

VIRTUAL PUBLIC PLANS DISPLAY

Washington County Planning Commission
for
Raccoon Creek Bridge No. 23
(West Pittsburgh Street) over Burgetts Fork
Burgettstown Borough, Washington County



PROJECT TEAM

- Project Owner:

Vincent Ley, PE
Washington County Engineer
724-250-4650 | leyv@co.Washington.pa.us

- Design Team:

Brian Burkus, EIT – District Project Manager
PennDOT Engineering District 12-0
724-415-3767 | bburkus@pa.gov

Nicholas Brien, PE, CBSI – Design Consultant Project Manager
Dawood, a Woolpert Company
+1 223-201-8638 | Nicholas.Brien@woolpert.com



PROJECT PURPOSE & DESCRIPTION

- **Project Purpose:**

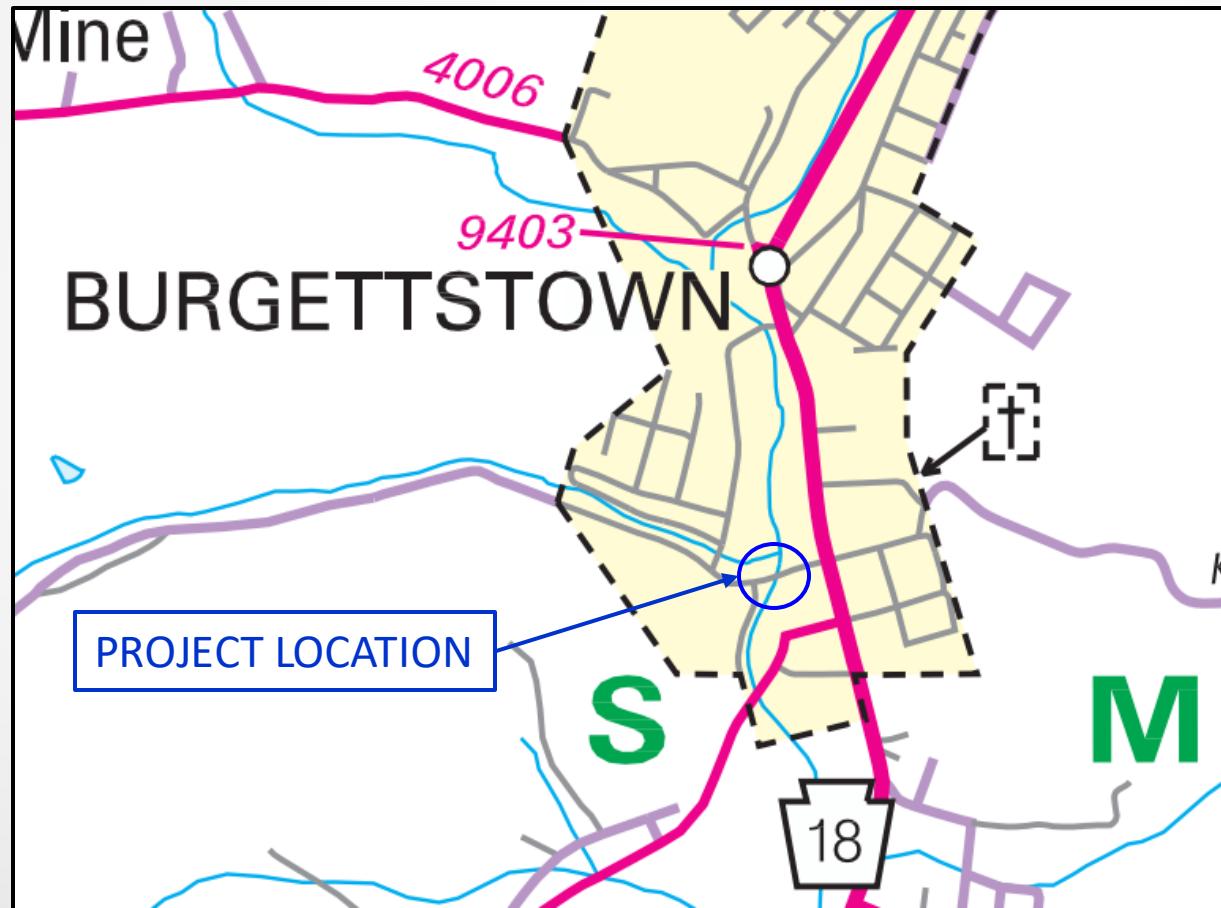
The purpose of this project is to correct the structural deficiencies of the bridge and to provide a safe and efficient crossing of West Pittsburgh Street over Burgetts Fork in Burgettstown Borough, Washington County. The existing structure, Raccoon Creek Bridge No. 23, was built in 1964 and has an estimated ADT of roughly 511 vehicles with 2% truck traffic. The current structure is in serious condition due to existing superstructure deterioration and section loss along the beams. Raccoon Creek Bridge No. 23 currently has a posted weight limit of 12 tons, which is driven by this deterioration. The stone masonry abutments have minor deterioration, missing mortar, and some cracking in the mortar joints. The far abutment has an advanced to serious scour hole along the full length of the abutment and far left wingwall. The roadway width is narrow (17'- 2" curb-to-curb) and does not meet the current design criteria (22'-0" curb-to-curb). The railing system does not meet the current crash standards on the structure itself, and there are no guiderail transitions present at the project site.

