ECMS/MPMS#: 74234

STATE ROUTE 3009 OVER BUFFALO CREEK



Bridge Replacement
State Route 3009, Section C10

East Finley Township
Washington County

Cracraft Road / Sunset Beach Road

SAI Consulting Engineers

U.S. Department of Transportation
Federal Highway Administration

Pennsylvania
Department of Transportation

PUBLIC PRESENTATION - NOVEMBER 5, 2026

PUBLIC MEETING AGENDA

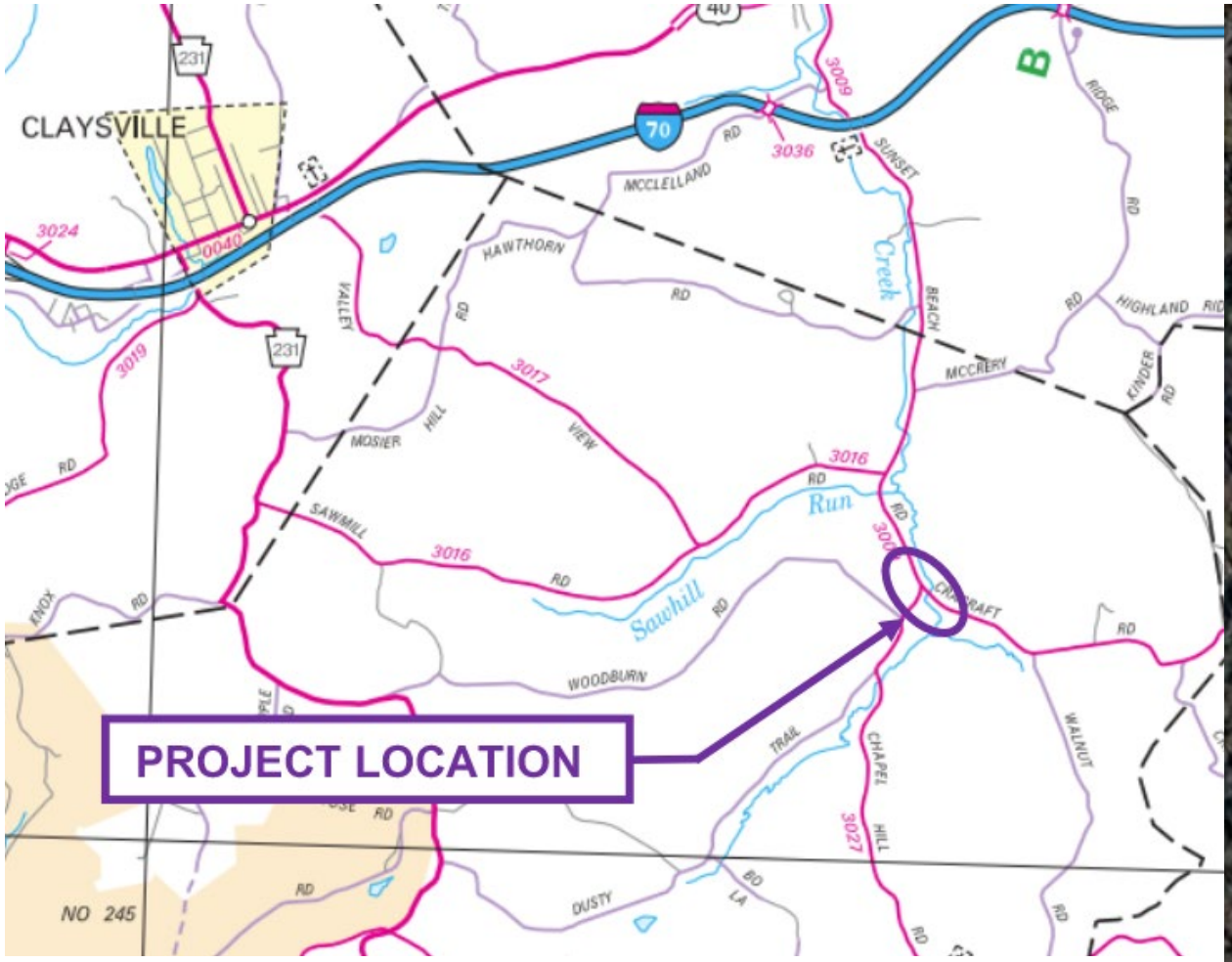
- Project Location
- Project Summary
- Existing Conditions
- Proposed Design Features
- Traffic Control During Construction
- Roadway and Bridge Features
- Project Milestones
- Next Steps
- Questions

