JEFFERSON STREET
PUBLIC PLAN DISPLAY

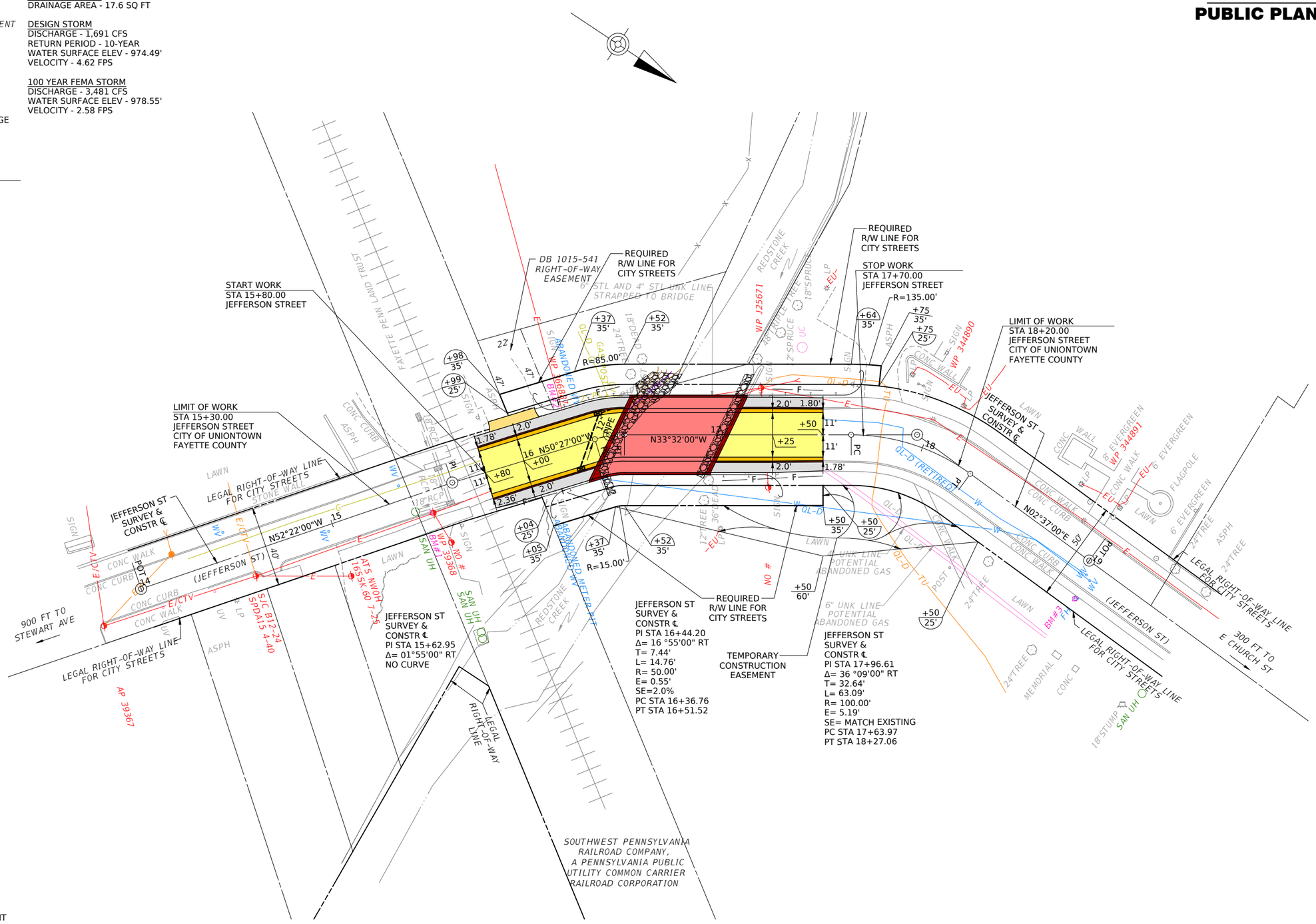
EXISTING STRUCTURE
STA -16+74.18
TYPE -SINGLE SPAN NON-COMPOSITE ADJACENT BOX BEAM BRIDGE
NORMAL CLEAR SPAN 48'-4"
SKEW -64° 00' 00" ± LT AHD
ROADWAY WIDTH -24'-6"
UNDERCLEARANCE -7' - 1"