- **Anticipated Schedule:**

The project is currently in Preliminary Engineering. Final Design is expected to begin in December 2025. Construction letting is anticipated in the fall of 2027 with construction starting in the spring of 2028. There will be minor roadway work, and the new structure will have approximately the same footprint as the existing structure with slightly wider traffic lanes and bridge length.



LOCATION MAP



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EXISTING PHOTOGRAPHS

Existing Bridge Condition:



EXISTING PHOTOGRAPHS

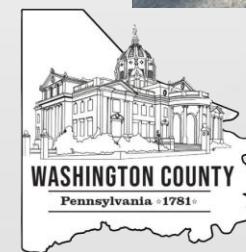
Near Approach:

(W. Pittsburgh Street Looking East)



Far Approach:

(W. Pittsburgh Street Looking West)



EXISTING PHOTOGRAPHS

Standing on Bridge (Looking Upstream)



Standing on Bridge (Looking Downstream)



EXISTING PHOTOGRAPHS

Upstream Elevation:



Downstream Elevation:



PROPOSED PROJECT IMPROVEMENTS

- Existing Structure:

Steel multi-beam bridge with a steel grid deck and a steel railing on stone masonry abutments.

- Proposed Improvements:

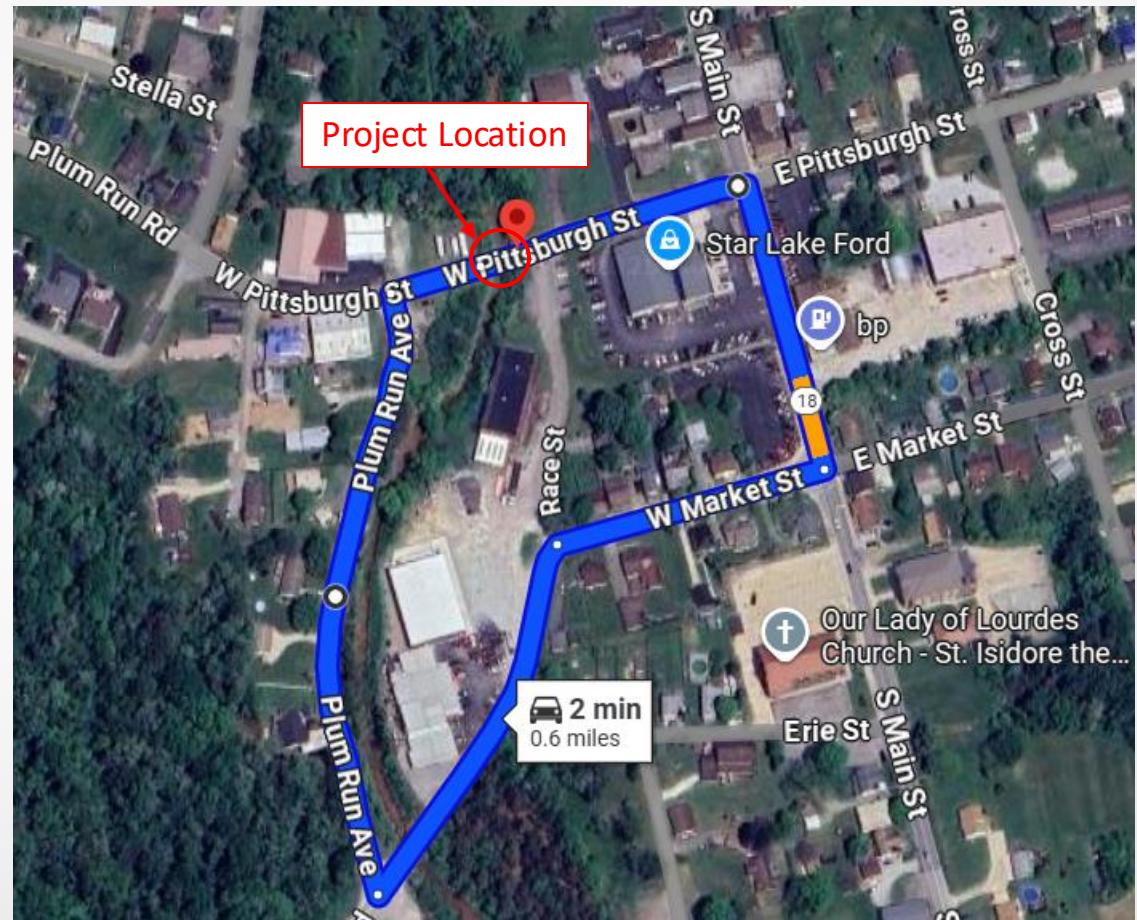
- Replace the bridge structure with approximately the same footprint as the existing structure
- Provide widened lane and shoulder widths with two 9' lanes, one 2' shoulder, and one 5' shoulder to provide a means for pedestrians to cross Raccoon Creek
- Provide a safer bridge barrier, bridge barrier transitions, and guide rail that meet current standards
- Minor approach roadway improvements such new asphalt pavement and pavement markings



