

Creek Road Bridge over Pickering Creek

Chester County Bridge #175
Schuylkill Township

October 11, 2023



Existing Bridge

Existing Bridge Details

- » Single Span, Non-Composite Rolled Steel Girder Bridge
- » Thompson Davis Bridge - 'Locally Historic' (Class 2 Resource)
- » Originally Constructed in 1879 as a Covered Bridge
- » 13-ton Weight Restriction Posting, Except Combination of 16 tons
- » Current Width Across the Bridge is 14'-0" Curb to Curb
- » Bridge has an Existing Span of 53 feet
- » Estimated Traffic Volumes 1,790 vehicles per day (2022)
- » Designed for Approximately 2,026 vehicles per day (2045)
- » Posted Speed Limit – 25 mph

County Bridge Replacement Decision

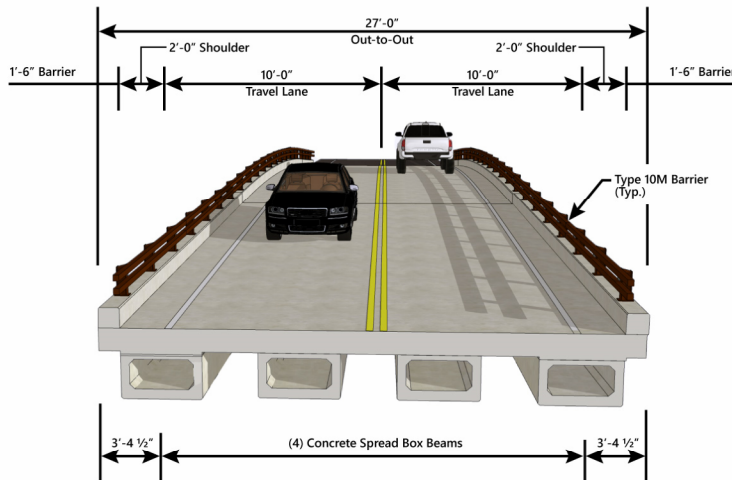
- » Replacing with a New Structure that Meets PennDOT Standards
- » Utilizing 80% PennDOT Funding:
 - Dictates Design and Construction Requirements
 - One Lane Bridge is not Allowed
- » Projects Goals:
 - Eliminate Weight Restriction
 - Eliminate Scour Critical Concerns
 - Improve Safety
 - Minimize Impacts

Historic/Aesthetic Considerations

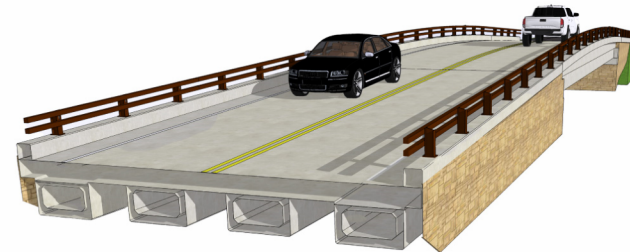
- » Bridge is Not Eligible for National Historic Listing
- » Project Cleared Environmentally by PennDOT in 2021
- » Township/Public Meeting Held Fall of 2017
- » Providing the Following as Requested by Township in 2017:
 - Facing of the New Bridge Abutments and Walls with Real Stone
 - Providing Open/Steel “Wood-Look” Brown Railings Across the Bridge
 - Retaining and Repairing Existing Stone Wall West of Bridge
- » Also Maintaining Wingwall Orientation Similar to the Substructure of the Original Covered Bridge



