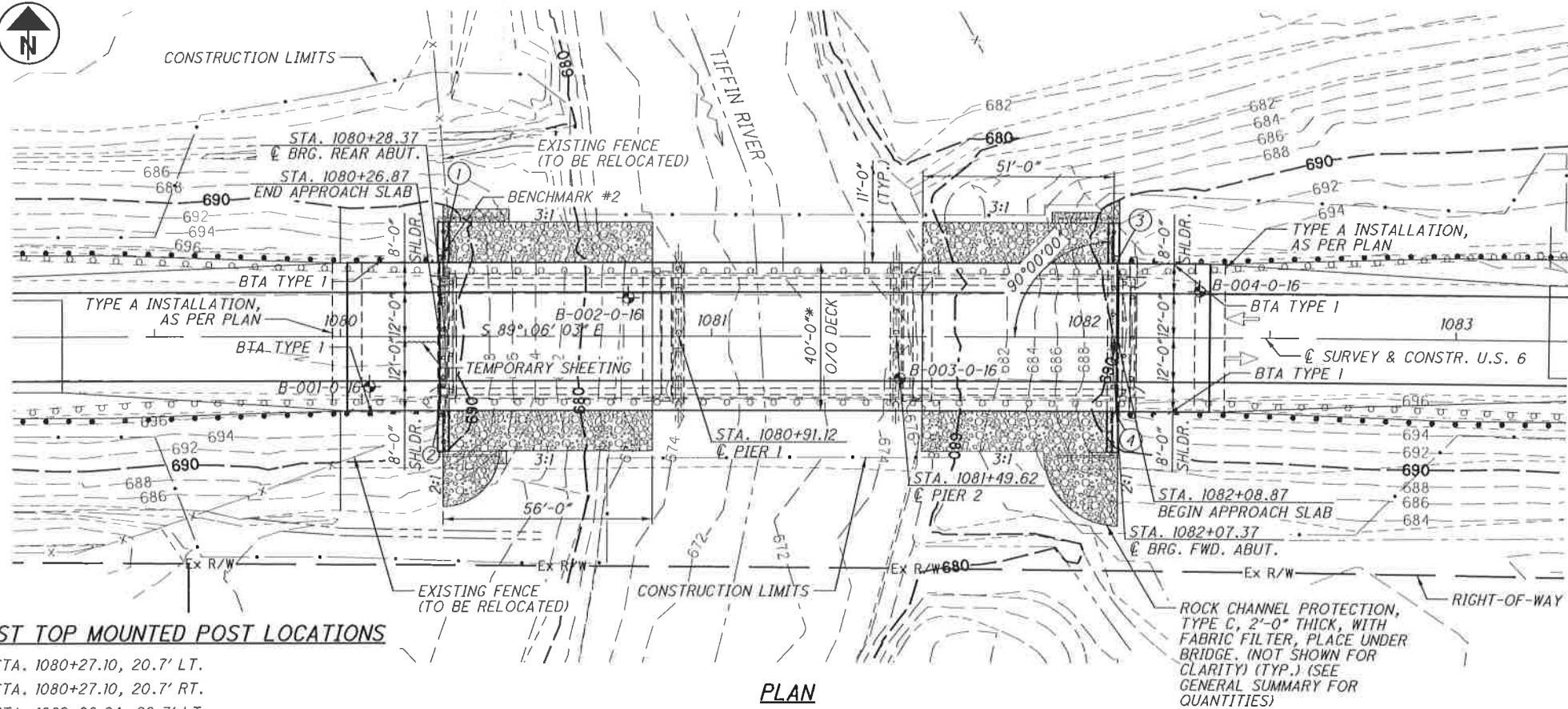
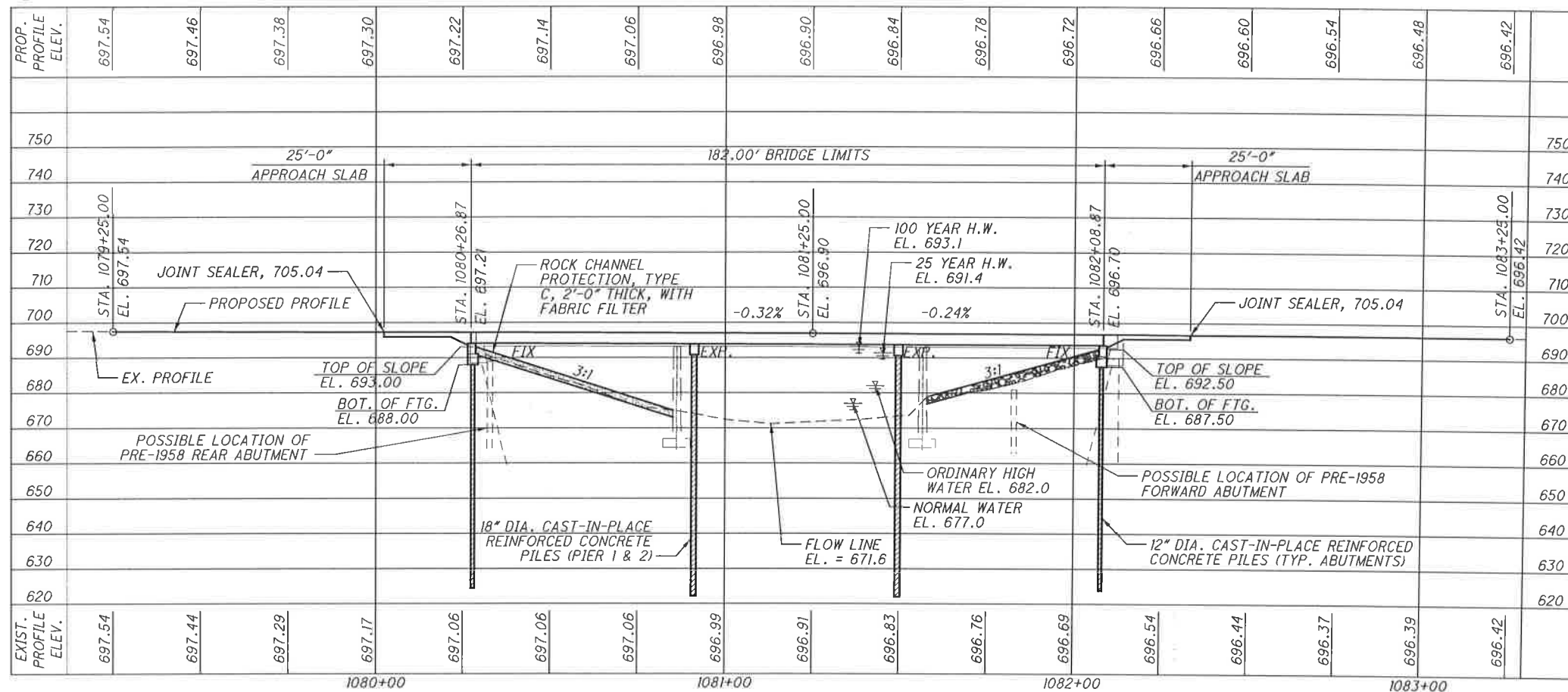