PROJECT TEAM

- PennDOT Engineering District 12-0
  - Brian Svesnik – Project Manager
    724-415-2400 bsvesnik@pa.gov

- SAI Consulting Engineers, Inc.
  - Brian Long, P.E. – SAI Project Manager
    412-392-8731 blong@saiengr.com

PROJECT LOCATION





PROJECT SUMMARY

- **Project Description:**
  - State Route 3009 (Cracraft Road) Bridge over Buffalo Creek is located in East Finley Township, Washington County. The project consists of the complete replacement of the existing single span structure with a single span galvanized plate girder structure. Approach roadway work will consist of approximately 200′ of roadway reconstruction to the south and approximately 175′ of roadway reconstruction to the north. Approximately 200’ of State Route 3027 (Chapel Hill Road) will be reconstructed to tie into the adjusted profile of State Route 3009, due to the location of the intersection immediately adjacent to the bridge. The roadways will be reconstructed on the existing horizontal alignments, and the roadway profiles will be raised to accommodate a slightly higher structure. The proposed roadway typical section will consist of 11′ lanes and 4′ shoulders. Traffic will be maintained via detour.
- **Project Purpose and Need:**
  - The purpose of this project is to provide a reliable crossing of State Route 3009 over Buffalo Creek which meets current design criteria and structural capacity needs while maintaining community and regional connectivity. The existing structure was built in 1938 and is in poor condition overall due to minor scaling and significant cracks in both abutments, and the beams have moderate flake rust.

PROJECT PHOTOS

Existing Structure





PROJECT PHOTOS

Existing Roadway



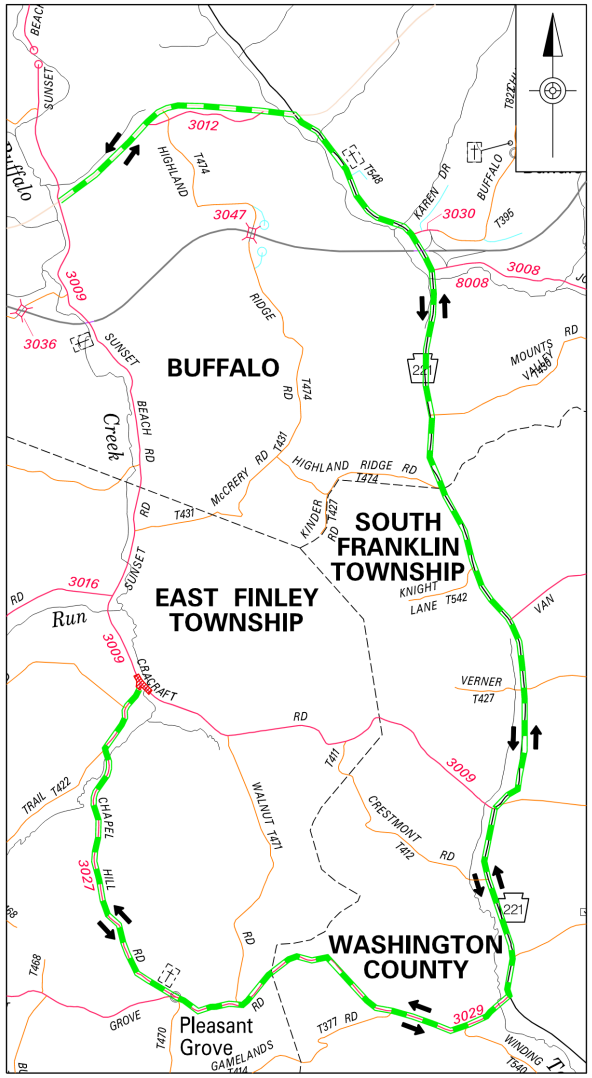


- Existing Lanes: Varies 10’-11’
- Existing Shoulders: None
- Existing Total Width of Bridge: 26’