PROPOSED STRUCTURE
STA - 16+74.18
TYPE - SINGLE SPAN COMPOSITE STEEL PLATE GIRDER BRIDGE
NORMAL CLEAR SPAN - 48'-4"
UNDERCLEARANCE - 7' - 2"
SKEW - 64° 00' 00" LT AHD
ROADWAY WIDTH - 26'-0"
STRUCTURE NO S - PENDING
RECOMMENDED

HYDRAULIC DATA
DRAINAGE AREA - 17.6 SQ FT

DESIGN STORM
DISCHARGE - 1,691 CFS
RETURN PERIOD - 10-YEAR
WATER SURFACE ELEV - 974.49'
VELOCITY - 4.62 FPS

100 YEAR FEMA STORM
DISCHARGE - 3,481 CFS
WATER SURFACE ELEV - 978.55'
VELOCITY - 2.58 FPS

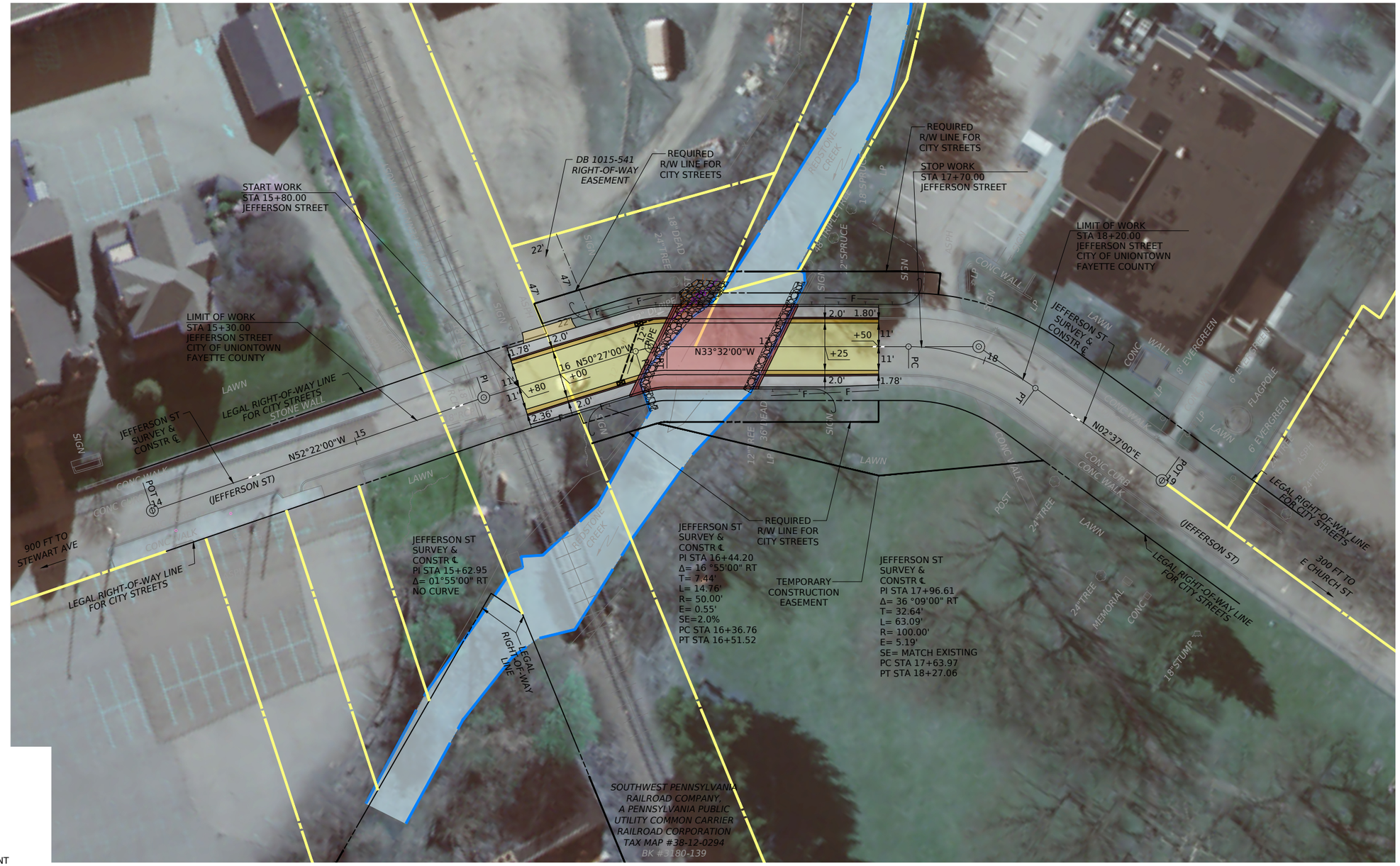


LEGEND

- PAVEMENT
- SHOULDER
- DRIVE ADJUSTMENT
- STRUCTURE
- SIDEWALK
- CURB
- F — FILL SLOPE
- TERMINAL SECTION, SINGLE

PRELIMINARY
FOR STUDY PURPOSES ONLY

