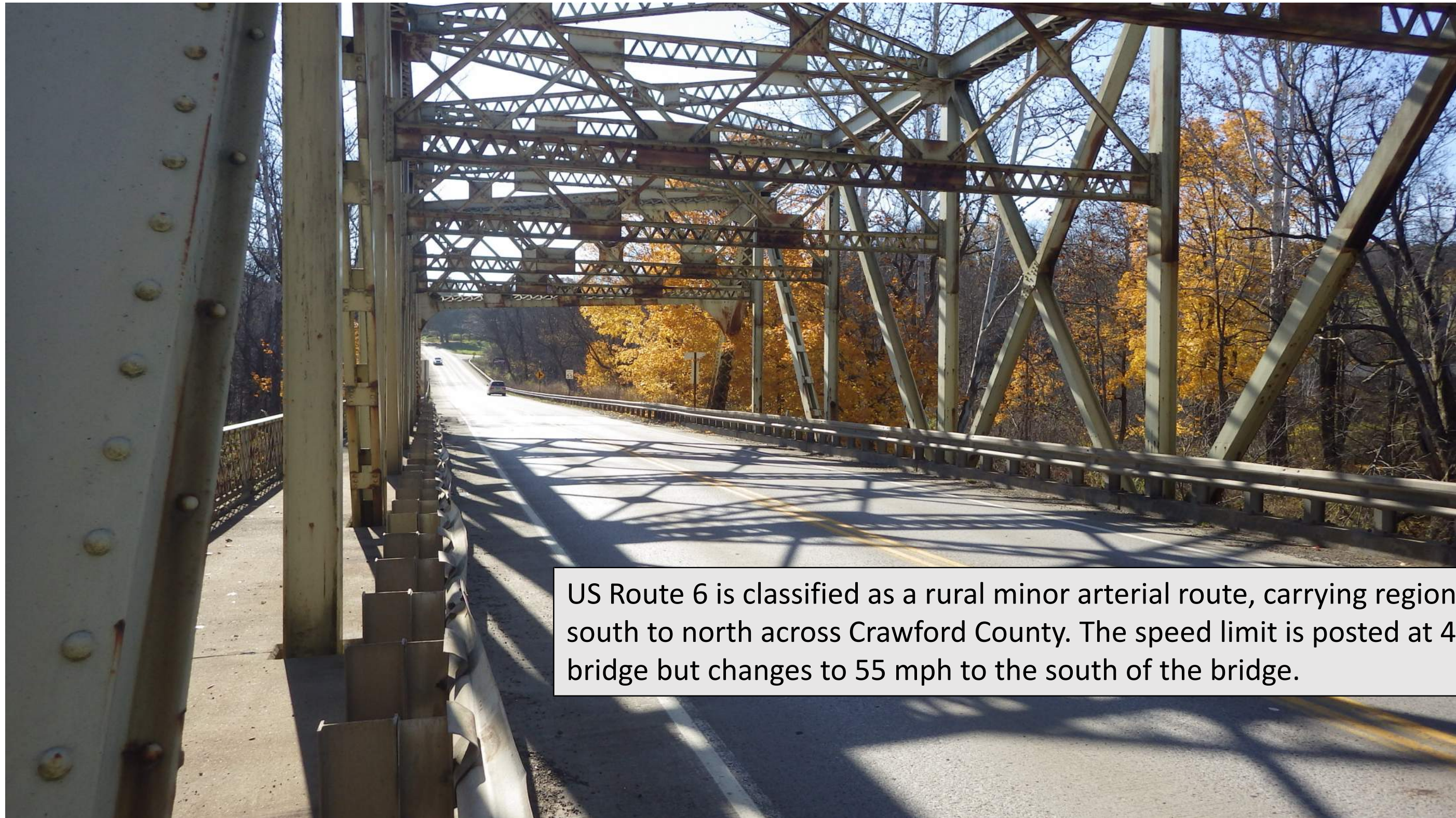
# EXISTING CONDITIONS



The center support of the bridge is a reinforced concrete pier located in the French Creek stream channel. Design studies have considered the possibility of restoring the pier and using it to support a new bridge superstructure. However, based on the pier's condition and a cost evaluation, it was concluded to replace the pier along with the rest of the bridge.