PROJECT IMPROVEMENTS

- Scope of Work Includes:
  - Replace structure on existing alignment.
  - Reconstruct roadway approaches including wider lanes and shoulders
    - Includes tie-in work on State Route 3027 (Chapel Hill Road)
  - Replace drainage pipes to accommodate widened / raised roadway
  - Realign parallel tributary (ditch) to accommodate widened roadway
  - Install guide rail to protect structure and slopes
  - Replace signing

PROJECT TRAFFIC CONTROL



NOT TO SCALE

Proposed Detour Route:

- US 40
- State Route 221 (S. Bridge Road)
- State Route 3029 (Pleasant Grove Rd)
- State Route 3027 (Chapel Hill Rd)

Length = 9.9 miles

LEGEND

- WORK AREA
- DIRECTION OF TRAVEL
- DETOUR ROUTE
- MUNICIPAL BOUNDARY

TRAFFIC CONTROL PLAN

SR 3009 (CRACRAFT ROAD) &
SR 3027 (CHAPEL HILL ROAD) DETOUR

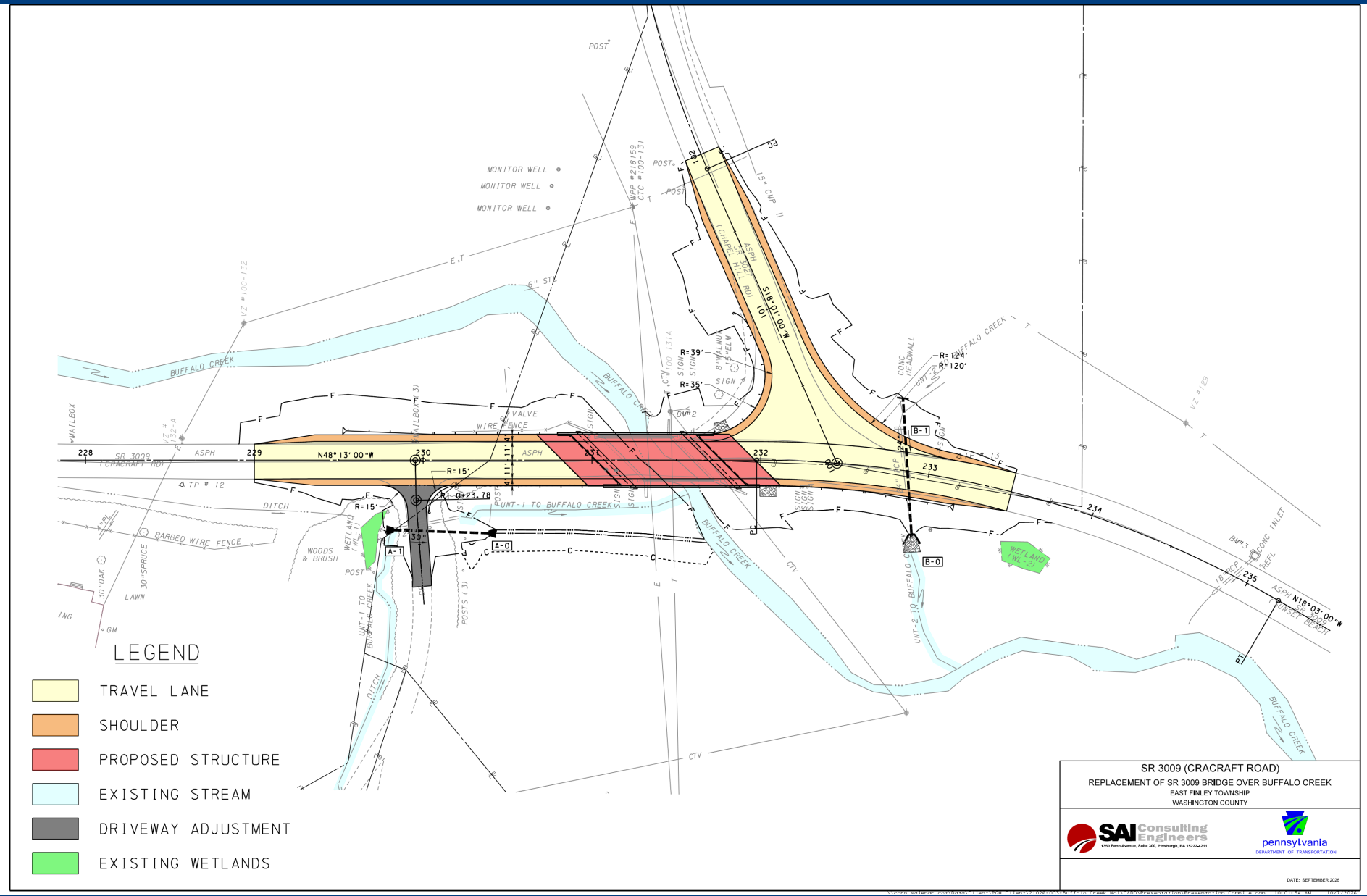
SR 3009 (CRACRAFT ROAD)
REPLACEMENT OF SR 3009 BRIDGE OVER BUFFALO CREEK
EAST FINLEY TOWNSHIP
WASHINGTON COUNTY