DETOUR

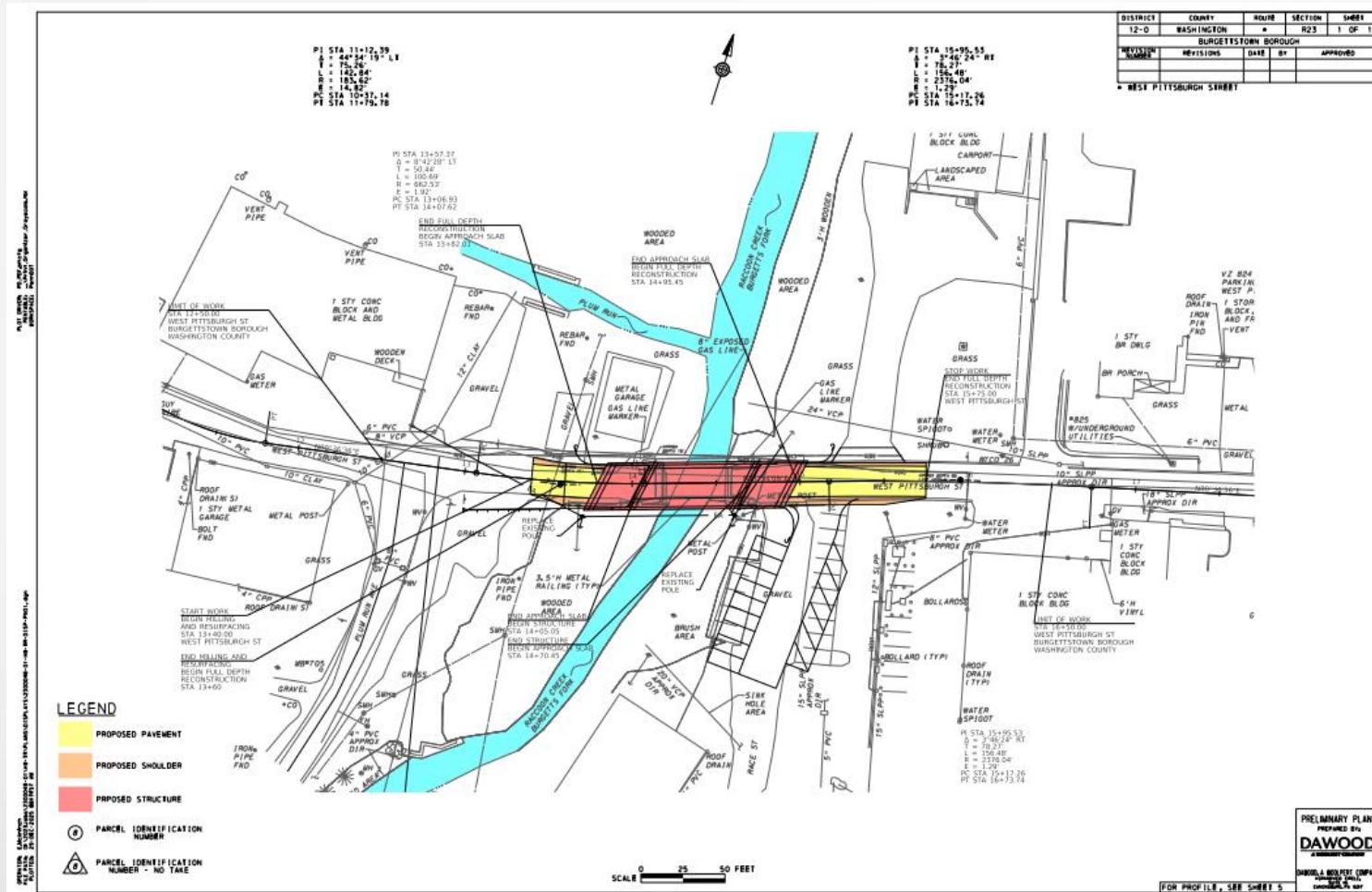
Traffic will be detoured via West Pittsburgh Street, Plum Run Avenue, Race Street/Market Street (SR 4008), and Main Street (SR 18).

