

Bench Mark: Square cut in N.W. wingwall of 028-0046, Elevation 442.486
 Square cut in the center of west edge of east pier base under S.N. 028-0046, Elevation 422.576.

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET	SHEET NO. 1
FAP 869	(10IVB) B-1	FRANKLIN	48	30	18 SHEETS

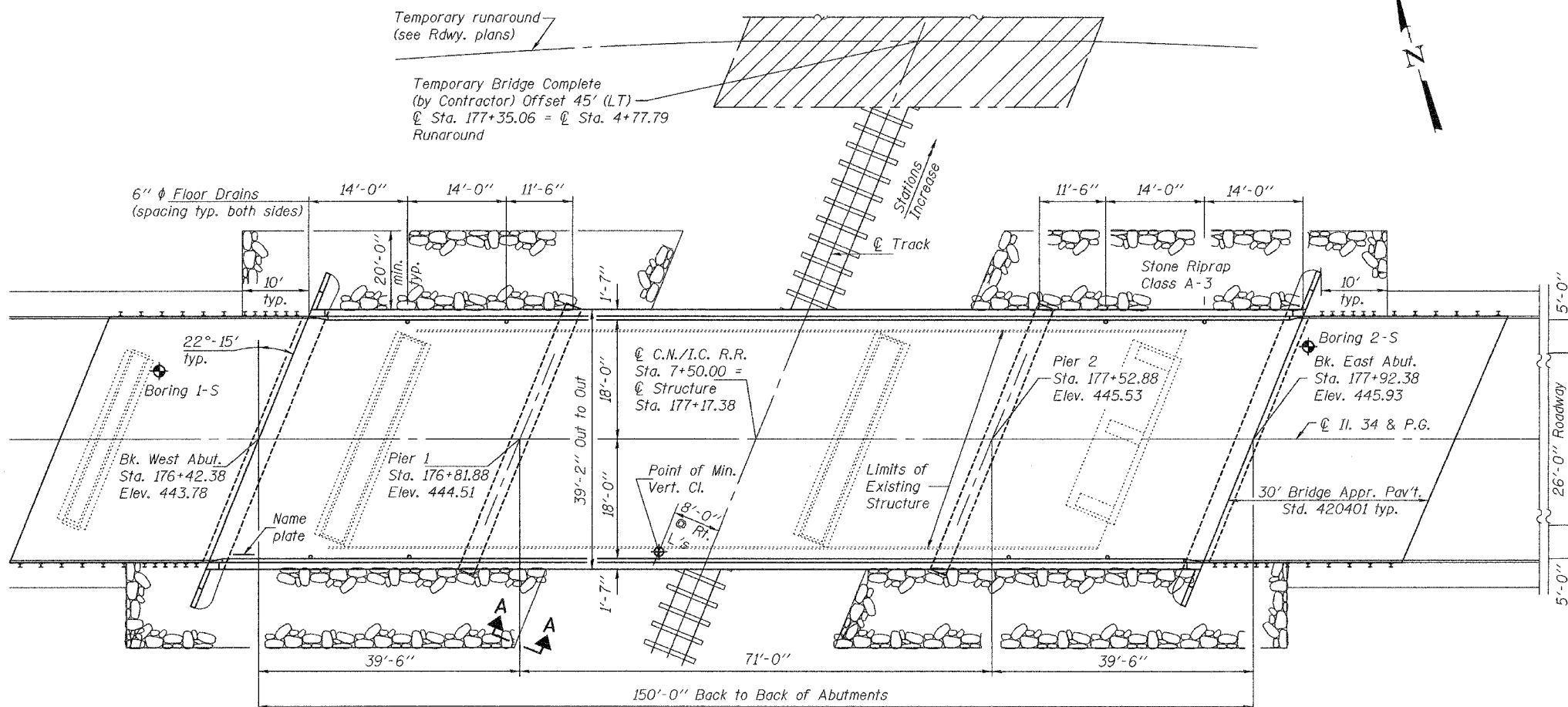
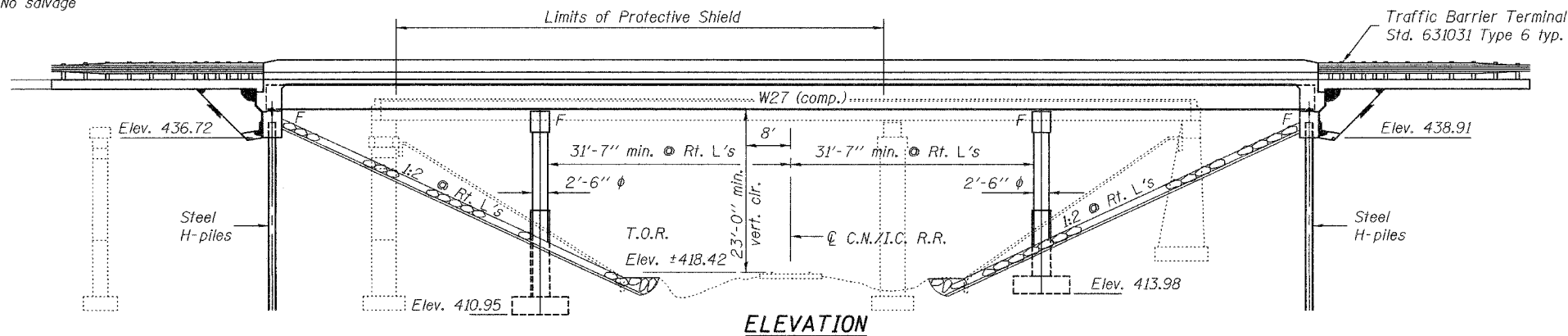
Contract No. 98821