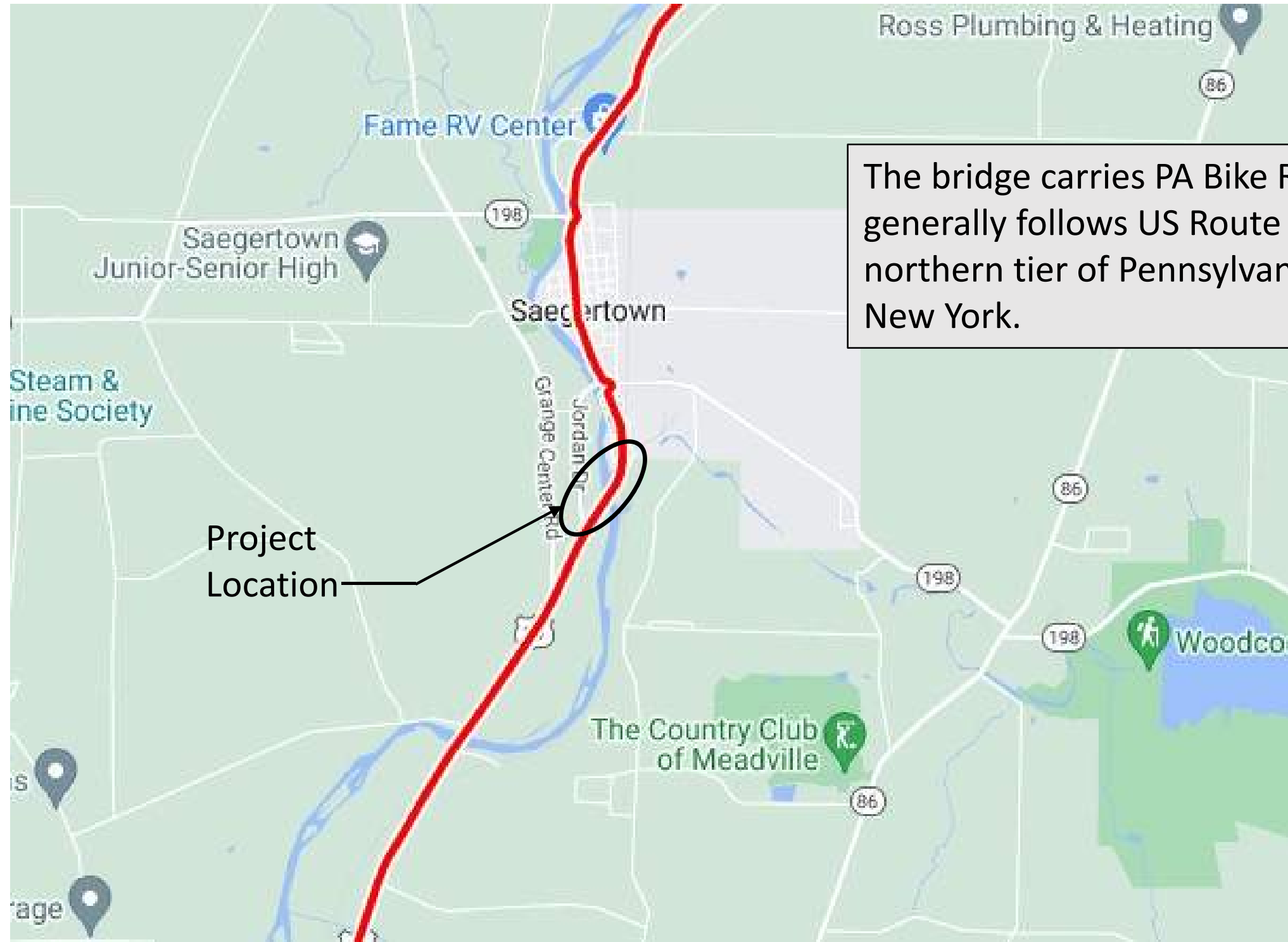
# EXISTING CONDITIONS



US Route 6 is classified as a rural minor arterial route, carrying regional traffic from south to north across Crawford County. The speed limit is posted at 45 mph over the bridge but changes to 55 mph to the south of the bridge.



# EXISTING CONDITIONS



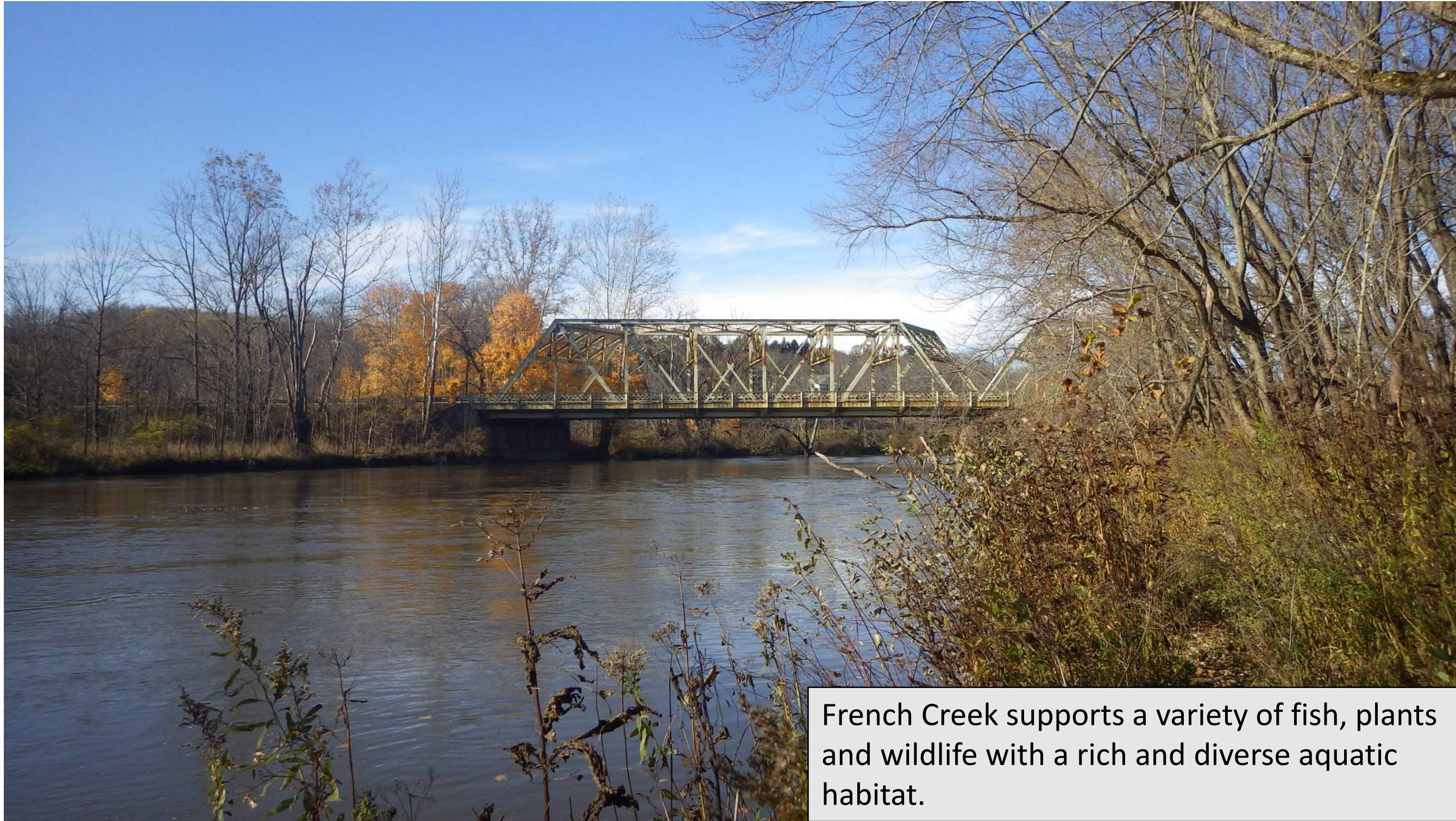
The bridge carries PA Bike Route Y, which generally follows US Route 6 across the northern tier of Pennsylvania, from Ohio to New York.

