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.

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'-11⅝" Bk.-Bk. abutments. Existing bridge to be removed and replaced. Traffic to be maintained utilizing temporary runaround.

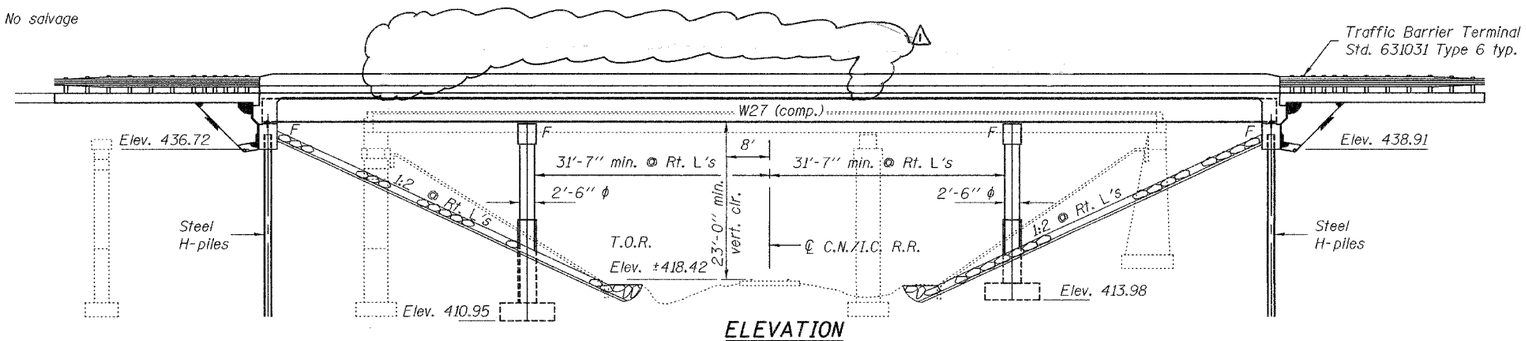
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 869	(101VB) B-1	FRANKLIN	48	30
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