JEFFERSON STREET
PUBLIC PLAN DISPLAY



LEGEND

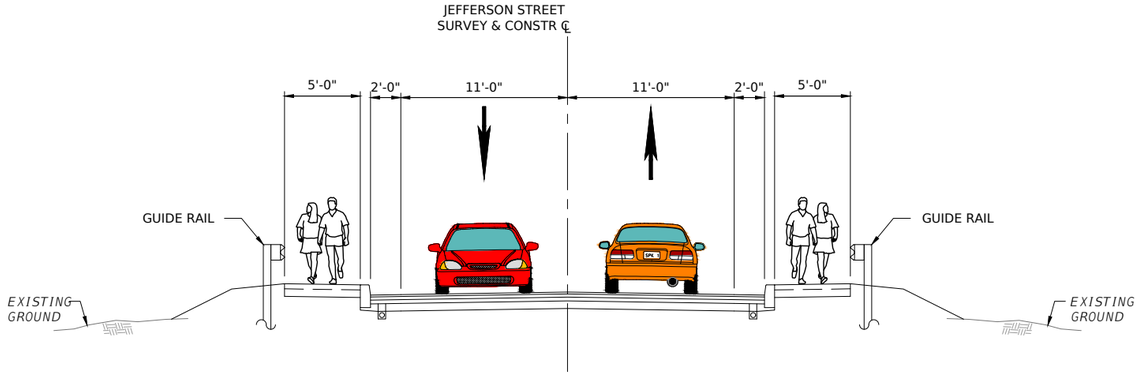
- PAVEMENT
- SHOULDER
- DRIVE ADJUSTMENT
- STRUCTURE
- SIDEWALK
- CURB

SCALE

0 25 50 FEET

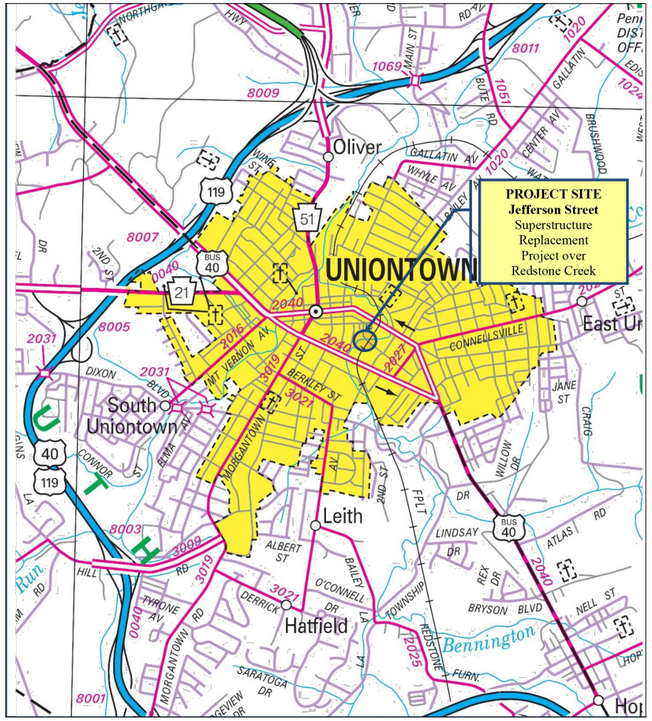
PRELIMINARY
FOR STUDY PURPOSES ONLY

JEFFERSON STREET
PUBLIC PLAN DISPLAY

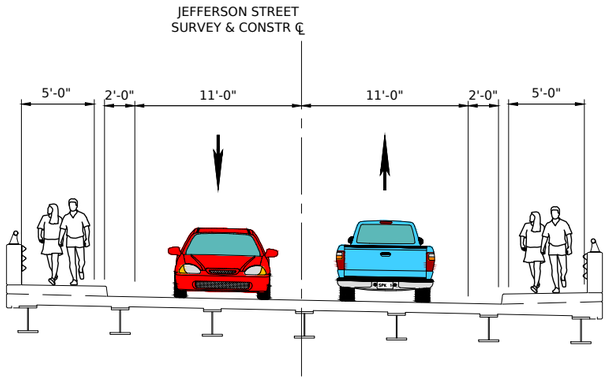


TYPICAL ROADWAY SECTION

JEFFERSON STREET
STA 15+80.00 TO STA 16+44.90
STA 17+03.36 TO STA 17+50.00
NOT TO SCALE



PROJECT LOCATION MAP



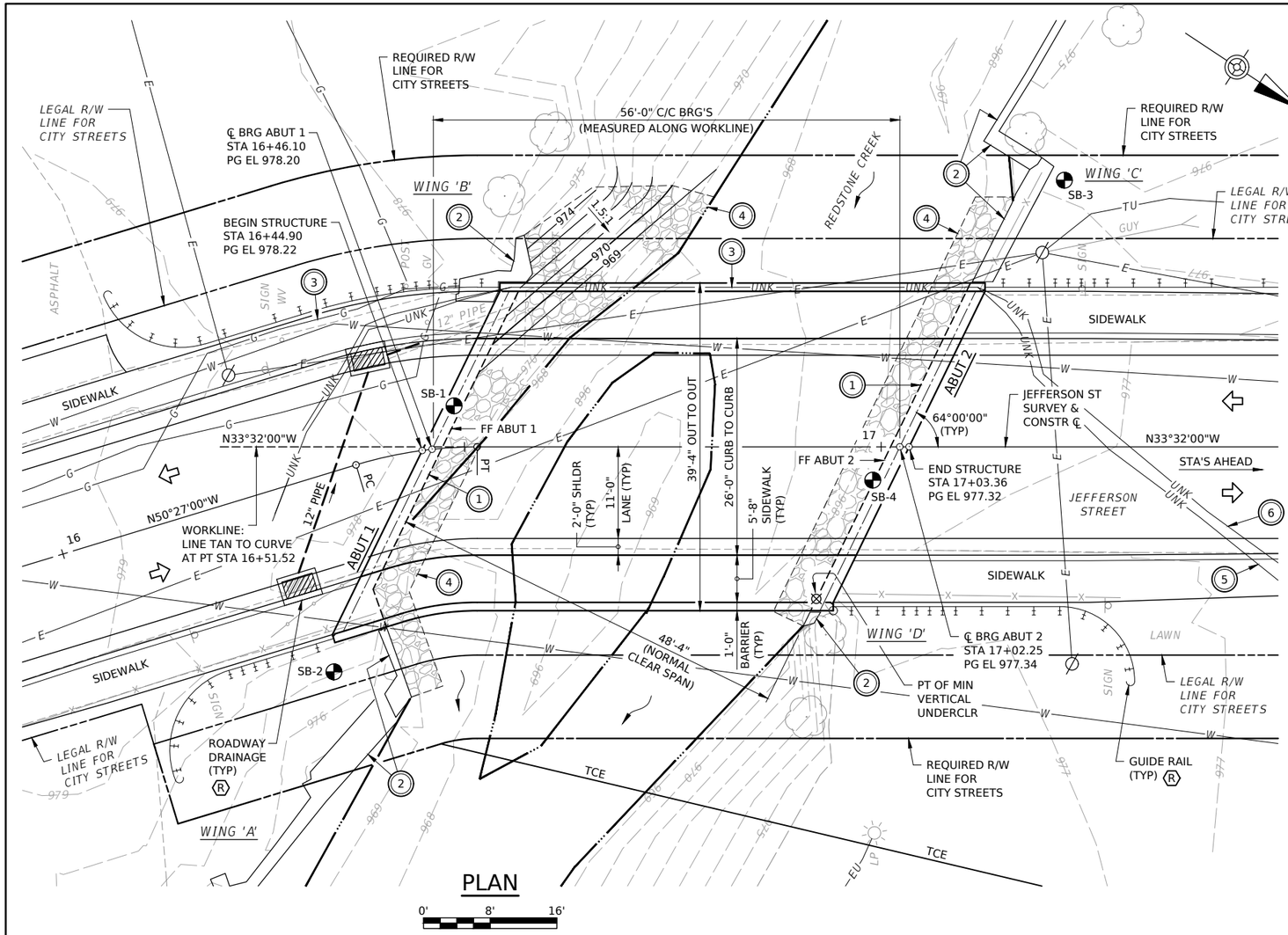
TYPICAL STRUCTURE SECTION

STA 16+44.90 TO STA 17+03.36
NOT TO SCALE

JEFFERSON STREET PROJECT SCHEDULE	
COMPLETE PRELIMINARY ENGINEERING	WINTER 2026