The $\frac{1}{2}$ -mile detour will in place for approximately 6 months.



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ROADWAY PLAN



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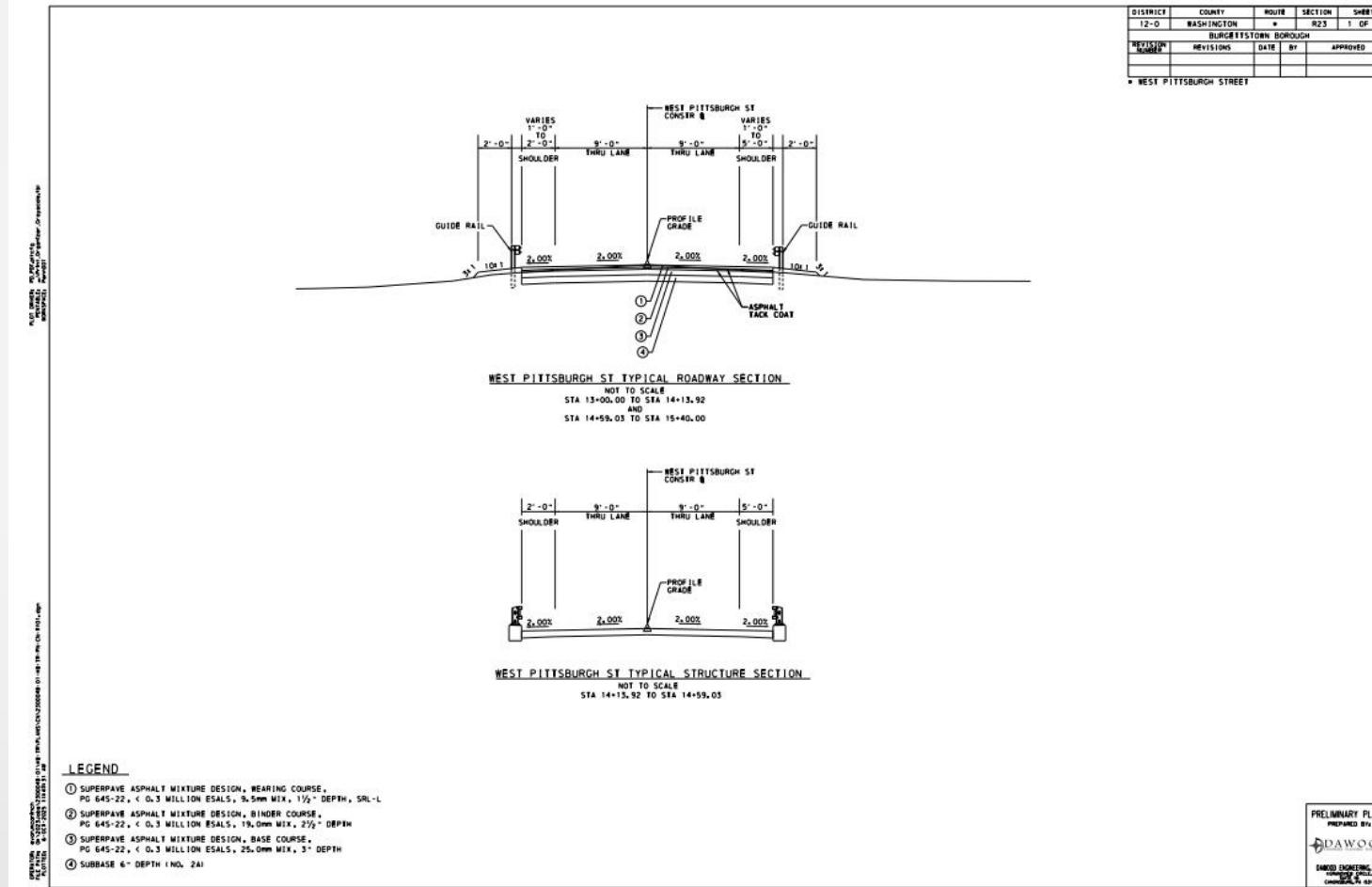
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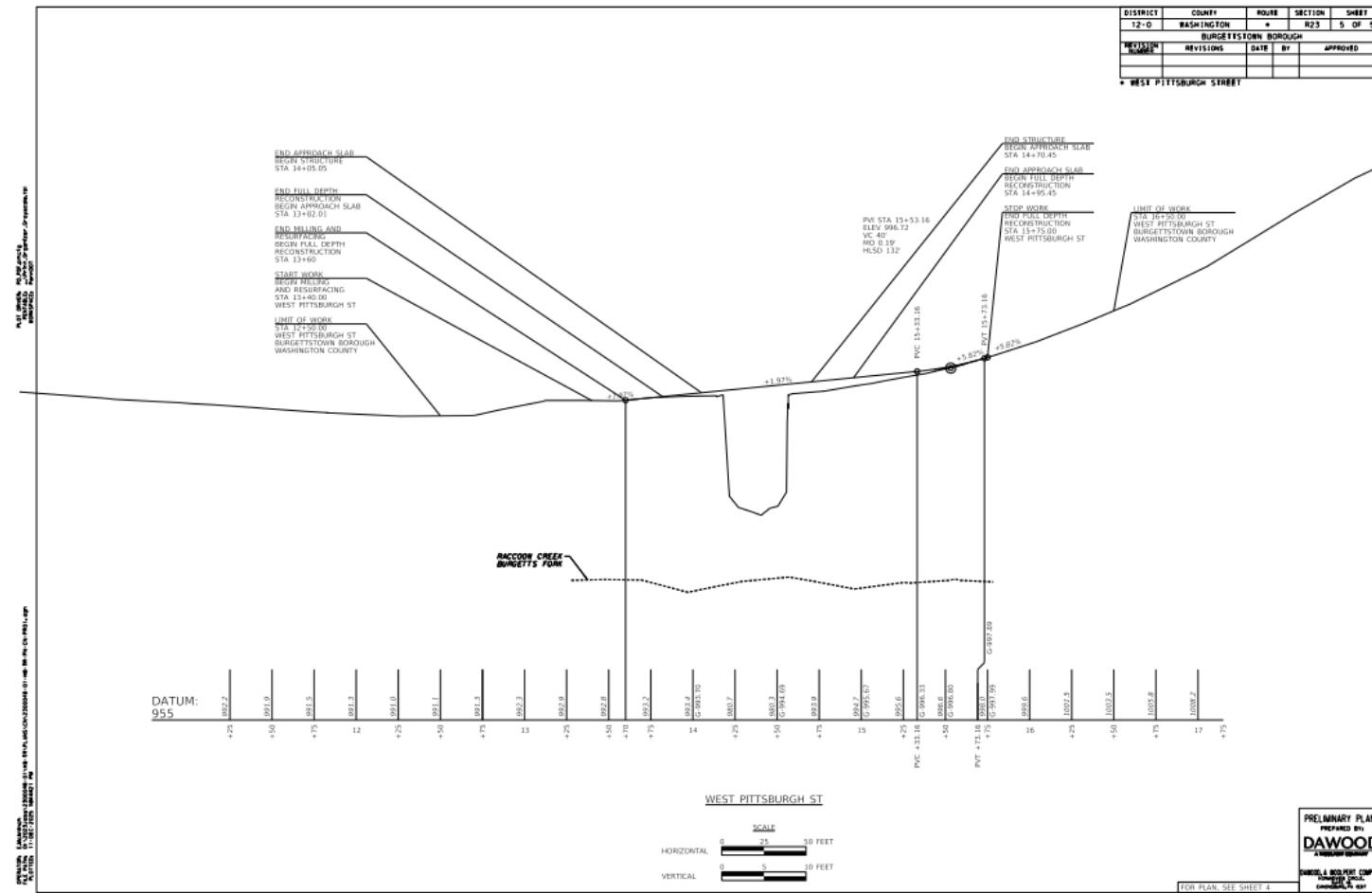
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ROADWAY TYPICALS



