

# Westmoreland County Local Bridge Preservations

## **Craigs Mill Bridge, T-654/T-290 (Oasis Road)**

over Loyalhanna Creek

Unity and Derry townships, Westmoreland County

## **Sanderson Bridge, T-662 (McFarland Road)**

over Loyalhanna Creek

Derry Township, Westmoreland County

## **New Steele Bridge, North Ligonier Street/T-662 (McFarland Road) over Loyalhanna Creek**

City of Latrobe and Derry Township, Westmoreland County

## **Darlington Bridge, T-647 (Darlington Road)**

over Loyalhanna Creek

Ligonier Township, Westmoreland County

### **Project Purpose**

To provide preservative maintenance for four structures throughout the county to correct structural deficiencies to primary bridge elements. These repairs provide the most cost-effective solution to extend the useful lives of the structures and maintain vital connections for use by residents, businesses, municipal services, and emergency access. If not addressed, additional deterioration will progress at an exponential rate resulting in increased repair and maintenance costs that will become uneconomical to the point where replacements may become necessary. This project will reduce these costs for the county, allowing it to reallocate valuable economic resources to other needs throughout the community.

### **Anticipated Schedule**

The project is currently in Preliminary Engineering. Final Design is expected to begin in September 2024. Construction letting is anticipated in the fall of 2025 with construction beginning in early 2026 and completion by the end of 2026. Roadway work will be minimal with connection to the existing roads on each end at the same elevations.

## **Project Team**

### **Project Owner**

Westmoreland County Engineer

Vaughn Neill, PE

724-830-3966 | [vneill@co.westmoreland.pa.us](mailto:vneill@co.westmoreland.pa.us)

### **Design Team**

PennDOT Engineering District 12-0

Cristin Covert, PE (Project Manager)

724-439-7155 | [ccovert@pa.gov](mailto:ccovert@pa.gov)

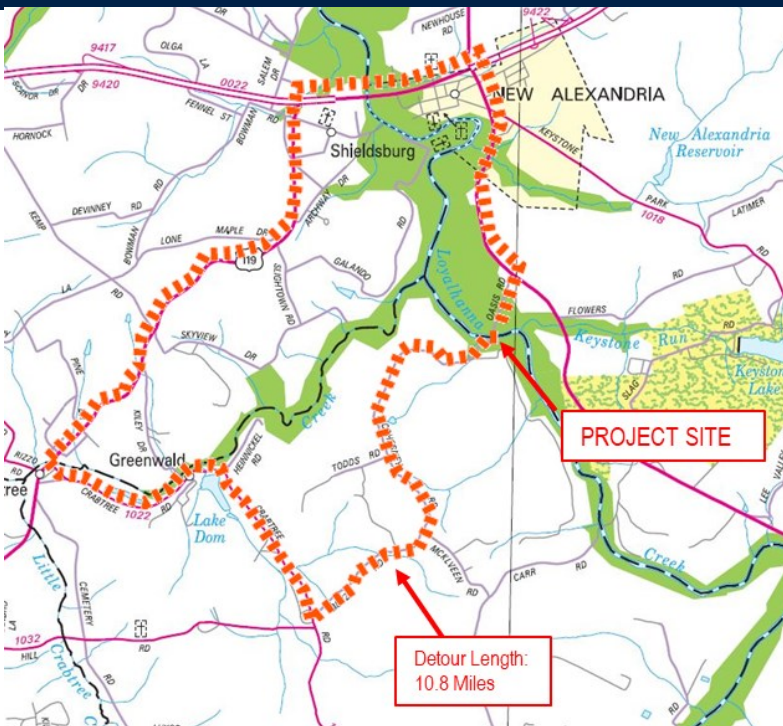
Gibson-Thomas Engineering Co., Inc.