BEGIN FINAL DESIGN	SPRING 2027
BEGIN RIGHT-OF-WAY ACQUISITION	SPRING 2027
OPEN BIDS	MARCH 2028
ROAD CLOSURE & CONSTRUCTION	SUMMER 2028 OR 2029

PRELIMINARY
FOR STUDY PURPOSES ONLY

File name: I:\Roadway\DIST-12\Jefferson Street\Project Datum\Public Plans Display\Drawings\Public Involvement JSB Typicals.dwg Aug 20, 2026-3:01pm, agrkman



PLAN

0' 8' 16'

DESIGN SPECIFICATIONS:

1. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 8th EDITION 2017, AND AS SUPPLEMENTED BY DESIGN MANUAL, PART 4, DECEMBER 2019.
2. LIVE LOAD DISTRIBUTION TO BEAMS IS BASED UPON THE DESIGN MANUAL, PART 4, DISTRIBUTION FACTORS.
3. DESIGN IS IN ACCORDANCE WITH THE LRFD METHOD.

DESIGN LIVE LOADS:

1. PHL-93, P-82 AND P2016-13

NOTES:

1. FOR ELEVATION, TYPICAL DECK SECTION, STRUCTURE DATA & HYDRAULIC DATA, SEE SH 2.
2. FOR BRIDGE LOAD RATINGS TABLE, SEE SH 3.
3. PROVIDE 32" VERTICAL WALL BARRIER WITH ALUMINUM OR STEEL BRIDGE HAND RAILING.
4. APPROACH SLABS ARE NOT REQUIRED.
5. STRIP SEAL DAMS & BACKWALLS ARE NOT REQUIRED.
6. PROVIDE GUIDE RAIL WITH THRIE-BEAM TO BRIDGE BARRIER TRANSITION CONNECTIONS AT ENDS OF BARRIERS (ROADWAY ITEM).
7. REMOVE PORTIONS OF EXISTING ABUTMENTS. CONSTRUCT NEW CONCRETE CAPS ALONG TOPS OF REMAINING EXISTING ABUTMENTS.
8. ALL EXISTING & PROPOSED GROUND CONTOURS ARE IN 1 FT INTERVALS.
9. ALL ELEVATIONS ARE BASED ON NAVD 88 DATUM.

