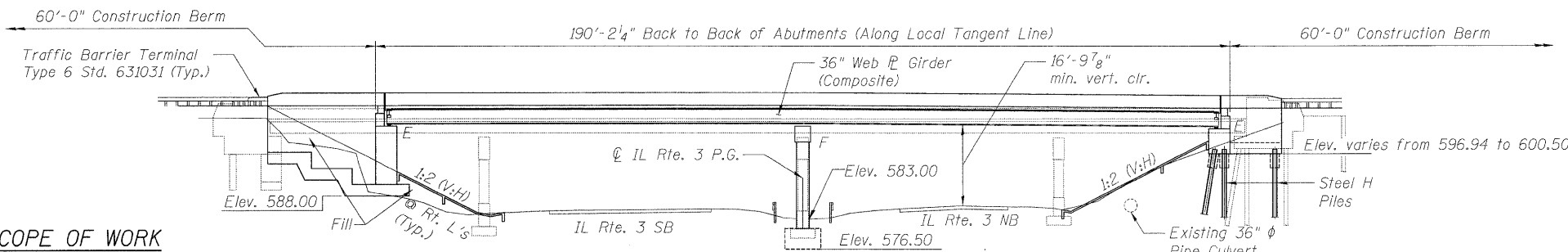
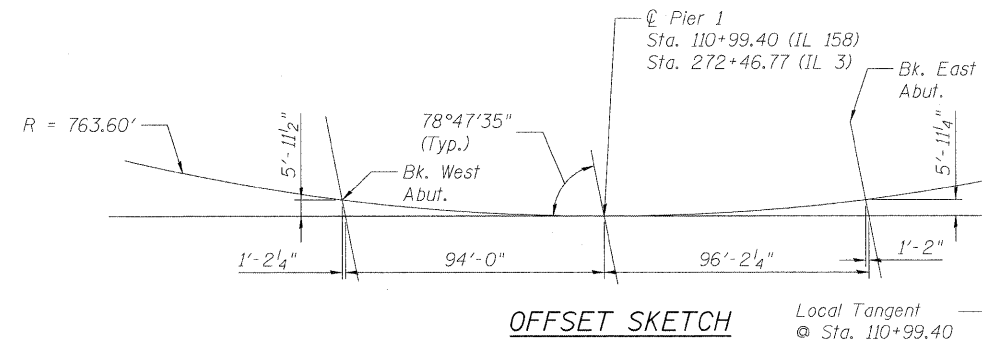


Bench Marks: Cut "□" on light pole foundation (Pole # 20) at west side of IL 158, +/- 295' north of north end IL 158 brg (S.N. 067-0006) over IL 3. Elev. 598.754

Existing Structure: S.N. 067-0006 was built in 1965 as section 67-1HBR IL 158 over IL 3 Sta. 111+00.25. The existing structure is 50'-0" Out to Out of Deck with 6'-0" raised median and 220'-10 1/2" back to back of Abutments along centerline. It has 4-spans with 30WF124 Steel beams with Abutments supported on Spread Footings and Steel Piles and Piers on Spread Footings. The Steel beams were repaired for damage due to impact in 1988, 1995, 1999 & 2004. Existing bridge to be removed and replaced. Traffic to be maintained utilizing staged construction plans. See Sheet 2 for Salvage Details

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

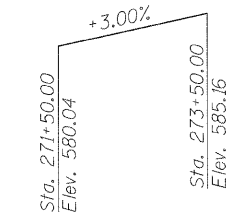
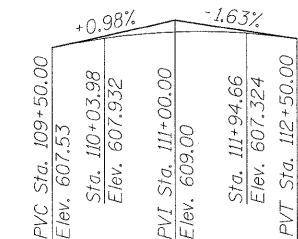


SCOPE OF WORK

1. Remove existing bridge in stages and provide shoring as needed.
2. Maintain traffic in all stages of construction.
3. Replace with new bridge.