Matthew Burns, PE, CBSI (Project Manager)

724-539-8562 | [matt.burns@gibson-thomas.com](mailto:matt.burns@gibson-thomas.com)



# Craigs Mill Bridge, T-654/T-290 (Oasis Road) over Loyalhanna Creek Unity and Derry townships, Westmoreland County

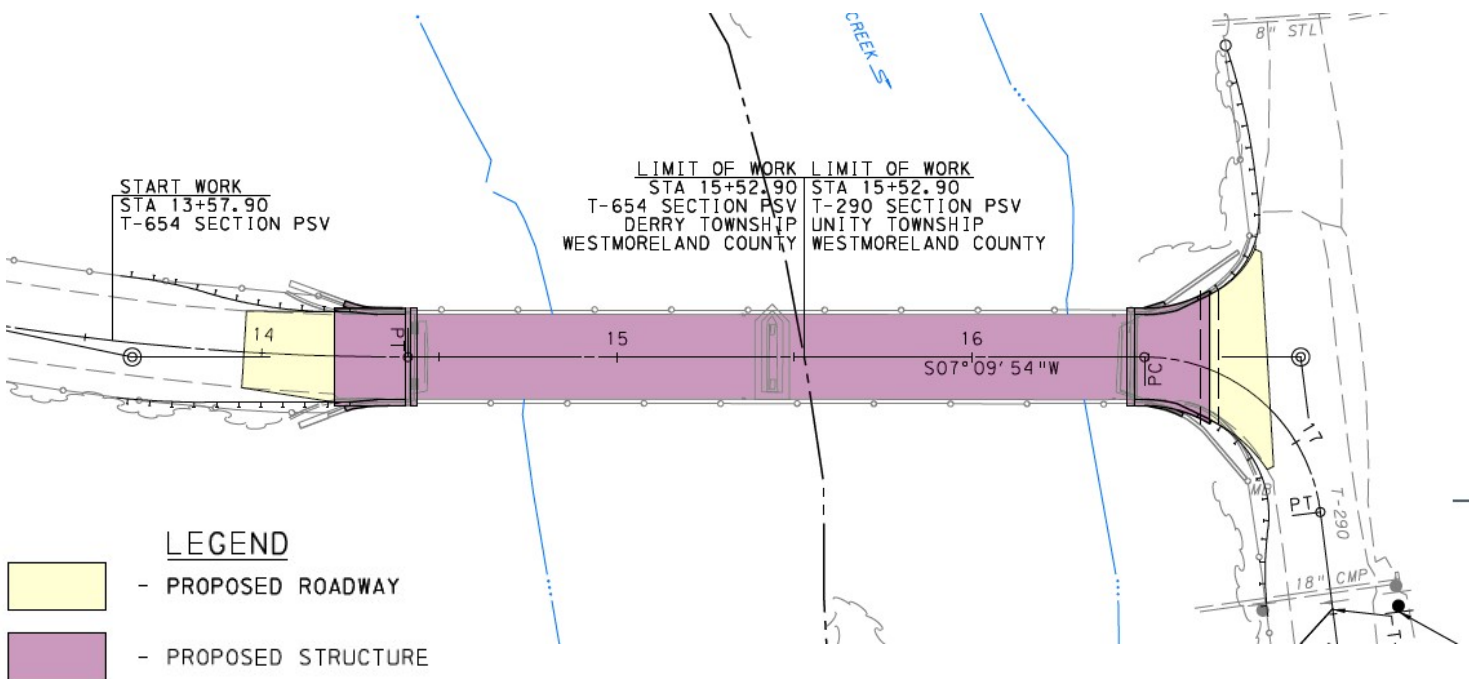


## Scope of work includes:

- Replace expansion joints at both abutments.
- Construct new approach slabs.
- Apply protective coating to deck and curbs.
- Remove and reconstruct abutment backwalls and portions of wingwalls.
- Apply protective coating to deck and curbs.
- Clean and flush scuppers.
- Perform concrete substructure repairs as required.
- Repoint stone masonry abutments as required.
- Apply protective coating to substructure units.
- Install guide rail and appropriate end treatments.
- Mill and resurface approach roadways.
- Replace missing nut and reset displaced nut at the far right bearing seat.
- Perform deck repairs.
- Remove debris from the upstream nose of the pier and install rock protection.
- Install rock on the near side of the structure to mitigate erosions in front on wingwalls.
- Clean and paint the superstructure for 10'-0" at each end of the girders at joint locations.