SAI Consulting Engineers
1339 Penn Avenue, Suite 300, Pittsburgh, PA 15222-4211

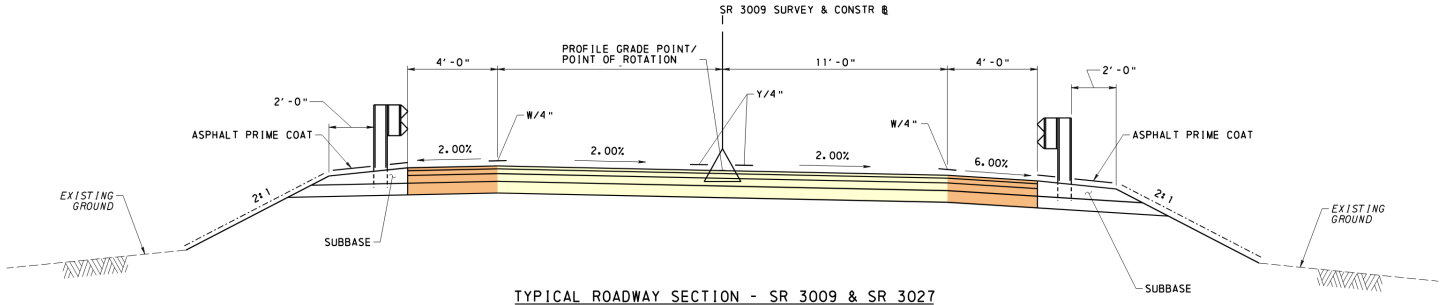
pennsylvania
DEPARTMENT OF TRANSPORTATION