Map source: USBR 36-PA Bike Route Y  
[Ridewithgps.com/routes/37864692](https://ridewithgps.com/routes/37864692)





# ENVIRONMENTAL FEATURES



French Creek supports a variety of fish, plants and wildlife with a rich and diverse aquatic habitat.



# SECTION 4(F) RESOURCES



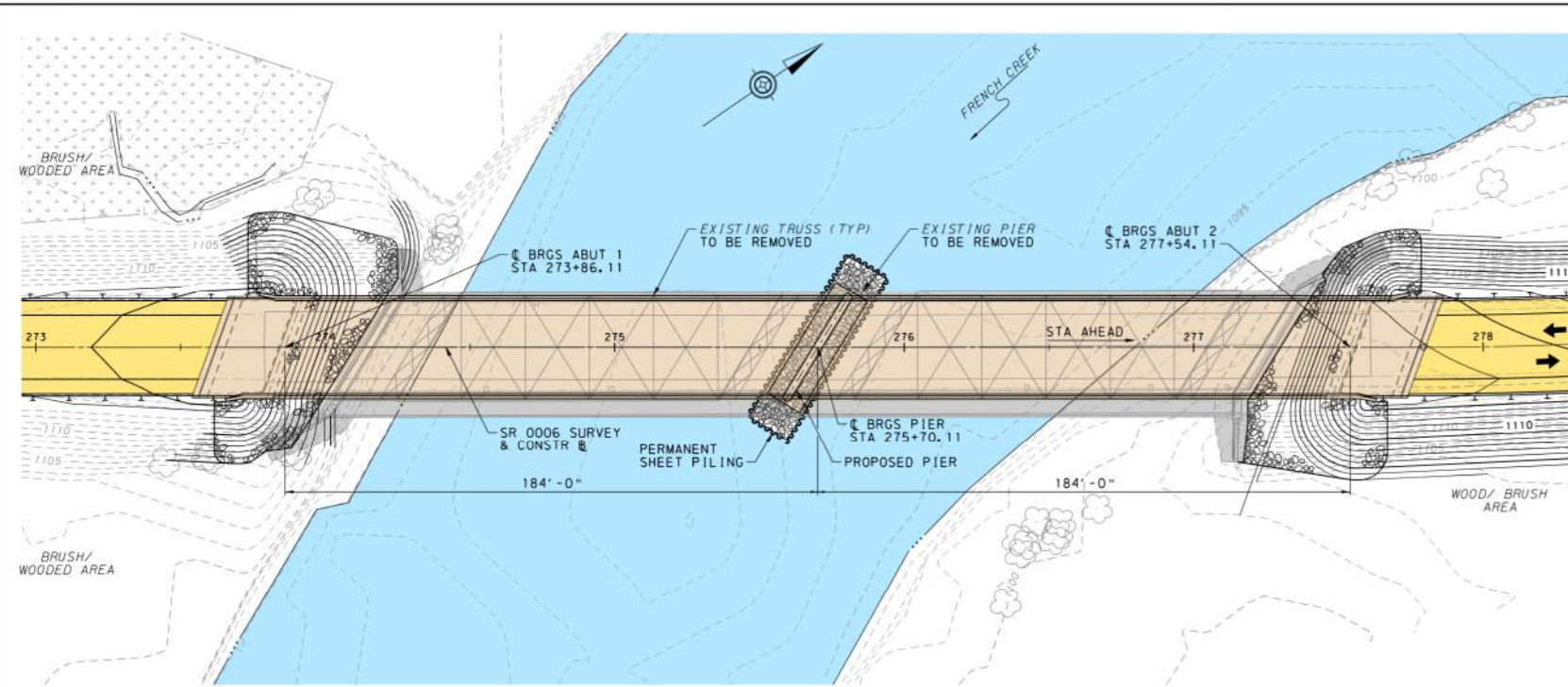
French Creek is a designated water trail.

A Pennsylvania Fish and Boat Commission boat access site is located just north of the bridge with access from US Route 6.

These recreational resources are protected under Section 4(f) of the United States Department of Transportation Act of 1966.

