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

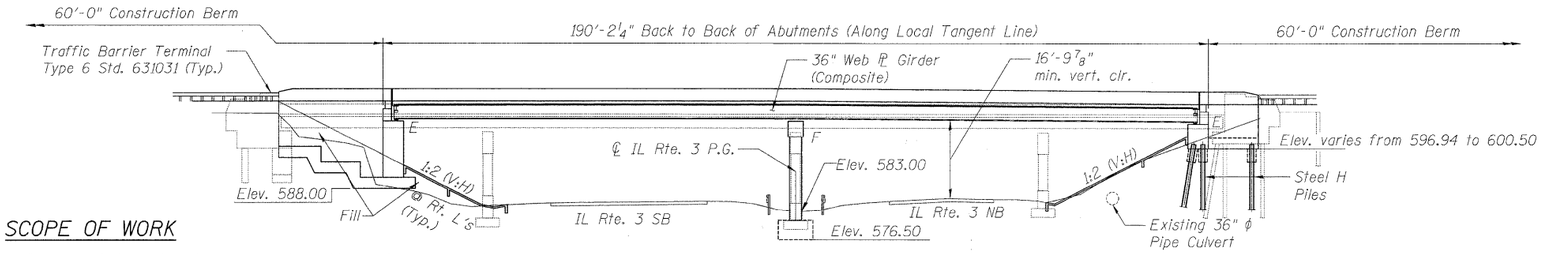
Existing Structure: S.N. 067-0006 was built in 1965 as section 67-1HBR IL 158 over IL 3 Sta. 111+00.25. The existing structure is 50'-0" Out to Out of Deck with 6'-0" raised median and 220'-10 1/2" back to back of Abutments along centerline. It has 4-spans with 30WF124 Steel beams with Abutments supported 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 △2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

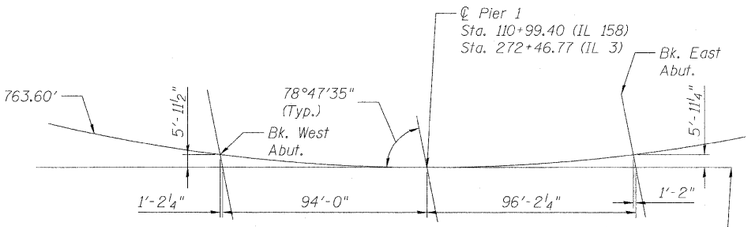


ELEVATION

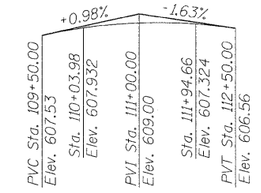
SCOPE OF WORK

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

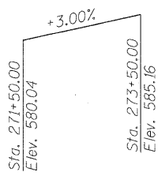
Notes:
1. Field verify the existing bridge location and existing rock cut.
2. No Deck drains are required as there is sufficient spread.



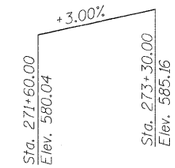
OFFSET SKETCH



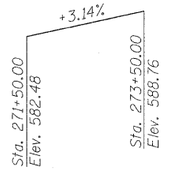
PROFILE GRADE
(along ℄ IL Route 158, WB & EB)