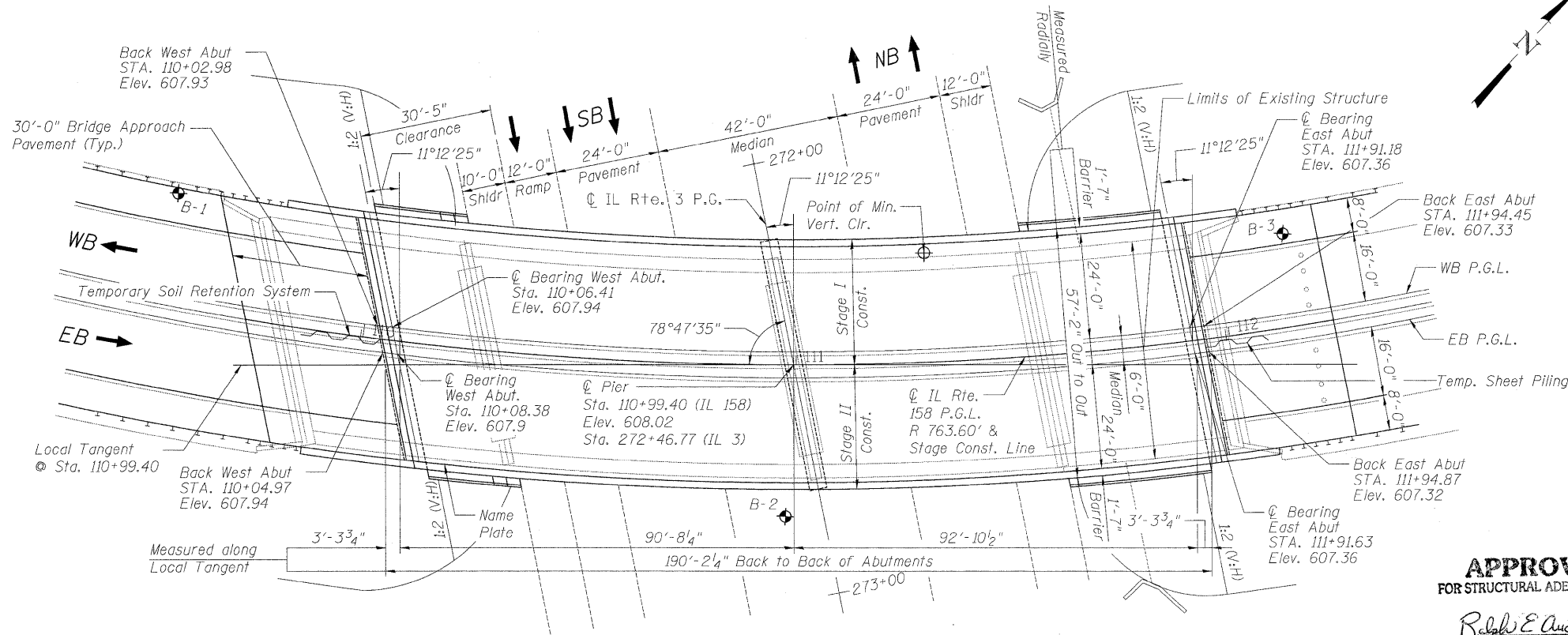
ELEVATION

Notes:
1. Field verify the existing bridge location and existing rock cut.
2. No Deck drains are required as there is sufficient spread.



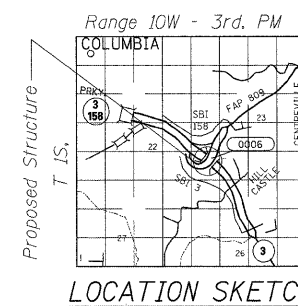
LVC = 300'
PROFILE GRADE
(along IL Route 158, WB & EB)

PROFILE GRADE
(along IL Route 3 NB)



PLAN

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Robert E. Anderson (SE)
ENGINEER OF BRIDGES AND STRUCTURES



Expires 11/30/10

GENERAL PLAN AND ELEVATION
IL. RTE. 158 OVER IL. RTE. 3
F.A.P.809 - SEC. 67-1HBR
MONROE COUNTY
STATION 110+99.40
STRUCTURE NO. 067-0042

LOADING HL93

Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

Superstructure and E. Abut.: AASHTO LRFD Bridge Design Specifications Fourth Edition, 2007 with 2008 Interim Revisions except as noted
Pier and W. Abut.: AASHTO Standard Specifications For Highway Bridges, 2002 with all subsequent Interims

DESIGN STRESSES

FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (reinforcement)
 $f_y = 50,000$ psi (M270 Grade 50 Structural Steel)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Acceleration Coefficient (A) = 0.12g
Site Coefficient (S) = 1.0

PROPOSED CURVE DATA

PI Sta. = 111+08.40
 $\Delta = 63^\circ 00' 04''$ (LT)
 $D = 7^\circ 30' 12''$
 $R = 763.60'$
 $T = 467.95'$
 $L = 839.64'$
 $E = 131.98'$
 $S.E. = 0.0811'$
P.C. Sta. = 106+40.46
P.T. Sta. = 114+80.10

DESIGNED - JPM
CHECKED - CCS
DRAWN - GAP
CHECKED - JPM, CCS



9-28-09

Rev. 2-19-10

SHEET NO. 1 34 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	809	67-1HBR	Monroe	144	65
CONTRACT NO. 76977					
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					