

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

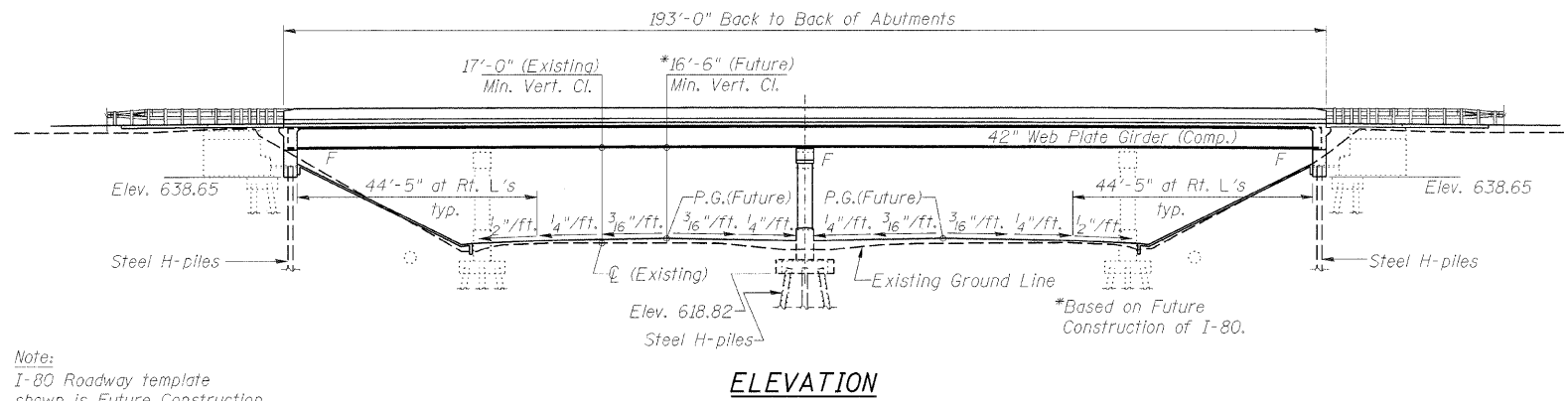
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 1
F.A.U. Rte. 6120	*	LaSALLE	492	269	22 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

*50-3HBK CONTRACT NO. 66542

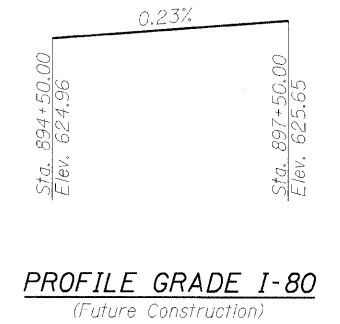
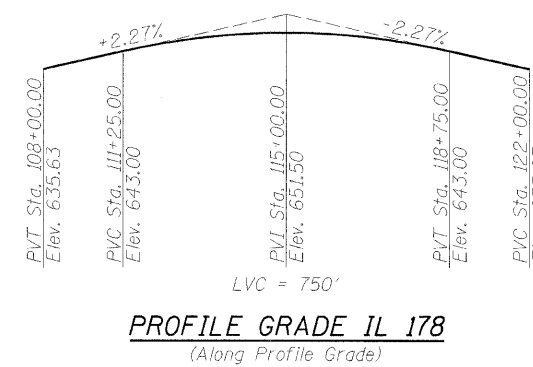
Bench Mark: Chisled □ on Pier Crashwall, Sta. 895+86, 1.6' Rt. Elev. 895.86.

Existing Structure: S.N. 050-0084 built as F.A.I. Route 80, Sec. 50-24B-5 in 1961. Four simple span precast, prestressed concrete I-beams on open abutments and multi-column piers. 204'-7" back to back of abutments, 60'-0" out to out. Existing structure to be removed and replaced utilizing stage construction.

No Salvage.



Note:
I-80 Roadway template shown is Future Construction.



LOADING HS20-44
Allow 50#/sq. ft. for future wearing surface.