FIRST TOP MOUNTED POST LOCATIONS

- 1 STA. 1080+27.10, 20.7' LT.
- 2 STA. 1080+27.10, 20.7' RT.
- 3 STA. 1082+08.64, 20.7' LT.
- 4 STA. 1082+08.64, 20.7' RT.

PLAN



PROFILE ALONG C SURVEY & CONSTRUCTION U.S. 6

EXISTING STRUCTURE DATA

TYPE: THREE SPAN STEEL BEAMS ON CONCRETE WALL TYPE PIERS AND CONCRETE STUB TYPE ABUTMENTS
SPANS: 56'-0"±, 70'-0"±, 56'-0"± c/c BEARINGS
ROADWAY: 33'-8"± O/O DECK
LOADING: S-20-46
SKEW: NONE
WEARING SURFACE: ASPHALT CONCRETE
APPROACH SLABS: AS-3-47, AS-4-47
ALIGNMENT: TANGENT
DATE BUILT: 1958; RECONSTRUCTED IN 1998
STRUCTURE FILE NUMBER: 8600635

LEGEND

- SOIL BORING LOCATION
- PLUS FIT-UP

TRAFFIC DATA

CURRENT ADT (2016) = 3509
DESIGN YEAR ADT (2036) = 3860
CURRENT ADTT (2016) = 807
DESIGN YEAR ADTT (2036) = 888

NOTES

EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.
SEE SHEETS 46-49/93 FOR MORE INFORMATION.
ESTIMATED PILE LENGTHS AT REAR ABUTMENT = 60 FEET
ESTIMATED PILE LENGTHS AT PIERS = 65 FEET
ESTIMATED PILE LENGTHS AT FORWARD ABUTMENT = 60 FEET

HYDRAULIC DATA

DRAINAGE AREA = 471.0 SQ. MI.				
FLOOD FREQUENCY (YEARS)	DISCHARGE (CFS)	PROPOSED STRUCTURE		
		TOTAL WATERWAY AREA (SQ. FT.)	VELOCITY (FT./SEC.)	HEADWATER (ELEV.)
25	10300	5.0	691.4	2163
100	12400	5.4	693.1	2472

THE LOWEST ELEVATION OF THE 100 YEAR DISCHARGE WATER SURFACE ELEVATION IS 0.9 FEET LOWER THAN THE BOTTOM OF THE SUPERSTRUCTURE AND THE 25 YEAR DESIGN WATER SURFACE ELEVATION IS 2.6 FEET LOWER THAN THE BOTTOM OF THE SUPERSTRUCTURE.

BENCHMARK DATA

BM #1 STA. 1070+70.43 OFFSET 47.58' RT. ELEV. 697.959
MAG NAIL SET, END R/W FENCE POST
BM #2 STA. 1080+27.18 OFFSET 21.83' LT. ELEV. 695.618
CUT "□" NW CORNER NW WINGWALL

PROPOSED STRUCTURE DATA

TYPE: THREE SPAN CONCRETE PRESTRESSED COMPOSITE BOX BEAM SUPERSTRUCTURE ON CONCRETE CAPPED PILE PIERS AND CONCRETE STUB ABUTMENTS
SPANS: 62'-0", 57'-0", 57'-0" c/c BEARINGS
ROADWAY: 40'-0" F/F RAILING
LOADING: HL-93 & FWS = 60 PSF
SKEW: NONE
WEARING SURFACE: MONOLITHIC CONCRETE
APPROACH SLABS: AS-1-15 (25' LONG)
ALIGNMENT: TANGENT
CROWN: 0.016
BRIDGE COORDINATES: 41°-26'-30.825" LAT., 84°-24'-53.68" LONG.

DESIGN AGENCY
DGL Consulting Engineers, LLC
3455 Briarfield Blvd. Suite E
Mouree, Ohio 43537 (419) 535-1015

DATE
4-26-2017
REVIEWED
SAM
STRUCTURE FILE NUMBER
8600635

DRAWN
NBL
CHECKED
REVIS

DESIGNED
NBL
CHECKED
AUT

WILLIAMS COUNTY
STA. 1080+26.87
STA. 1082+08.87

SITE PLAN
BRIDGE NO. WIL-6-2046
U.S. 6 OVER TIFFIN RIVER

WIL-6-2046/21.73
PID No. 95997

1/19

54
93