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ROADWAY PROFILE



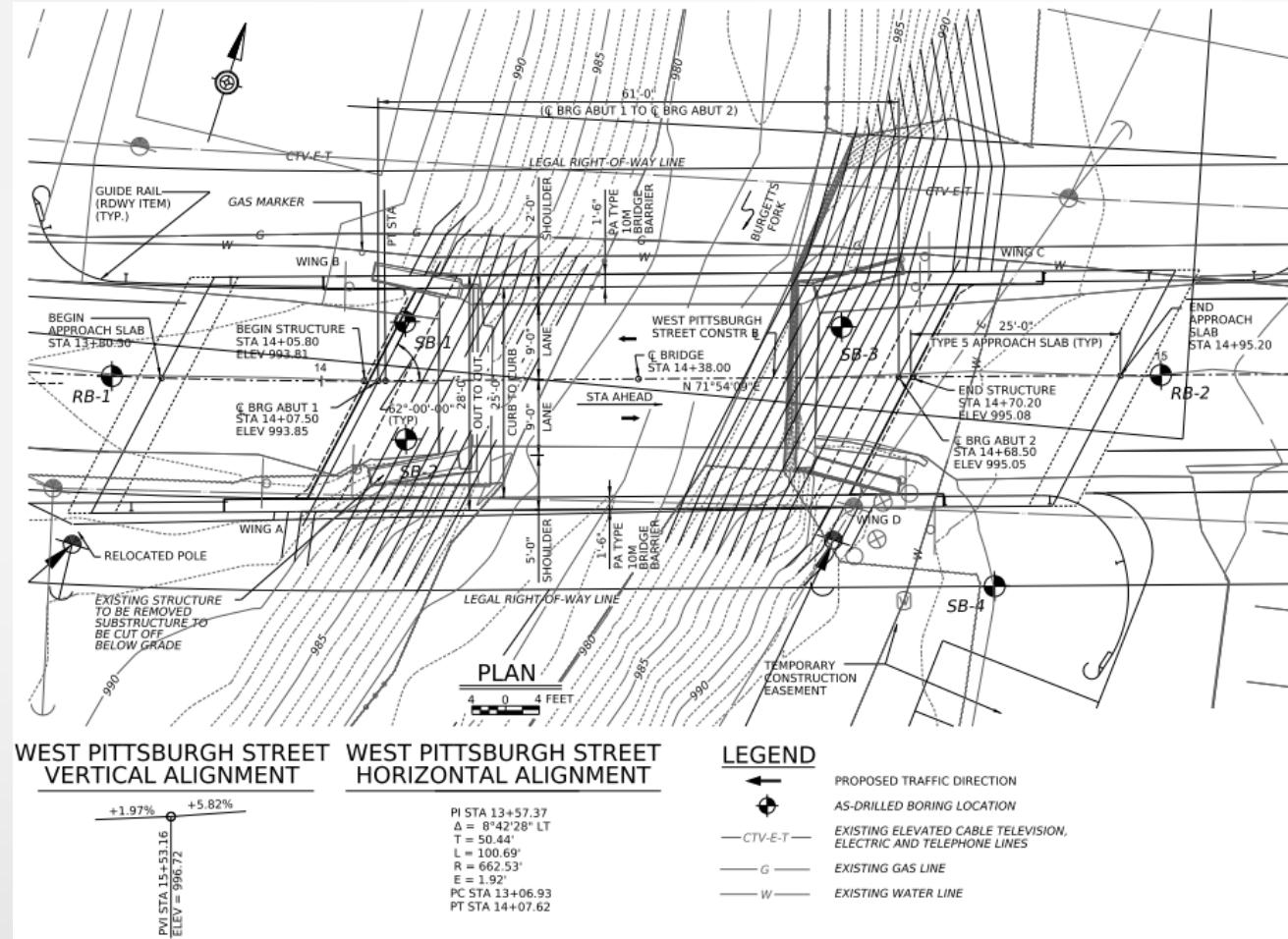
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STRUCTURE PLAN