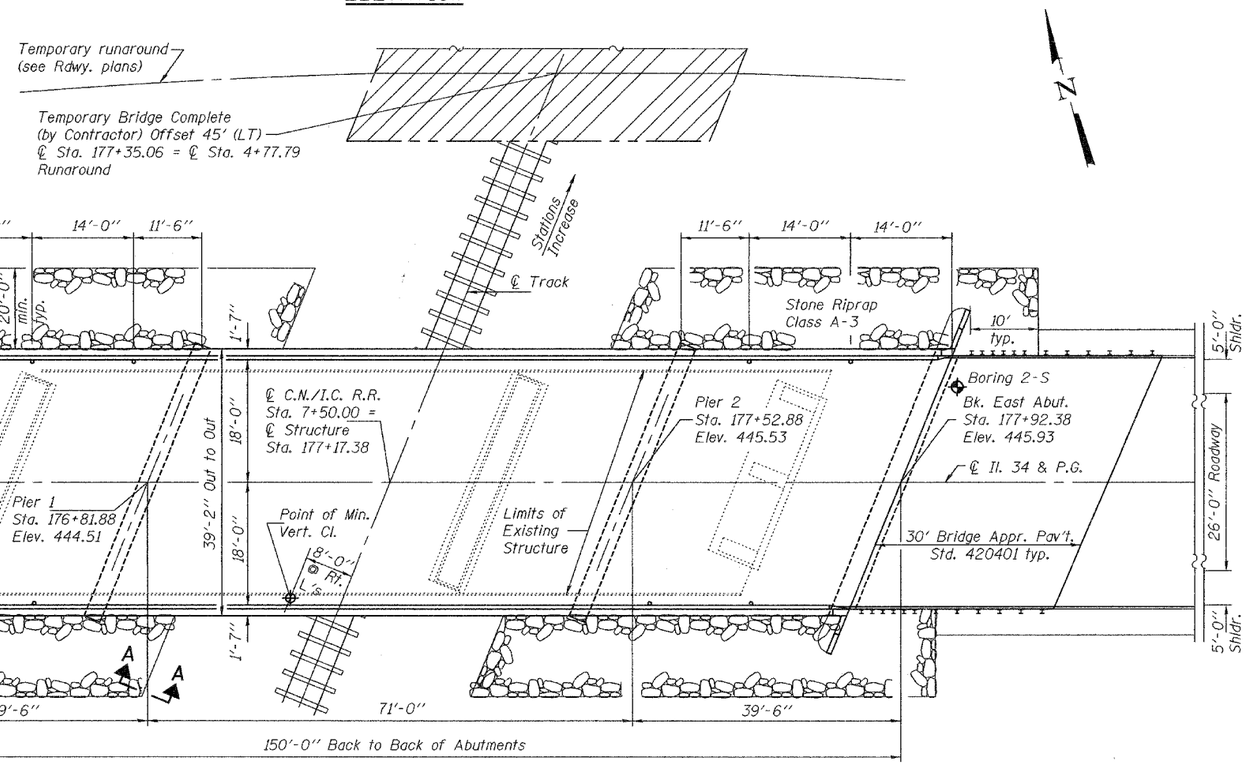
SHEET NO. 1
18 SHEETS

Contract No. 98821

No salvage



ELEVATION



PLAN

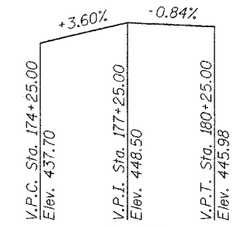
Notes: See sheet 2 of 18 for Section A-A.

INDEX OF SHEETS

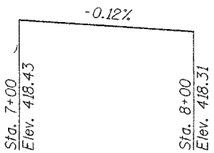
1	General Plan & Elevation
2	General Data
3-5	Top of Slab Elevations
6	Top of West Approach Pavement Elevations
7	Top of East Approach Pavement Elevations
8	Superstructure
9	Superstructure Details
10	Diaphragm Details
11	Structural Steel
12	Bearing Details
13	West Abutment
14	East Abutment
15	Pier 1
16	Pier 2
17	Bar Splicer Assembly Details
18	Steel H Pile Details

STATION 177+17.38
BUILT 20 BY
STATE OF ILLINOIS
F.A.P. RTE. 869 SEC. (101VB)B-1
LOADING HL-93
STRUCTURE NO. 028-0077

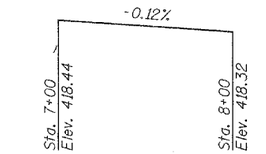
NAME PLATE
See Std. 515001



PROFILE GRADE
(Il. Rte. 34)



PROFILE GRADE (R.R.)
(East Rail - C.N./I.C. R.R.)



PROFILE GRADE (R.R.)
(West Rail - C.N./I.C. R.R.)

DESIGNED	Danny W. Coulter
CHECKED	Ray Abanchi
DRAWN	h.t. duong
CHECKED	DHC/GRA

November 30, 2007
EXAMINED — ENGINEER OF BRIDGE DESIGN
PASSED — ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS · RALPH E. ANDERSON · 081-004625 · SPRINGFIELD · LICENSED STRUCTURAL ENGINEER

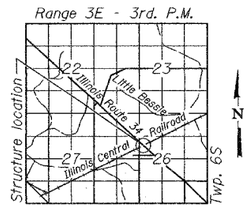
EXPIRES 11-30-2008

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



LOCATION SKETCH

GENERAL PLAN & ELEVATION
ILLINOIS ROUTE 34 OVER C.N./I.C. RAILROAD
F.A.P. RTE. 869 - SEC. (101VB)B-1
FRANKLIN COUNTY
STATION 177+17.38
STRUCTURE NO. 028-0077

Rev. 12-31-07

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