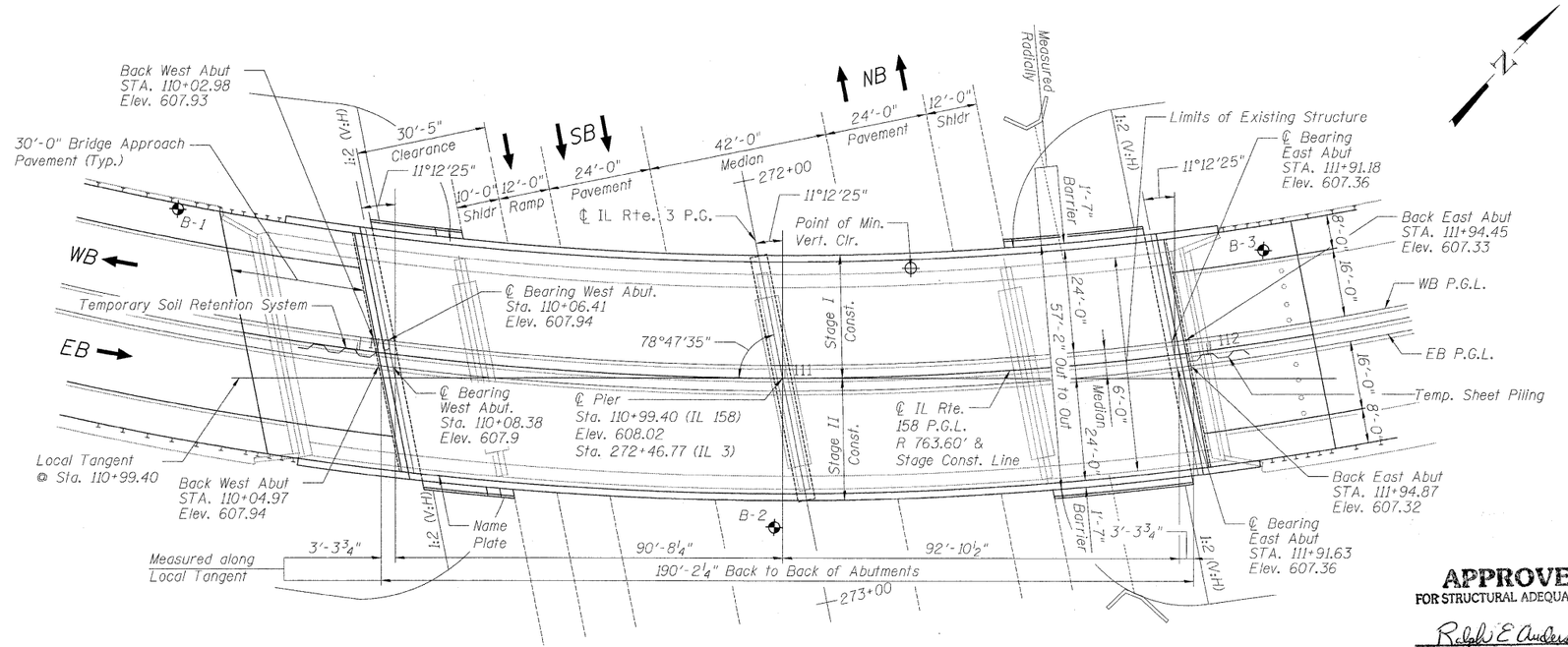
PROFILE GRADE
(along IL Route 3 NB)



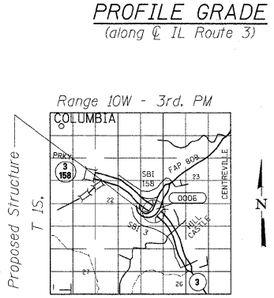
PROFILE GRADE
(along ℄ IL Route 3)



PROFILE GRADE
(along IL Route 3 SB)



PLAN



LOCATION SKETCH

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Ralph E Anderson (ltd)
ENGINEER OF BRIDGES AND STRUCTURES

ROBERT A. LEE
081-005246
CHICAGO, IL
STRUCTURAL ENGINEER
Expires 11/30/10

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
Δ = 63°00'04" (LT)
D = 7°30'12"
R = 763.60'
T = 467.95'
L = 839.64'
E = 131.98'
S.E. = 0.08'/'
P.C. Sta. = 106+40.46
P.T. Sta. = 114+80.10

△2 Rev. 2-19-10

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

DESIGNED - JPM	SHEET NO. 1	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
CHECKED - CCS		809	67-1HBR	Monroe	144 / 65
DRAWN - GAP	34 SHEETS			CONTRACT NO. 76977	
CHECKED - JPM, CCS		FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	

MACTEC

9-28-09