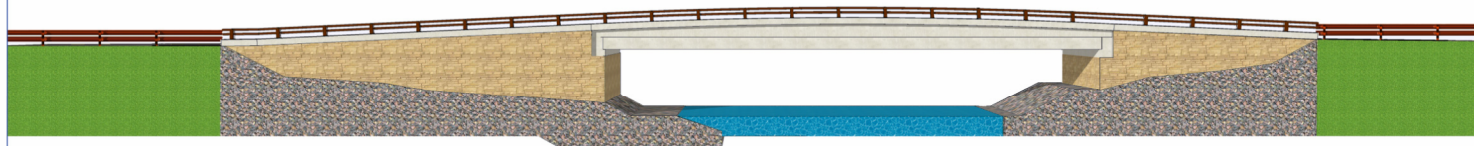
PLAN VIEW



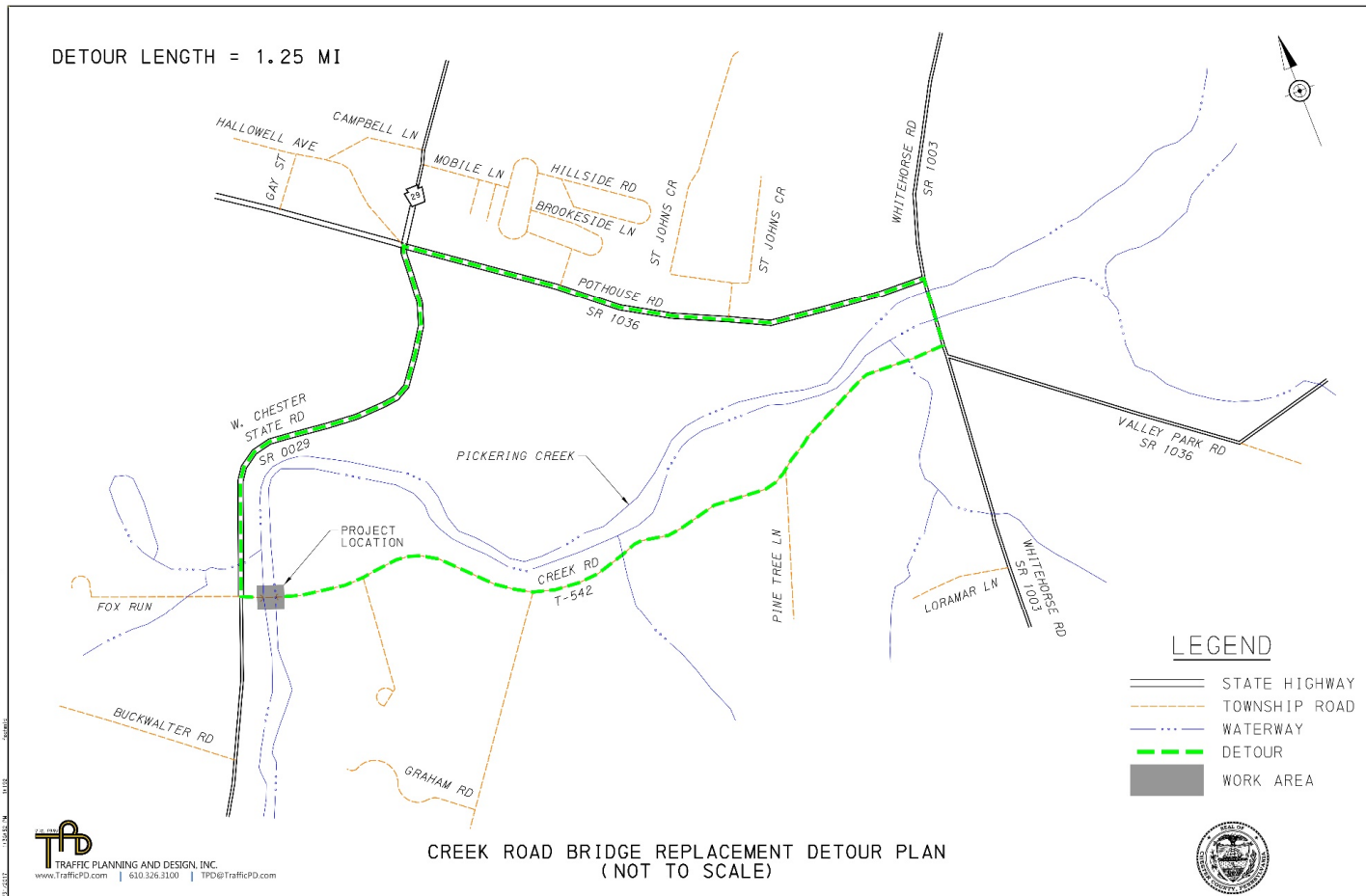
**Typical Section for Creek Road Bridge
(Looking East)**



**Oblique View for Creek Road Bridge
(Looking East)**



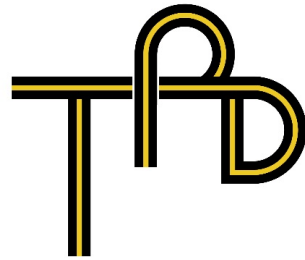
Elevation for Creek Road Bridge



DETOUR

Schedule and Costs

- » Estimated Construction Cost - \$2.5 million
- » Estimated Remaining Schedule:
 - Complete Final Design Phase – Spring 2024
 - Advertise/Award Project to Contractor – Summer/Fall 2024
 - Complete Construction – Fall 2025



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