DATE: SEPTEMBER 2026

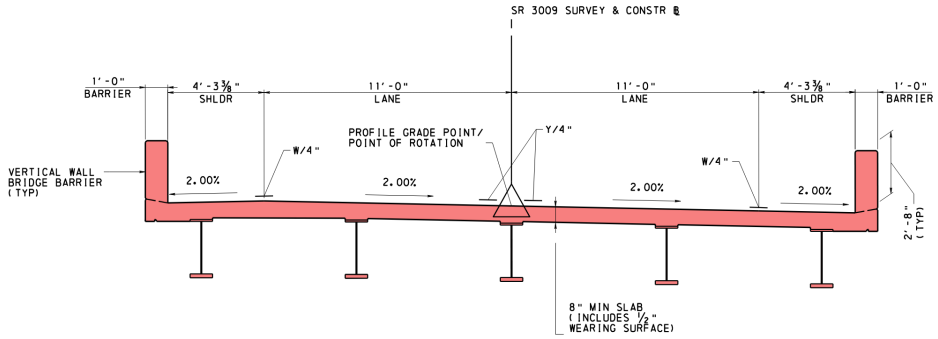
PROJECT ROADWAY PLAN



PROJECT ROADWAY TYPICAL SECTION



TYPICAL ROADWAY SECTION - SR 3009 & SR 3027



TYPICAL STRUCTURE SECTION - SR 3009

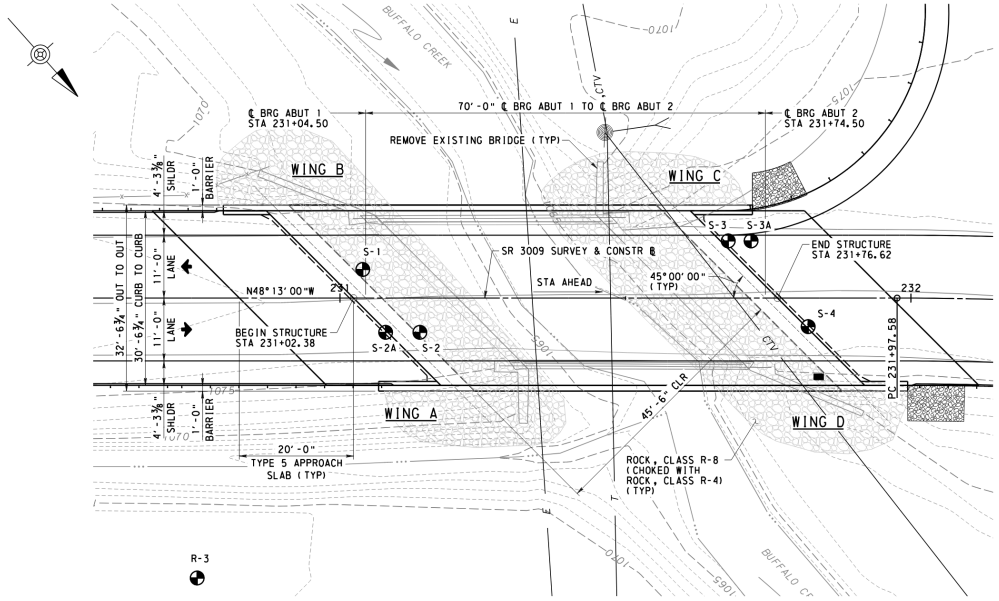
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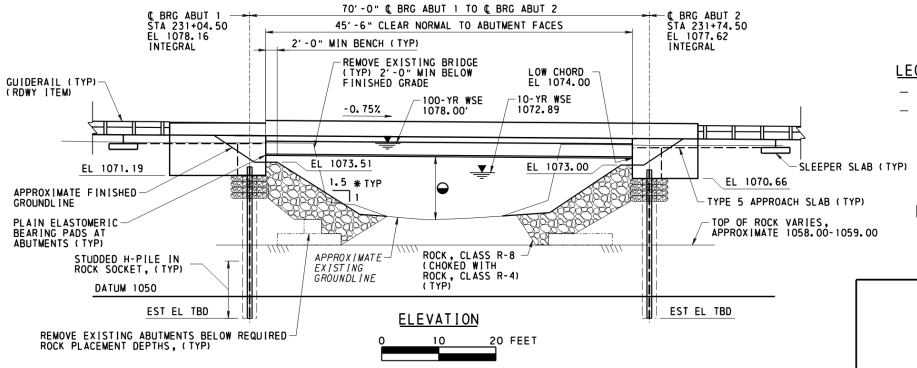
DATE: SEPTEMBER 2026

PROJECT STRUCTURE



PLAN

0 10 20 FEET

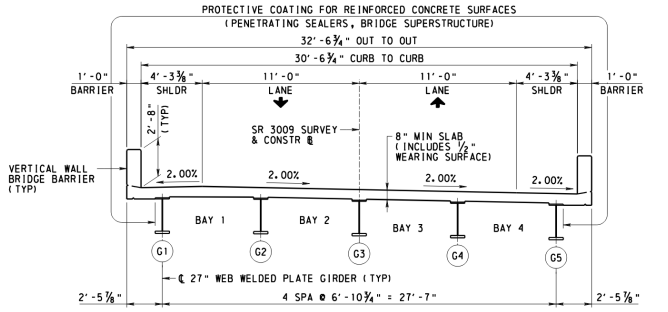


ELEVATION

0 10 20 FEET

NOTE

• FOR SUPPLEMENTAL DRAWINGS SEE SHEET 2 OF 2



TYPICAL SECTION
LOOKING AHEAD STATION

4' 2" 0' 4'