DES: APG	DWG: JAD	CKD: PMS

AS-DRILLED TEST BORINGS

HOLE NO.	STATION	OFFSET (FT)	
		LEFT	RIGHT
SB-1	16+49.0	5.0	-
SB-2	16+27.0	-	23.0
SB-3	17+22.0	32.0	-
SB-4	16+99.0	-	4.0

PRELIMINARY
FOR STUDY PURPOSES ONLY

LEGEND:

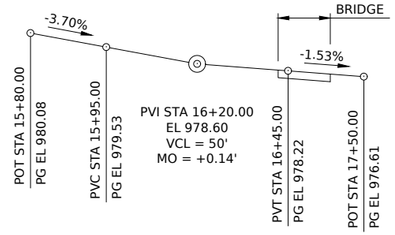
- 900 — DENOTES EXISTING GROUND CONTOURS
- 900 — DENOTES PROPOSED GROUND CONTOURS
- E/E/G/W — TU/UNK — DENOTES EXISTING UTILITY
- (R) DENOTES ROADWAY ITEM
- INDICATES TRAFFIC DIRECTION
- SB-1 AS-DRILLED TEST BORING
- (1) REMOVE PORTION OF EXISTING CONCRETE CAP AND STONE MASONRY ABUTMENT. CONSTRUCT NEW CONCRETE CAP ON TOP OF EXISTING ABUTMENT.
- (2) PORTION OF EXISTING CHANNEL WALL TO REMAIN.
- (3) THE EXISTING UTILITY LINES MOUNTED TO THE EXISTING STRUCTURE ARE POTENTIAL ABANDONED GAS LINES. THE GAS LINE PRIOR TO THE STRUCTURE IS ACTIVE. REMOVE THE PORTIONS ATTACHED TO THE EXISTING STRUCTURE (ROADWAY ITEM).
- (4) PROVIDE SELECTED BORROW EXCAVATION ROCK, CLASS R-7, (36" MIN PLACEMENT DEPTH), CHOKED WITH ROCK, CLASS R-4, ALONG ENTIRE FACE OF EACH ABUTMENT AND ALONG PROPOSED ABUT 1 EMBANKMENT.
- (5) 4" UNKNOWN UTILITY LINE (POTENTIAL ABANDONED GAS LINE)
- (6) 6" UNKNOWN UTILITY LINE (POTENTIAL ABANDONED GAS LINE)

TCE = TEMPORARY CONSTRUCTION EASEMENT

HORIZONTAL CURVE DATA
JEFFERSON STREET

PI STA 16+44.20
Δ = 16°55'00" RT
T = 7.44'
L = 14.76'
R = 50.00'
E = 0.55'
PC STA 16+36.76
PT STA 16+51.52

JEFFERSON STREET
PUBLIC PLAN DISPLAY



GRADE DATA
JEFFERSON STREET

HYDRAULIC DATA
REDSTONE CREEK

DRAINAGE AREA: 17.6 SQ MILES

EXISTING:

DESIGN STORM
DISCHARGE: 1,691 CFS
RETURN PERIOD: 10 YEARS
WATER SURFACE ELEV: 974.81
VELOCITY: 4.33 FPS

100 YEAR FLOOD
DISCHARGE: 3,481 CFS
WATER SURFACE ELEV: 978.62
VELOCITY: 2.32 FPS

FLOOD OF RECORD
NOT AVAILABLE

PROPOSED:

DESIGN STORM
DISCHARGE: 1,691 CFS
RETURN PERIOD: 10 YEARS
WATER SURFACE ELEV: 974.49
VELOCITY: 4.62 FPS

100 YEAR FLOOD
DISCHARGE: 3,481 CFS
WATER SURFACE ELEV: 978.55
VELOCITY: 2.58 FPS

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

FAYETTE COUNTY
JEFFERSON STREET BRIDGE
SEGMENT 9010 OFFSET 6003
SR 7302-JSB STA 16+74.25
OVER REDSTONE CREEK
SINGLE SPAN COMP STEEL PLATE GIRDER BRIDGE