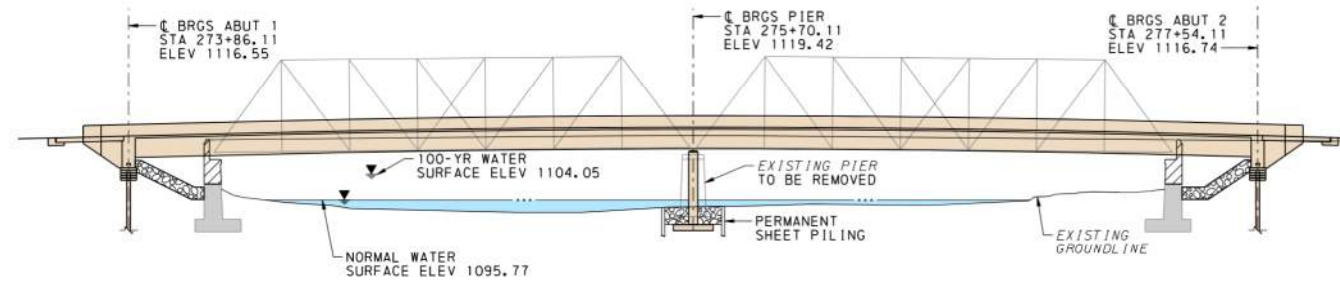


# PROPOSED BRIDGE REPLACEMENT

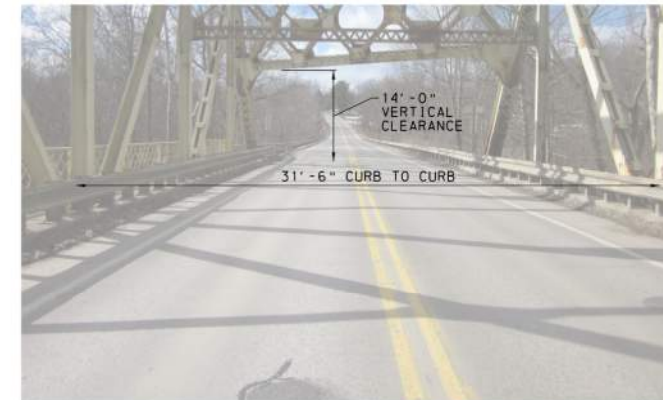
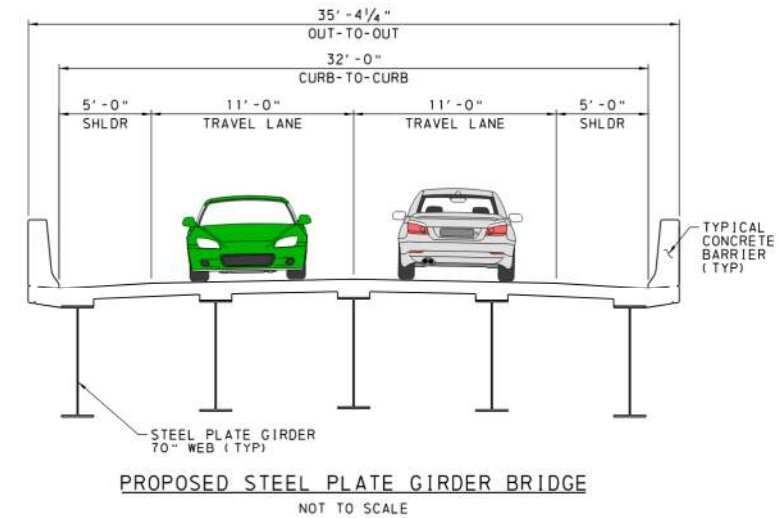