NOTES: ¾" MINIMUM HAUNCH

HORIZONTAL CURVE DATA

STRUCTURE IS ON A TANGENT

APPROACH SLAB 2 IN CURVE

PI STA 233+63.33
Δ = 30°10'00" RT
T = 165.75'
L = 232.80'
R = 615.00'
E = 21.94'
PC STA = 231+97.58
PT STA = 235.21.38
SE = 2.00%

HYDRAULIC DATA:

DRAINAGE AREA = 4.28 SQ MI

10 YEAR (DESIGN) FLOOD

DISCHARGE = 1914 CFS
WATER SURFACE EL = 1072.89'
STREAM VELOCITY = 12.18 FPS

25 YEAR FLOOD

DISCHARGE = 2587 CFS
WATER SURFACE EL = 1074.37'
STREAM VELOCITY = 13.09 FPS

100 YEAR FLOOD

DISCHARGE = 3829 CFS
WATER SURFACE EL = 1078.00'
STREAM VELOCITY = 11.18 FPS

FLOOD OF RECORD - N/A

VERTICAL CURVE DATA

-3.16% -0.75%

PVI STA 229+57.67
PVI ELEV. = 1079.25
VC = 100.00'
MO - 0.30'

-0.75% 1.80%

PVI STA 232+99.76
PVI ELEV. = 1076.68
VC = 100.00'
MO - 0.32'

AS-DRILLED BORING LOCATIONS

BORING NO	STATION	OFFSET
R-3	230+75.00	49' RT
S-1	231+04.00	5' LT
S-2	231+14.00	6' RT
S-2A	231+08.00	6' RT
S-3	231+68.00	10' LT
S-3A	231+72.00	10' LT
S-4	231+82.00	5' RT

ESTIMATED SCOUR DEPTHS (FT)

FREQUENCY	100-YEAR FLOOD		500-YEAR FLOOD	
LOCATION	ABUT 1	ABUT 2	ABUT 1	ABUT 2
CONTRACTION SCOUR	16	16	16	16

LEGEND

— E —	EXISTING ELECTRICAL LINE (TO BE RELOCATED)
— T —	EXISTING TELEPHONE LINE (TO BE RELOCATED)
TBD	TO BE DETERMINED
WSE	WATER SURFACE ELEVATION
*	GRADE NORMAL TO FF ABUTMENT (TYP)
	DIRECTION OF TRAVEL
	LOCATION OF LOW CHORD ELEVATION
	THALWEG TO LOW CHORD = 10'-6"
	BORING LOCATION

MARK	DESCRIPTION	BY	CHK'D.	APP'D.	DATE
REVISIONS					

S.R. 3009 PREVIOUSLY KNOWN AS L.R. 62135
BMS STR ID: 62-3009-0100-0406 MPMS/ECMS PROJ: 74234 BRKEY: 71554

DESIGNED BY	ARF
DRAWN BY	ARF
CHECKED BY	RES

PREPARED BY:

SAI Consulting Engineers
1350 Penn Avenue, Suite 300, Pittsburgh, PA 15222-4211

REG. PROF. ENGR. PENNA.

DATE:

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

WASHINGTON COUNTY
SR 3009 SECTION C10

SEGMENT 0100 OFFSET 0406
SR 3009 - SECTION C10 STA 231+39.50
OVER BUFFALO CREEK

1-SP COMP STEEL I-BEAM BRIDGE

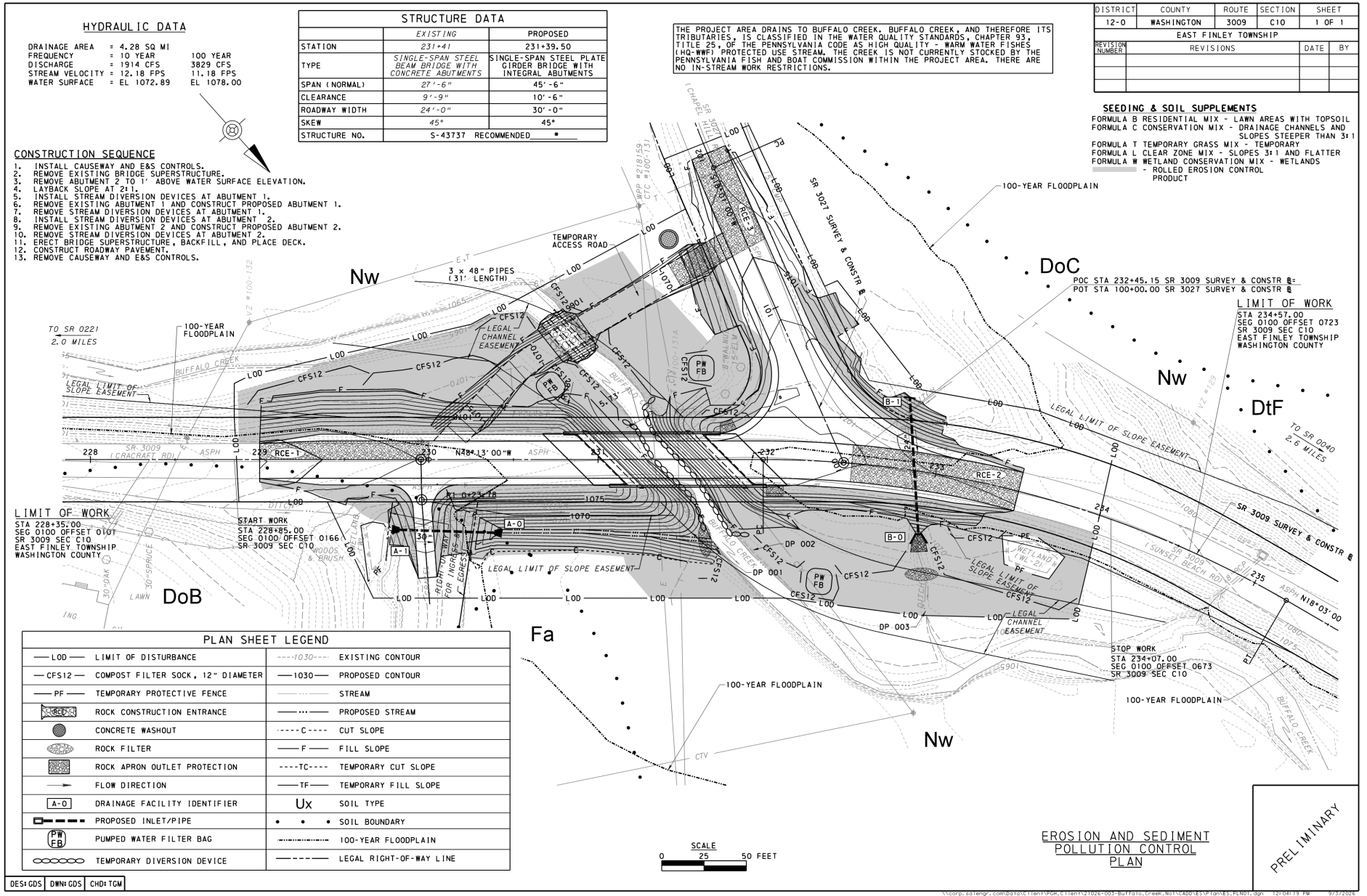
TYPE, SIZE AND LOCATION

RECOMMENDED

SHEET 1 OF 2
+ SUPPLEMENTAL DWGS

S - 43737

PROJECT CONSTRUCTION



PROPOSED PROJECT SCHEDULE

- Complete Preliminary Engineering: **Fall 2026**
- Begin Final Design: **Winter 2026**
- Begin Right-of-Way Acquisition: **Spring 2027**
- Let Project: **Summer 2028**
- Construction: **Spring/Summer 2029**

(Dates are subject to change)



NATIONAL ENVIRONMENTAL POLICY ACT

What is NEPA?

The National Environmental Policy Act (NEPA) was signed into law on January 1, 1970. It ensures that agencies **consider the significant environmental consequences** of their proposed actions and **informs the public about decision making** and **involves citizens** in the agencies decision making process.

NEPA REQUIRES



Decision-makers to be informed of the environmental consequences of their actions

Agencies to determine if their proposed actions will have significant environmental and related social and economic effects





Agencies to look to avoid, minimize, and mitigate those impact

CONTACT INFORMATION



Project Manager

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Community Relations Coordinator

Melissa Maczko

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724-415-3748

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