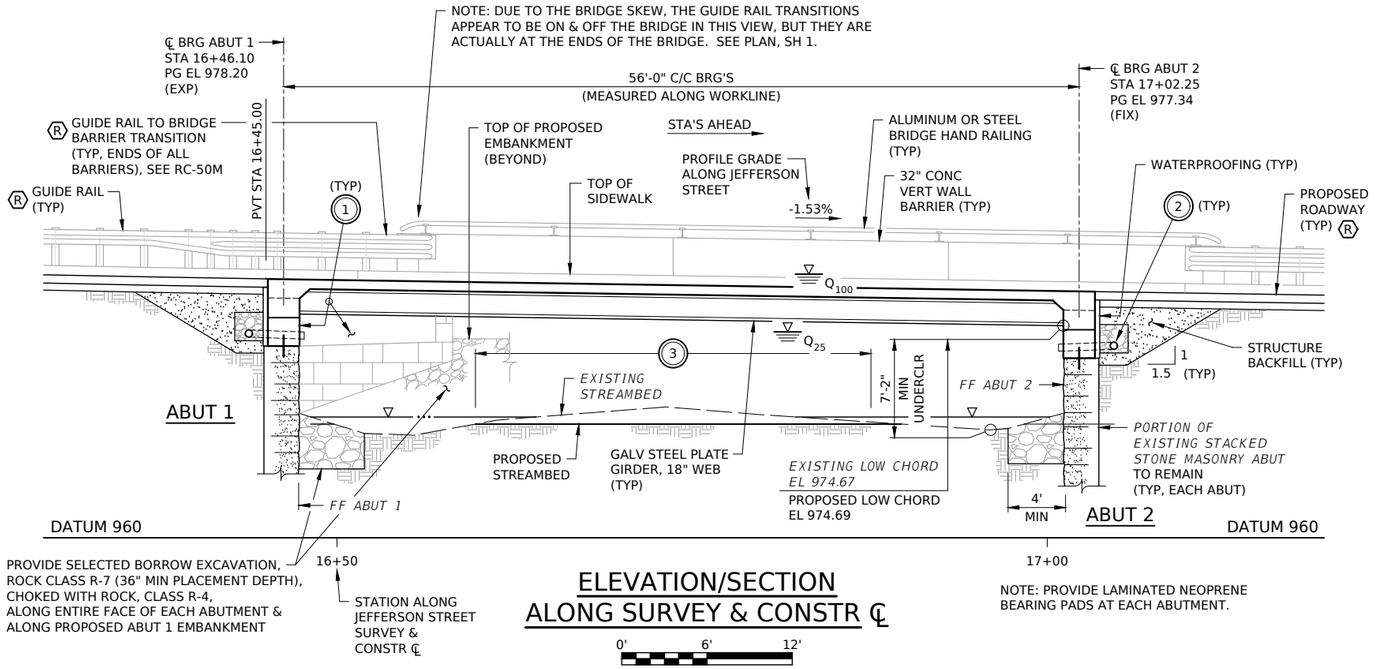
T. S. & L. GENERAL PLAN

RECOMMENDED _____

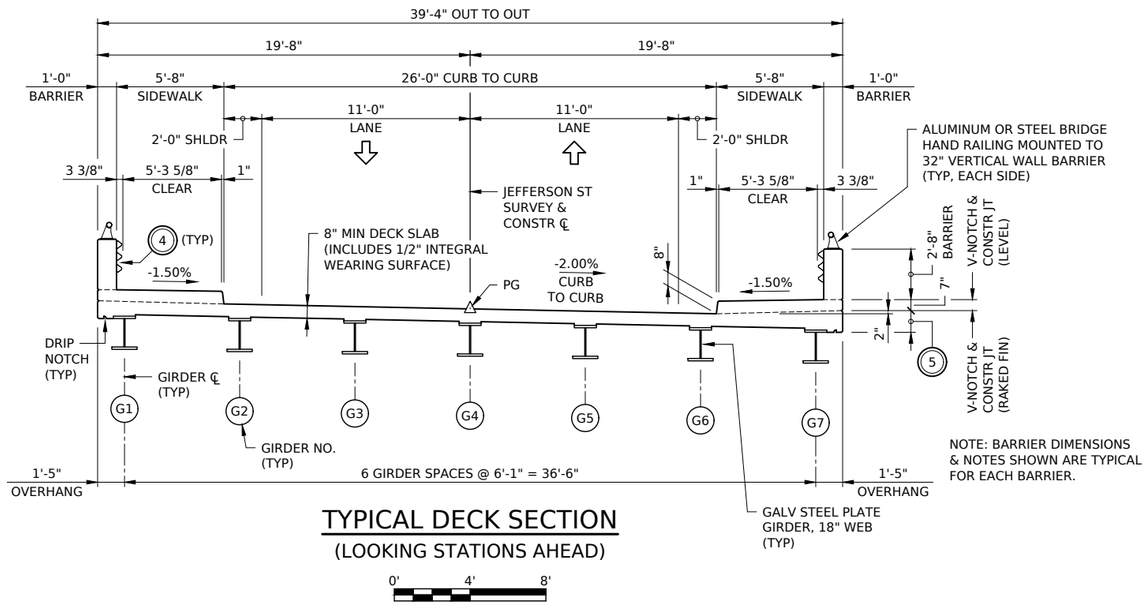
_____
DISTRICT BRIDGE ENGINEER

SHEET 1 OF 3
+ SUPPLEMENTAL DRAWINGS

L-PENDING



ELEVATION/SECTION ALONG SURVEY & CONSTR ℄



TYPICAL DECK SECTION

(LOOKING STATIONS AHEAD)

HYDRAULIC DATA
REDSTONE CREEK

DRAINAGE AREA: 17.6 SQ MILES

EXISTING:

DESIGN STORM
DISCHARGE: 1,691 CFS
RETURN PERIOD: 10 YEARS
WATER SURFACE ELEV: 974.81
VELOCITY: 4.33 FPS

100 YEAR FLOOD
DISCHARGE: 3,481 CFS
WATER SURFACE ELEV: 978.62
VELOCITY: 2.32 FPS

FLOOD OF RECORD
NOT AVAILABLE

PROPOSED:

DESIGN STORM
DISCHARGE: 1,691 CFS
RETURN PERIOD: 10 YEARS
WATER SURFACE ELEV: 974.49
VELOCITY: 4.62 FPS

100 YEAR FLOOD
DISCHARGE: 3,481 CFS
WATER SURFACE ELEV: 978.55
VELOCITY: 2.58 FPS

JEFFERSON STREET
PUBLIC PLAN DISPLAY

EXISTING STRUCTURE:

STA: 16+74.25
TYPE: SINGLE SPAN
NON-COMPOSITE ADJACENT
BOX BEAM BRIDGE
NORMAL CLEAR SPAN: 48'-4"
UNDERCLEARANCE: 7'-1"
SKEW: 64°00'00"± LT AHD
CLEAR ROADWAY WIDTH: 24'-6"±

PROPOSED STRUCTURE:

STA: 16+74.25
TYPE: SINGLE SPAN COMPOSITE