### DETOUR

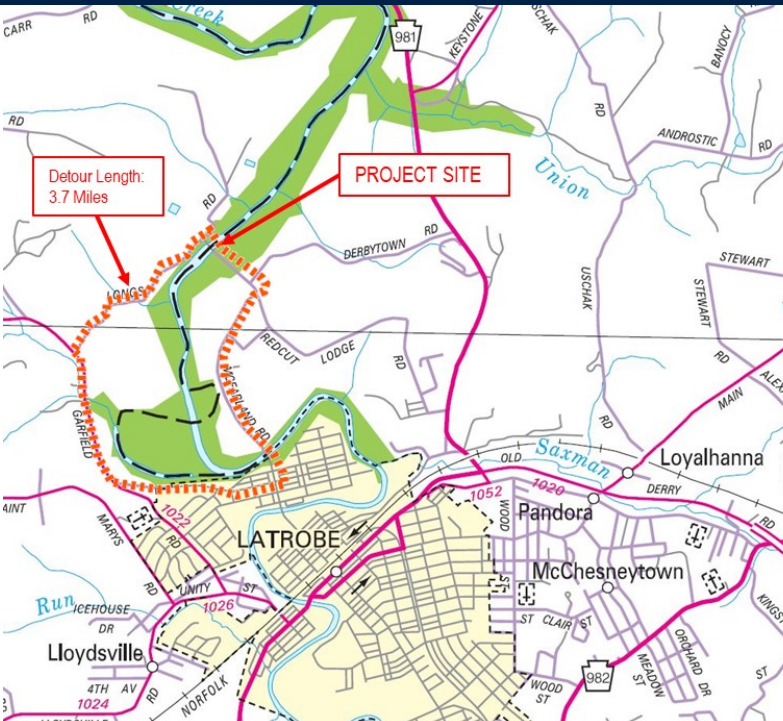
Traffic will be detoured via T-654 (Oasis Road), Route 981, Route 22, Route 119, Route 1022 (Latrobe Crabtree Road), T-291 (Butz Road), and T-290 (McChesney Road).