Existing Structure: S.N. 028-0046 Built in 1934 as S.B.I. Rt. 143, Sec. 101-VB NRS at Sta. 176+73.87 as a 4 span steel plate girder structure 196'-8" Bk.-Bk. abutments supported on spread footing. Superstructure replacement and widening with PPC deck beam in 1972 - new bridge length = 117'-11 5/8" Bk.-Bk. abutments. Existing bridge to be removed and replaced. Traffic to be maintained utilizing temporary runaround.

No salvage

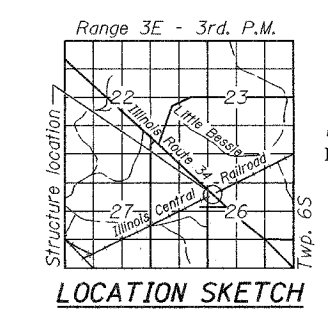
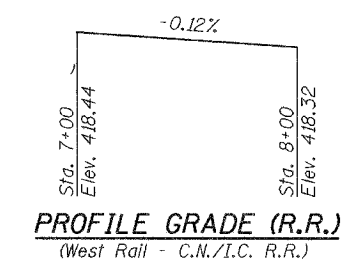
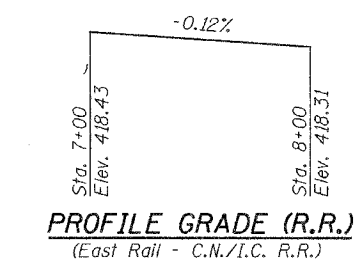
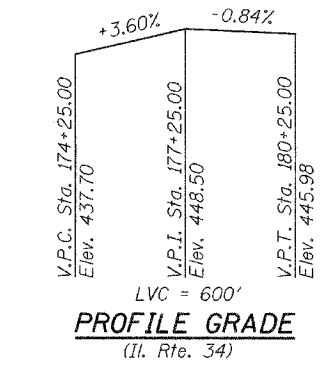
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STATION 177+17.38
 BUILT 20 BY
 STATE OF ILLINOIS
 F.A.P. RTE. 869 SEC. (10IVB)B-1
 LOADING HL-93
 STRUCTURE NO. 028-0077

NAME PLATE
 See Std. 515001



GENERAL PLAN & ELEVATION
 ILLINOIS ROUTE 34 OVER
 C.N./I.C. RAILROAD
 F.A.P. RTE. 869 - SEC. (10IVB)B-1
 FRANKLIN COUNTY
 STATION 177+17.38
 STRUCTURE NO. 028-0077

DESIGNED	Danny H. Culltan
CHECKED	Roy Abonchi
DRAWN	h.t. duong
CHECKED	DHC/KRA

November 30, 2007

EXAMINED *[Signature]*
 ENGINEER OF BRIDGE DESIGN

PASSED *[Signature]*
 ENGINEER OF BRIDGES AND STRUCTURES



Notes: See sheet 2 of 18 for Section A-A.

LOADING HL-93
 Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS
 2004 LRFD AASHTO w/2005 & 2006 Interims

DESIGN STRESSES

FIELD UNITS

f_c = 3,500 psi
 f_y = 60,000 psi (reinforcement)
 f_y = 50,000 psi (structural steel M270 Gr. 50W)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 2
 Bedrock Acceleration Coefficient (A) = .12g
 Site Coefficient (S) = 1.0