- LEGEND**
- PROPOSED ROADWAY PAVEMENT & SHOULDER
  - PROPOSED BRIDGE
  - WATER
  - EXISTING BRIDGE

**PLAN**  
1" = 20 FEET



**ELEVATION**  
(ALONG SR 0006 SURVEY & CONSTR. E)  
1" = 20 FEET



**EXISTING THROUGH TRUSS BRIDGE**  
NOT TO SCALE

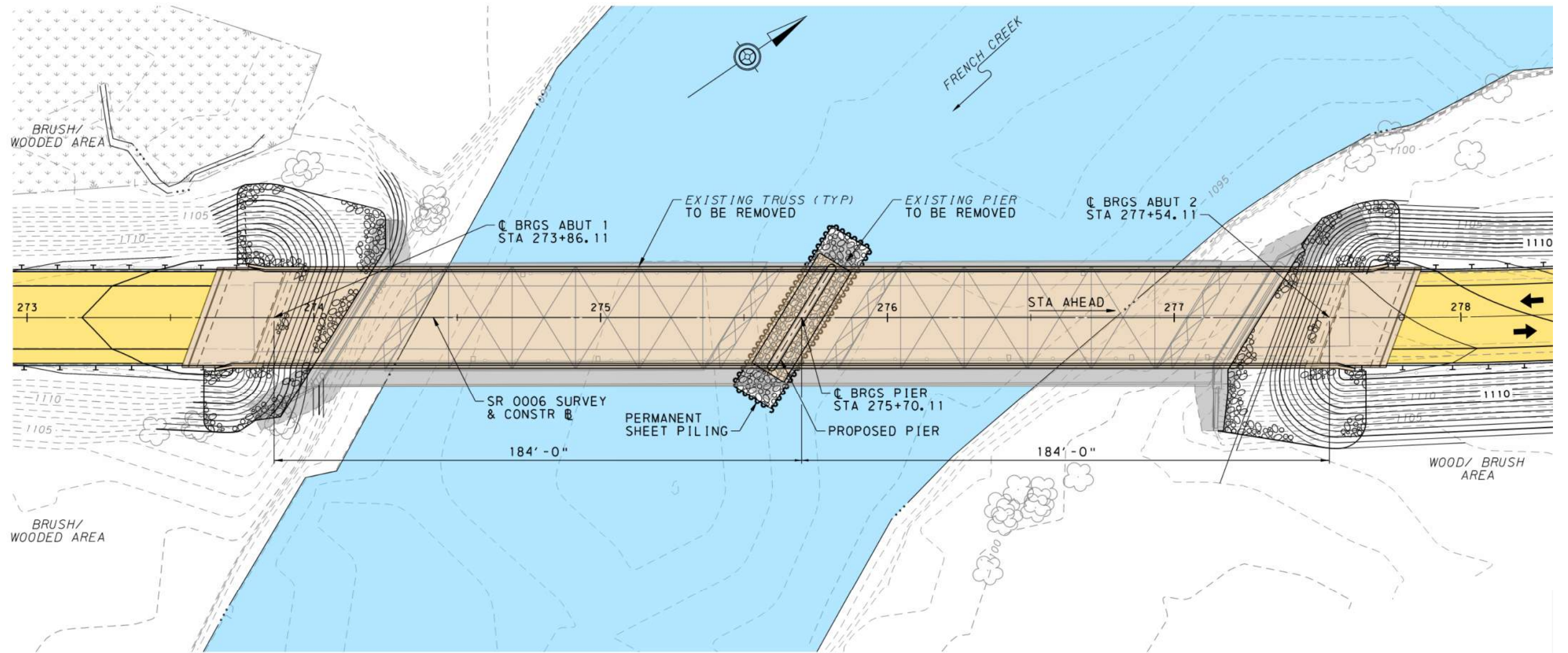
## Proposed Bridge



U.S. 6 French Creek  
Bridge #1 Replacement  
November 2023



# PROPOSED BRIDGE REPLACEMENT



## LEGEND

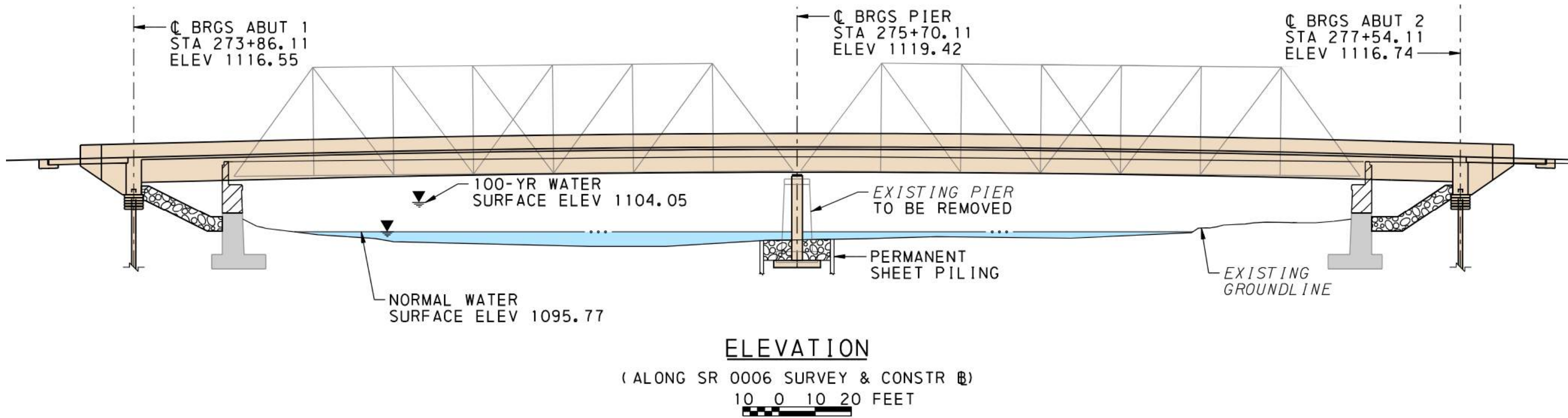
- PROPOSED ROADWAY PAVEMENT & SHOULDER
- PROPOSED BRIDGE
- WATER
- EXISTING BRIDGE