### LEGEND

- PROPOSED ROADWAY
- PROPOSED STRUCTURE

# Sanderson Bridge, T-662 (McFarland Road) over Loyalhanna Creek Derry Township, Westmoreland County

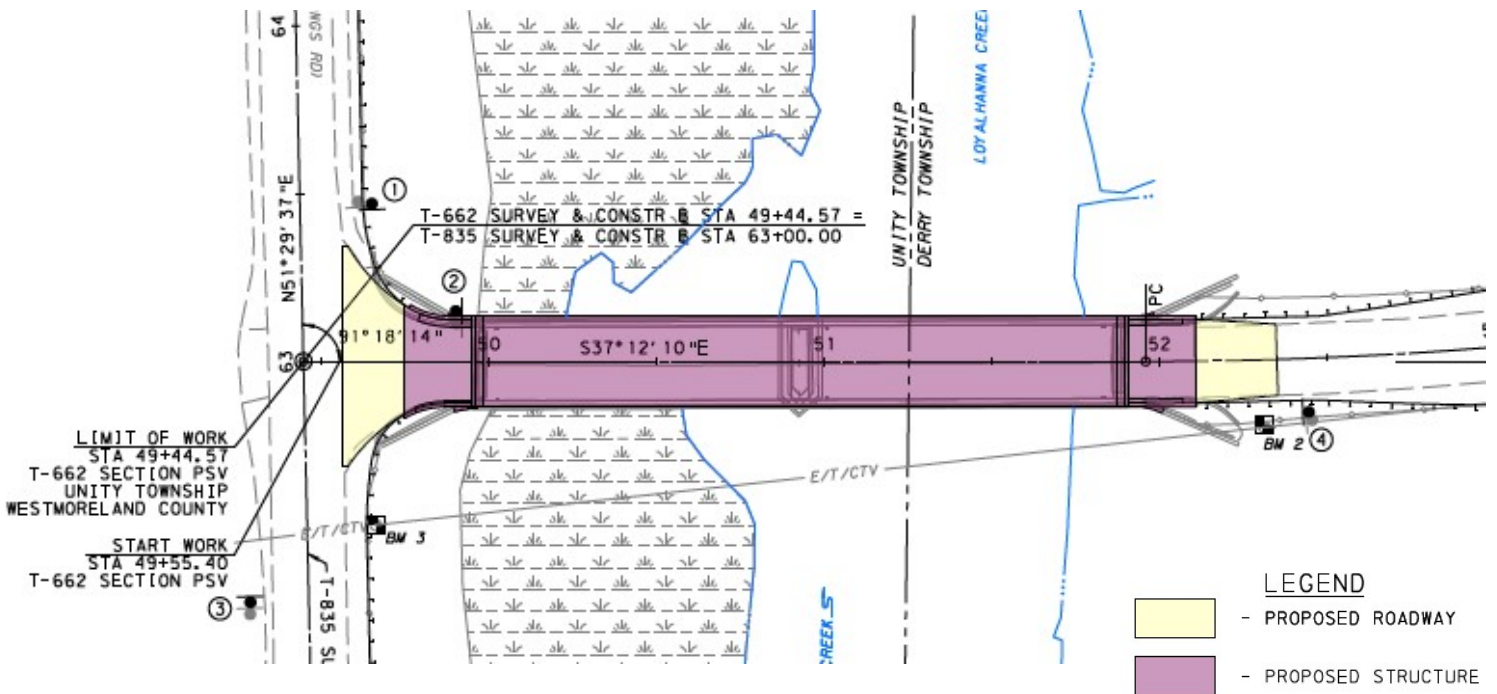


## DETOUR

Traffic will be detoured via T-835 (Longs Road), Route 1022 (Garfield Road), T-831 (Cramer Road), West Tacoma Avenue, North Ligonier Street, and T-662 (McFarland Road).

## Scope of work includes:

- Replace expansion joints at both abutments.
- Construct new approach slabs.
- Remove and reconstruct abutment backwalls.
- Perform deck and barrier repairs and apply protective coating.
- Clean and flush scuppers.
- Clean and paint the superstructure for 10'-0" at each end of the girders at joint locations.
- Repair damaged or missing aluminum railing members.
- Perform concrete substructure repairs as indicated.
- Apply protective coating to substructure units.
- Install guide rail and appropriate end treatments.
- Mill and resurface bridge approaches.
- Remove debris from the upstream nose of the pier.
- Install rock on the near side of the structure to mitigate erosion in front of the wingwalls.