STEEL PLATE GIRDER BRIDGE
NORMAL CLEAR SPAN: 48'-4"
UNDERCLEARANCE: 7'-2"
SKEW: 64°00'00" LT AHD
CLEAR ROADWAY WIDTH: 26'-0"

LEGEND:

(1) REMOVE EXISTING CONCRETE CAP & CONSTRUCT NEW CONCRETE CAP (2' MIN HEIGHT). DOWEL NEW CAP INTO EXISTING MASONRY ABUTMENT (TYP, EACH ABUTMENT).

(2) STRUCTURE FOUNDATION DRAIN ALONG REAR FACE OF ABUTMENT. EXTEND THRU ABUTMENT CAP AND OUTLET AT FRONT FACE OF ABUTMENT (TYP, EACH ABUTMENT).

(3) REMOVE DEPOSITION/DEBRIS UNDER THE STRUCTURE (ROADWAY ITEM).

(4) GUIDE RAIL WITH THRIE-BEAM TO VERTICAL WALL BRIDGE BARRIER CONNECTIONS AT ENDS OF ALL BARRIERS, SEE STD DWG RC-50M (ROADWAY ITEM).

(5) 10 1/2" (LEFT OVERHANG)
1'-1" (RIGHT OVERHANG)

⇨ INDICATES TRAFFIC DIRECTION

(R) DENOTES ROADWAY ITEM

PRELIMINARY
FOR STUDY PURPOSES ONLY

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

FAYETTE COUNTY
JEFFERSON STREET BRIDGE
SEGMENT 9010 OFFSET 6003
SR 7302-JSB STA 16+74.25
OVER REDSTONE CREEK
SINGLE SPAN COMP STEEL PLATE GIRDER BRIDGE
T. S. & L. ELEVATION & SECTION

RECOMMENDED _____

SHEET 2 OF 3

L-PENDING

DES: APG	DWG: JAD	CKD: PMS