## PLAN

10 0 10 20 FEET



# PROPOSED BRIDGE REPLACEMENT

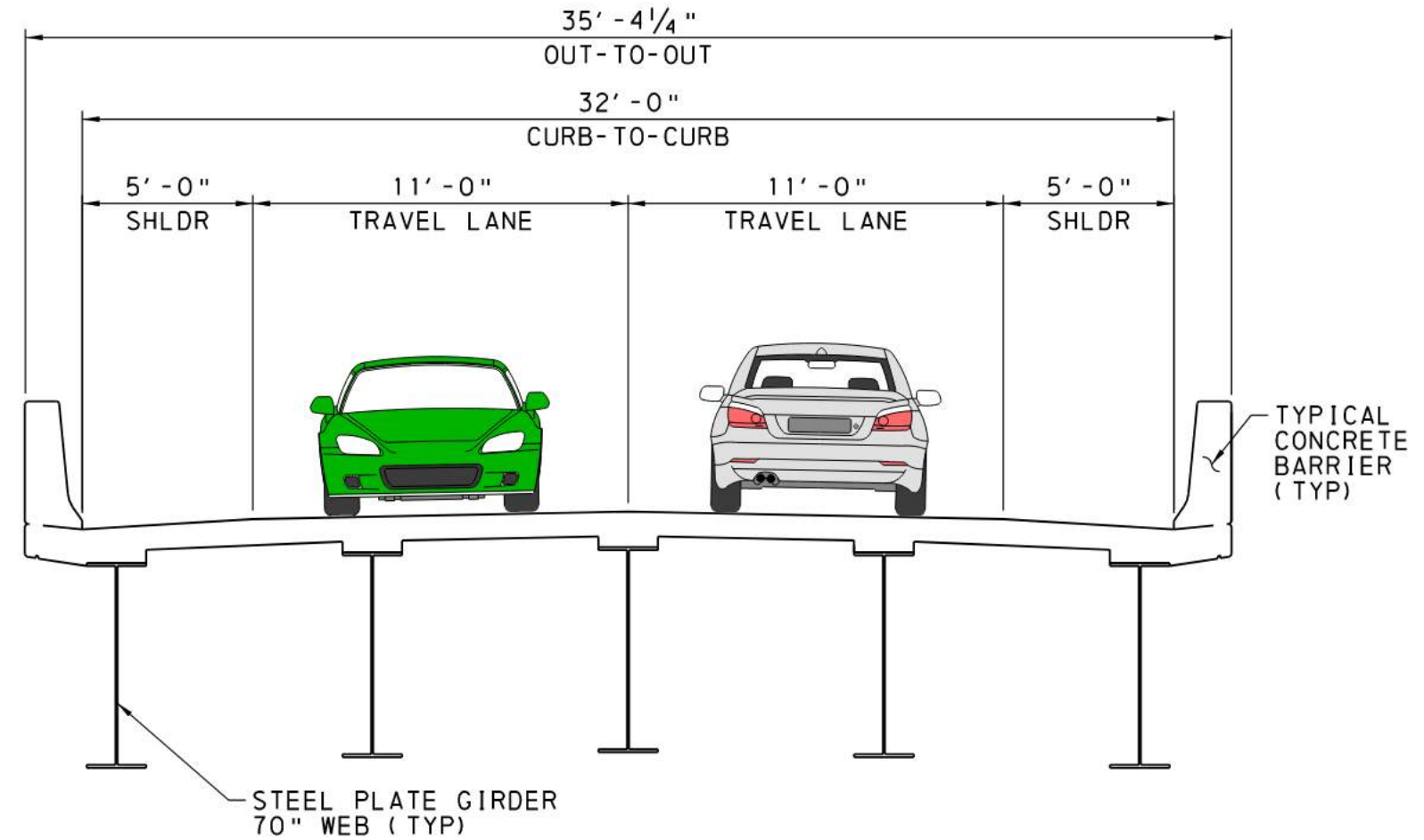


# PROPOSED BRIDGE REPLACEMENT



EXISTING THROUGH TRUSS BRIDGE

NOT TO SCALE

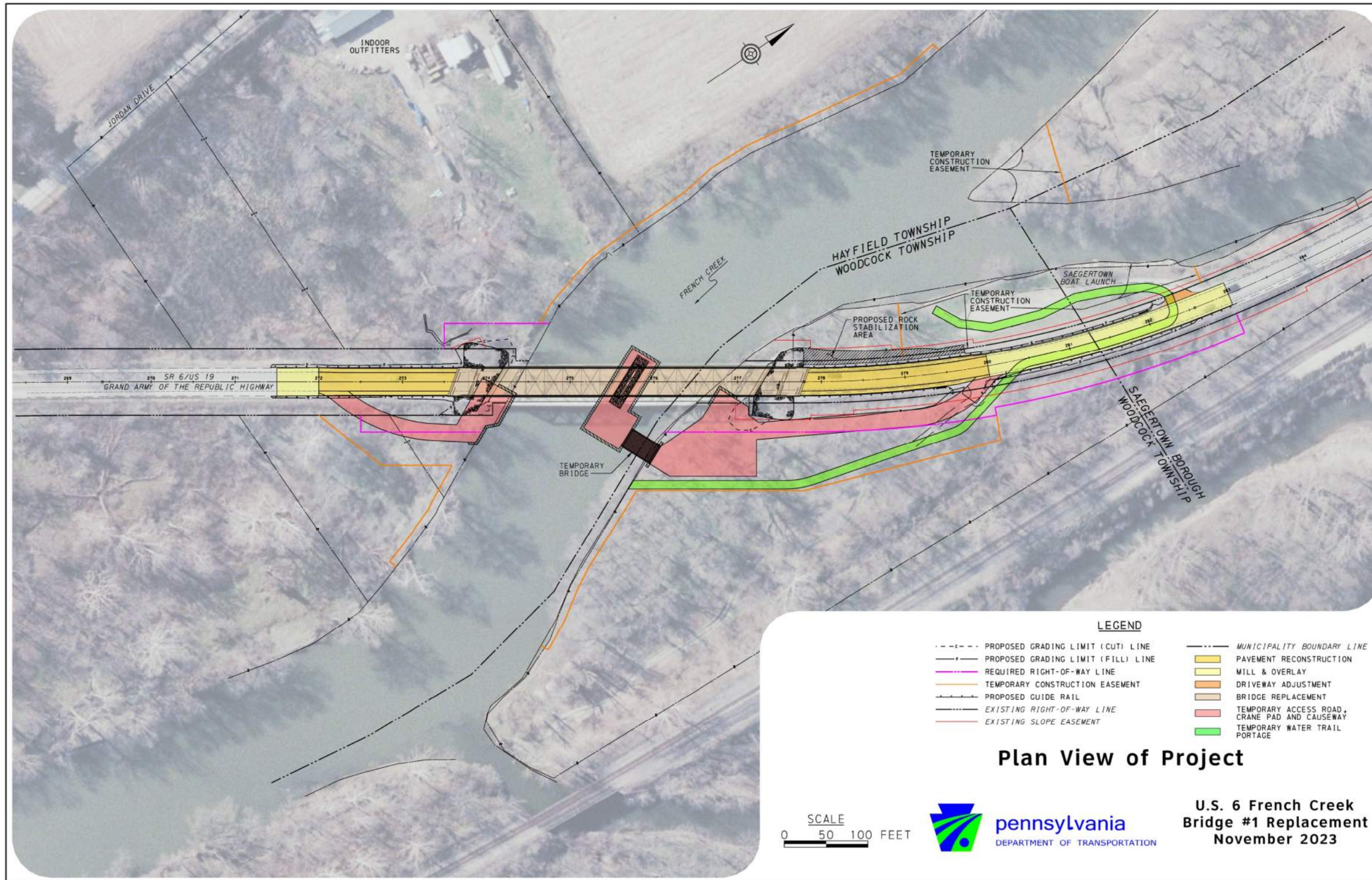


PROPOSED STEEL PLATE GIRDER BRIDGE

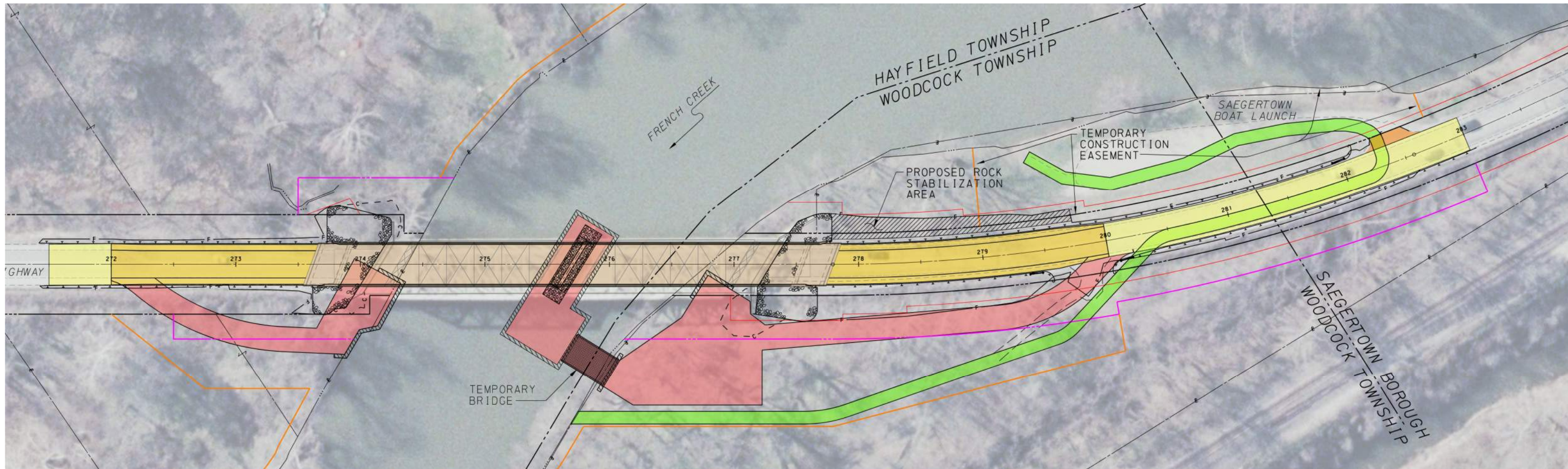
NOT TO SCALE



# PROPOSED PROJECT PLAN



# PROPOSED PROJECT PLAN



## LEGEND

---c---	PROPOSED GRADING LIMIT (CUT) LINE	-----	MUNICIPALITY BOUNDARY LINE
---f---	PROPOSED GRADING LIMIT (FILL) LINE	■	PAVEMENT RECONSTRUCTION
---	REQUIRED RIGHT-OF-WAY LINE	■	MILL & OVERLAY
---	TEMPORARY CONSTRUCTION EASEMENT	■	DRIVEWAY ADJUSTMENT
---	PROPOSED GUIDE RAIL	■	BRIDGE REPLACEMENT
---	EXISTING RIGHT-OF-WAY LINE	■	TEMPORARY ACCESS ROAD, CRANE PAD AND CAUSEWAY
---	EXISTING SLOPE EASEMENT	■	TEMPORARY WATER TRAIL PORTAGE