# New Steele Bridge, North Ligonier Street/T-662 (McFarland Road) over Loyalhanna Creek

## City of Latrobe and Derry Township, Westmoreland County

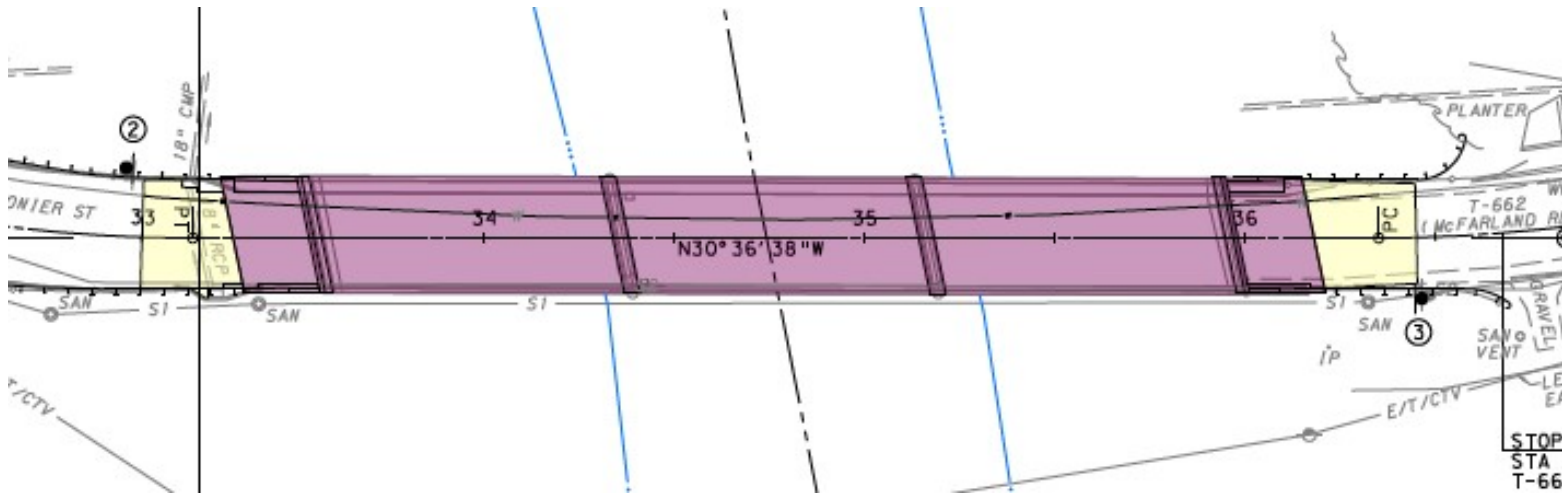


### DETOUR

Traffic will be detoured via T-662 (McFarland Road), T-835 (Longs Road), Route 1022 (Garfield Road), T-831 (Cramer Road), West Tacoma Avenue, and North Ligonier Street.

### Scope of work includes:

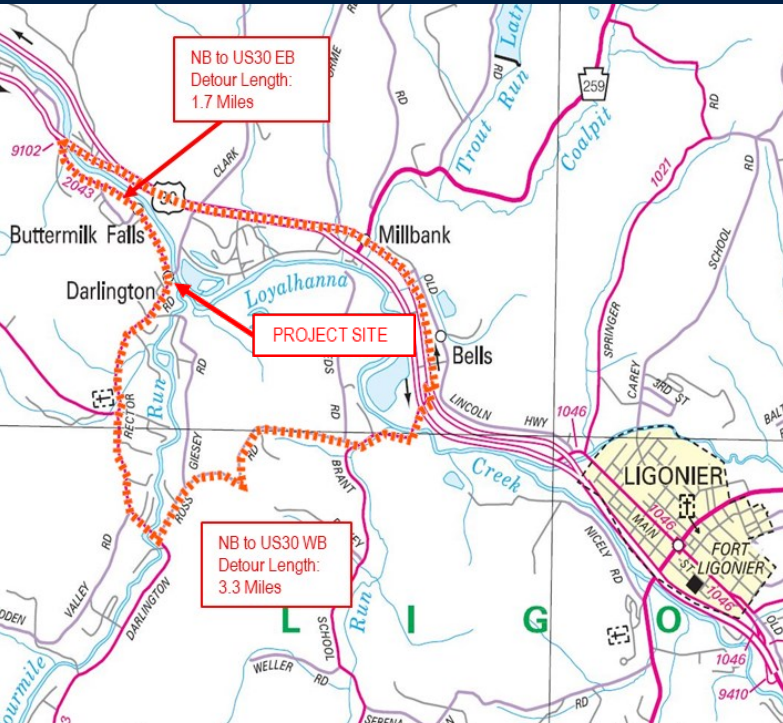
- Replace expansion joints at all substructure units.
- Construct new approach slabs.
- Remove and reconstruct abutment backwalls.
- Perform deck and barrier repairs and apply protective coating to deck and curbs.
- Clean and flush scuppers.
- Repair damaged aluminum railing members.
- Perform concrete substructure repairs as indicated.
- Apply protective coating to substructure units.
- Install guide rail and appropriate end treatments.
- Mill and resurface approach roadways.
- Replace rocker bearings.
- Clean and paint the superstructure for 10'-0" at each end of the girders at joint locations.