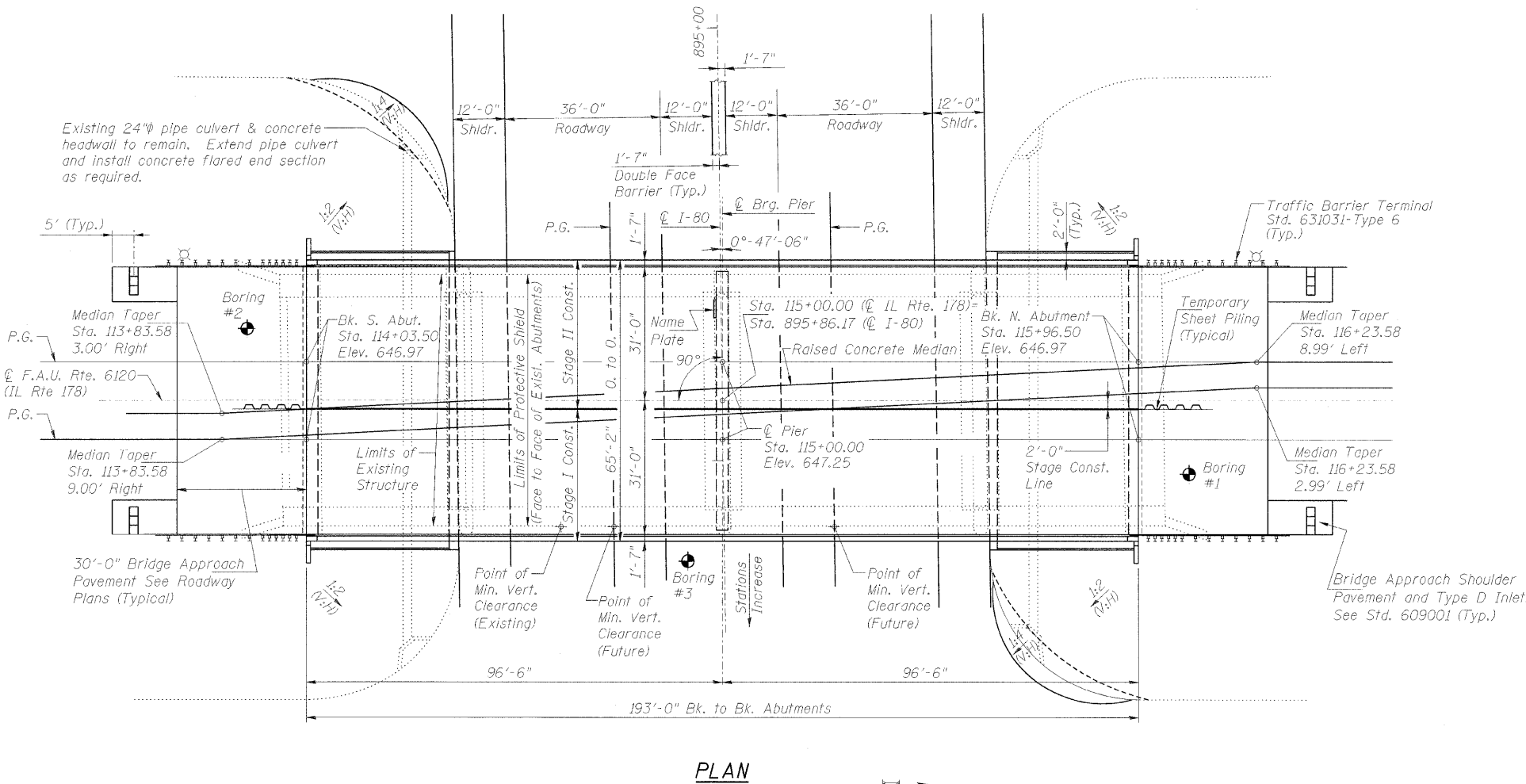
DESIGN SPECIFICATIONS
2002 AASHTO 17th Ed.

DESIGN STRESSES

FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 36,000$ psi (M270 Gr. 36 structural steel; Secondary Members)
 $f_y = 50,000$ psi (M270 Gr. 50 structural steel; Primary Members)
 $f_y = 60,000$ psi (reinforcement)

SEISMIC DATA

Seismic Performance Category (SPC) = A
 Bedrock Acceleration Coefficient (A) = 0.038 g
 Site Coefficient (S) = 1.0

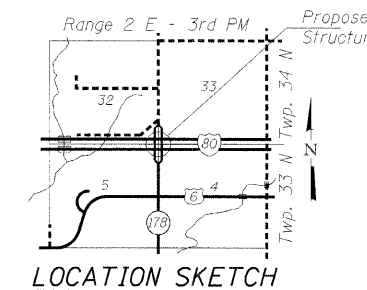


APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Relph E. Anderson (TDP)
ENGINEER OF BRIDGES AND STRUCTURES



Michael N. Mendenhall
SIGNATURE
12/23/09
DATE
LIC. EXP. DATE: 11/30/10



GENERAL PLAN
UTICA ROAD (IL. RTE. 178) over F.A.I. ROUTE 80
SECTION 50-3HBK
LaSALLE COUNTY
STATION 115+00.00
STRUCTURE NO. 050-0248

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JOB NO.
05S2015
DATE
10/12/09

12.23.2009
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LAYOUT	MMF	11/16/05
DRAWN	Rof	1/15/07
REVIEWED	JJT	1/15/07