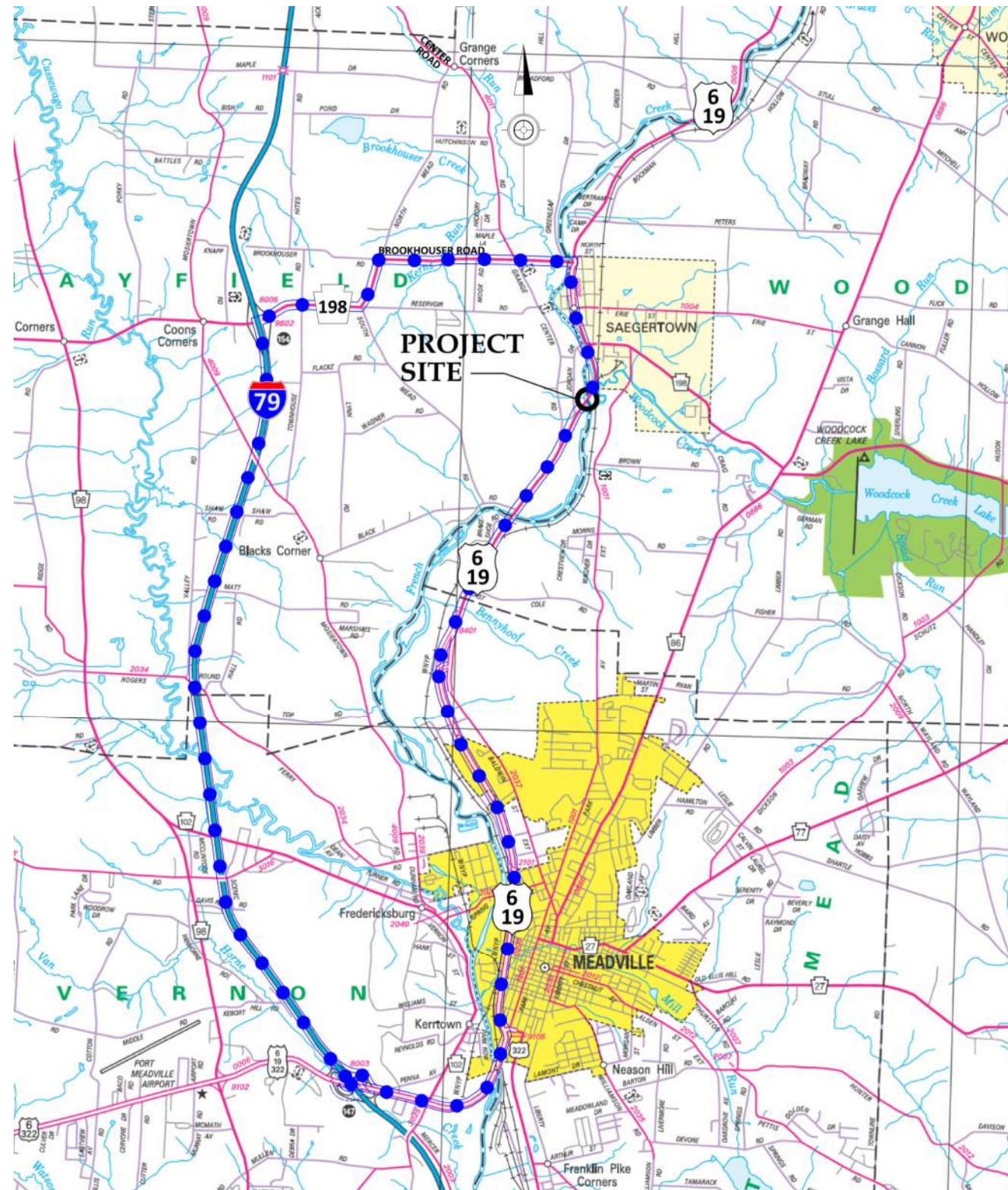


# TRAFFIC CONTROL DURING CONSTRUCTION

## Detour Route

- US Routes 6 and 19 south of the project site through Meadville
- Interstate Route 79 between Interchanges #147 and #154
- PA Route 198 between I-79 and US Route 6 in Saegertown
- Total length of 18 ½ miles end to end along detour route

The detour route is anticipated to be in place from mid-April through mid-September



# TRAFFIC CONTROL DURING CONSTRUCTION

## Bicycle Detour Route

- Jordan Drive
- Total length of 0.7 miles end to end along detour route



# SECTION 4(F) RESOURCE IMPACTS

The project will not take any property from, or permanently impact, the PA Fish and Boat Commission (PFBC) boat access site upstream of the bridge. Access to the site will be maintained at all times during construction.

An Aids to Navigation (ATON) Plan will be developed for approval by the PFBC. The ATON Plan will be implemented during construction to maintain safe navigation through the project area. A temporary portage path will be provided during certain bridge demolition and construction activities when boaters cannot safely pass through the work area. PennDOT will acquire a temporary construction easement on the PFBC boat access site for the temporary portage path and ATON signs.

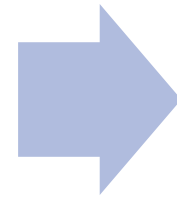


# STEPS MOVING FORWARD

## Anticipated Time Line

Public Plans  
Presentation

October 2023



Environmental  
Clearance

December 2023

Right-of-  
Way  
Clearance

December 2023  
through August 2024



Final Design

January 2024 through  
September 2024



Award  
Construction  
Contract

Fall 2024



# PROJECT INPUT / FEEDBACK

- Comments / Questions?

**Project Manager:** Stephen Schettler

**Email:** [sschettler@pa.gov](mailto:sschettler@pa.gov)

**Mailing:** PA Department of Transportation  
Engineering District 1-0  
255 Elm Street  
Oil City, PA 16301

**Phone:** 814-678-7356



# PROJECT INPUT / FEEDBACK

Project Information will be posted on PennDOT's website:

[www.penndot.pa.gov/District1](http://www.penndot.pa.gov/District1)

Steps to Find Project:

- Right side column click on “Design and Construction Projects”
- Select “Crawford County”
- Look for “Route 6 Bridge Replacement”