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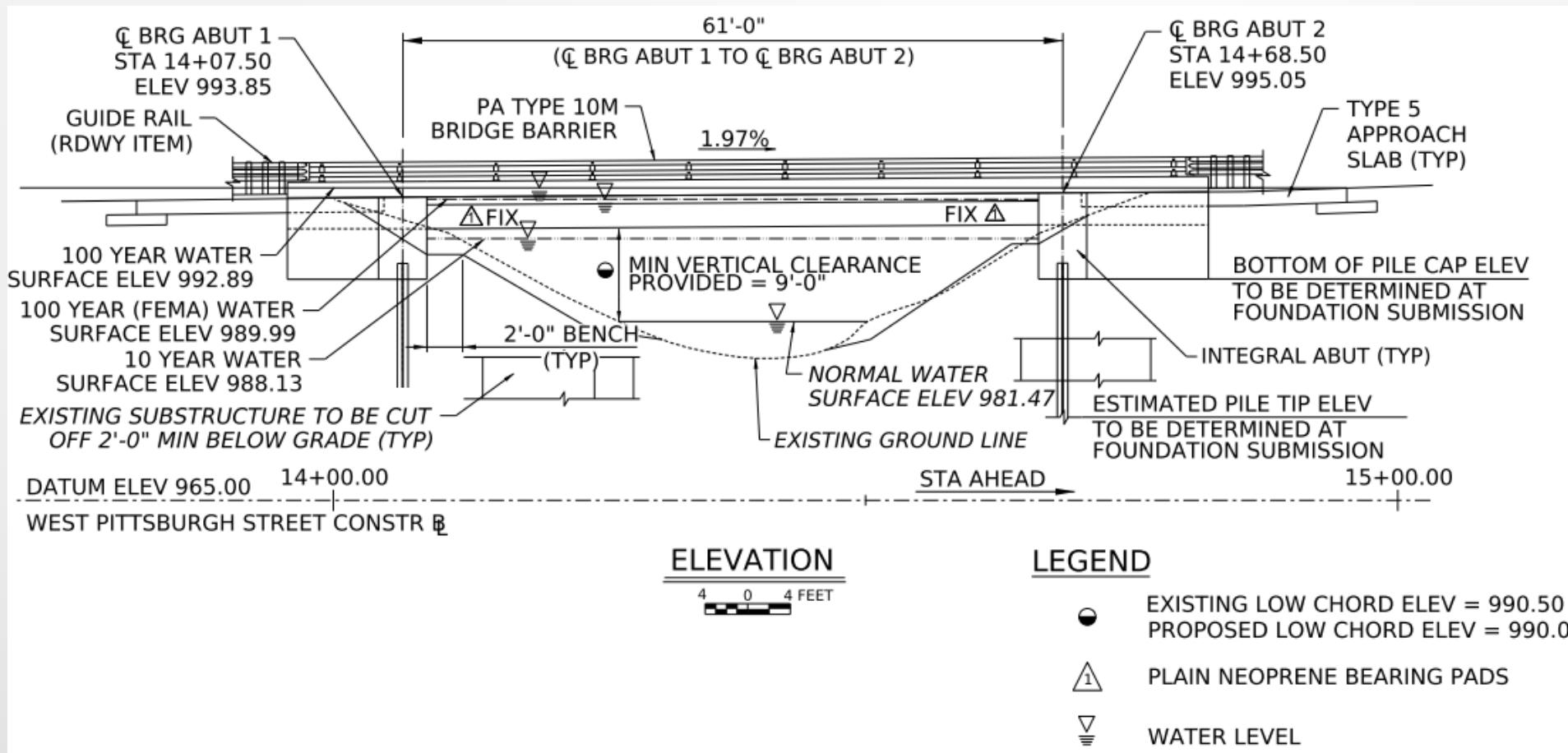
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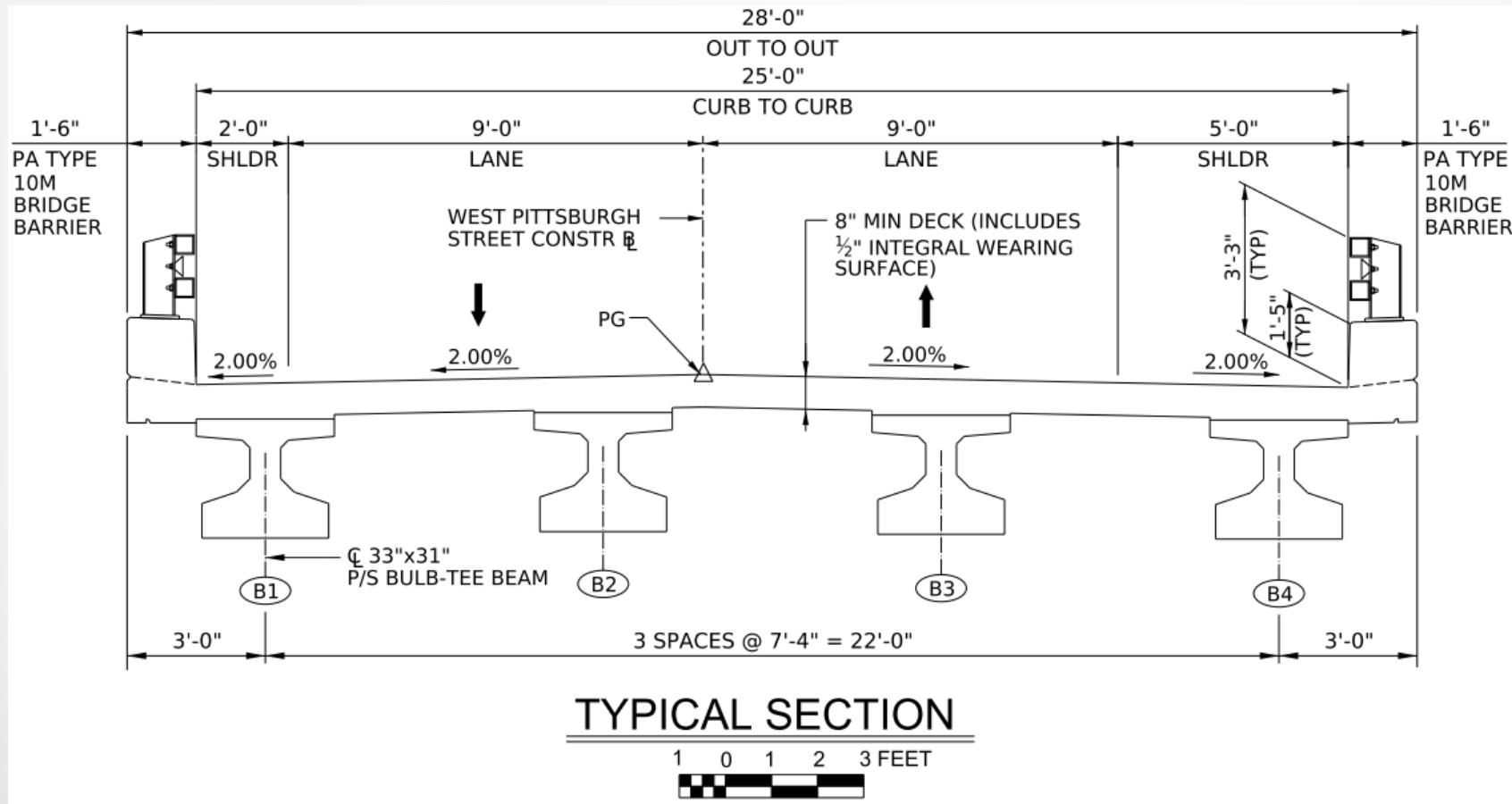
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BRIDGE ELEVATION



BRIDGE TYPICAL SECTION



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