### LEGEND

- PROPOSED ROADWAY
- PROPOSED STRUCTURE

# Darlington Bridge, T-662 (McFarland Road) over Loyalhanna Creek Derry Township, Westmoreland County

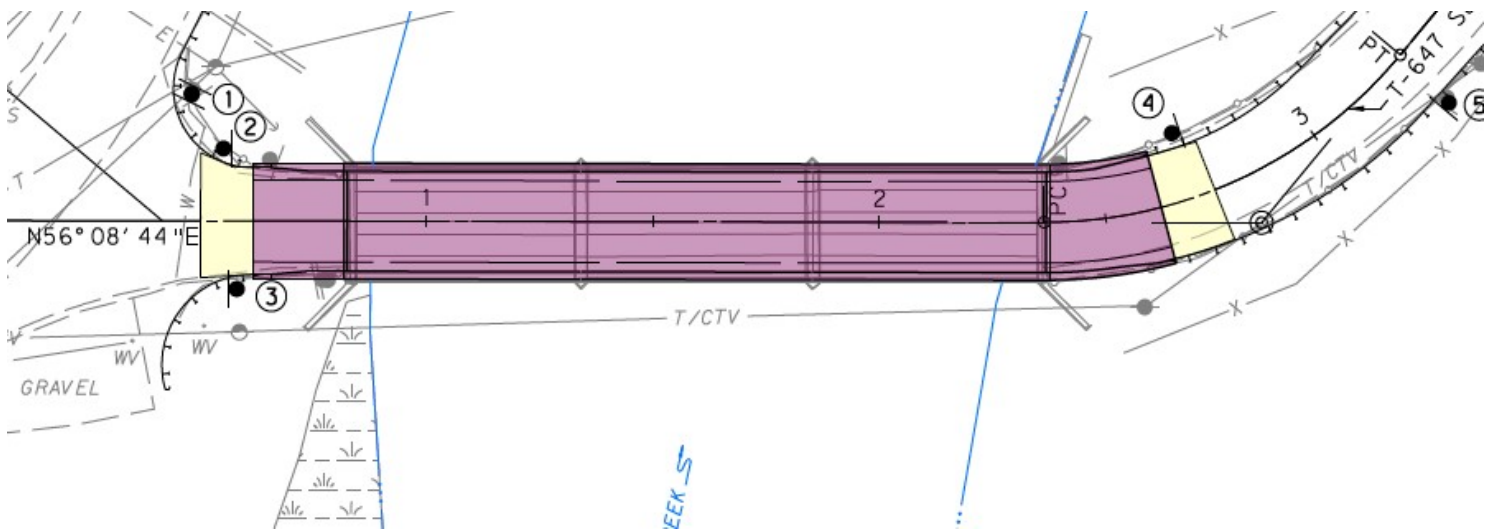


## DETOUR



Traffic will be detoured via Route 2043 (Darlington Rector Road), T-611 (Ross Road), Route 2045 (Brant School Road), and Route 30.

## Scope of work includes:

- Replace expansion joints at abutment 1, pier 1, pier 2 and abutment 2.
- Remove asphalt overlay, deck and barriers from existing bridge and construct new deck and barriers.
- Construct new approach slabs.
- Remove and reconstruct abutment backwalls.
- Clean and paint the superstructure for 10'-0" at each end of the beams at joint locations.
- Perform concrete substructure repairs as indicated.
- Apply protective coating to substructure units.
- Install guide rail and appropriate end treatments.
- Mill and resurface bridge approach roadways.
- Remove debris from the upstream nose of the pier and install rock protection.
- Replace missing and damaged anchor bolts.



## LEGEND

-  - PROPOSED ROADWAY
-  - PROPOSED STRUCTURE