Benchmark: Chiseled "□" on top of E. End of South Headwall of Box Culvert 60'± W. of Intersection of TR 850 N. and TR 350 E. El. = 670.33

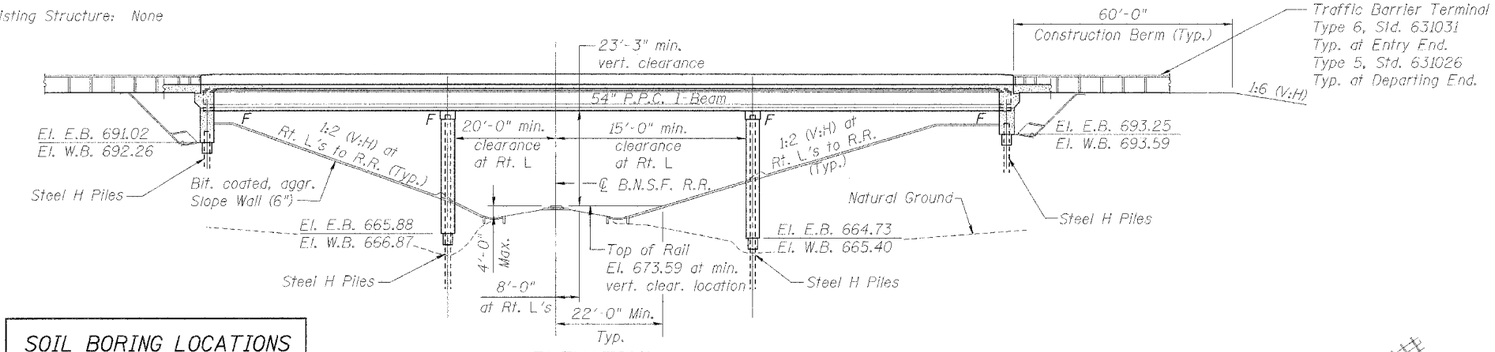
Existing Structure: None

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 315	55-2	McDONOUGH	1025	457
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 1
22 SHEETS

Contract No. 68205

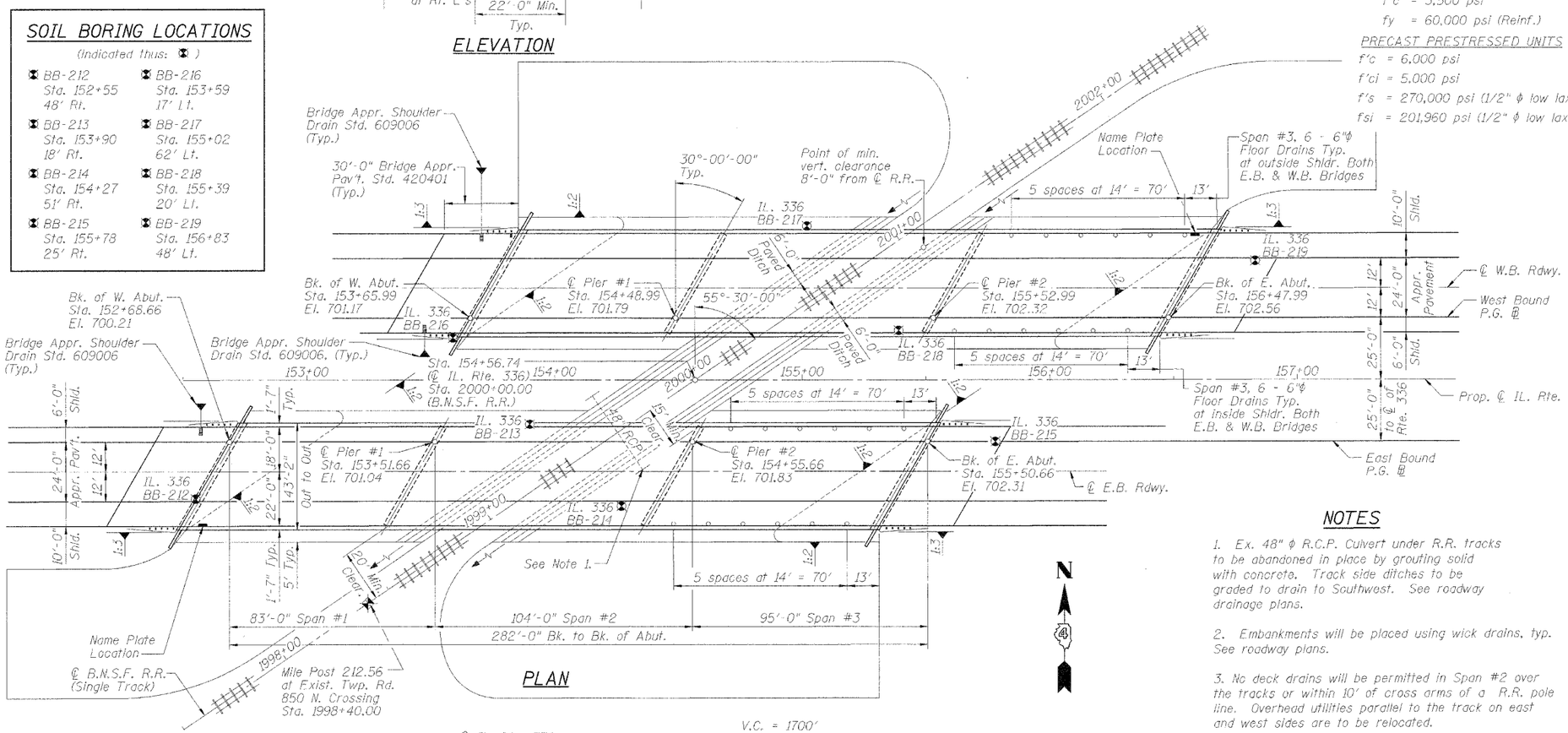


ELEVATION

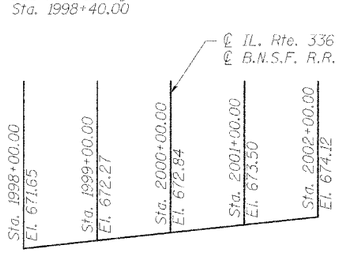
SOIL BORING LOCATIONS

(indicated thus: ⧓)

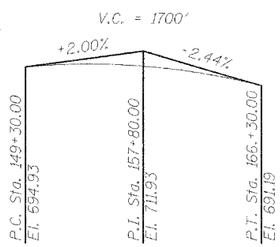
- ⧓ BB-212 Sta. 152+55 48' Rt.
- ⧓ BB-213 Sta. 153+90 18' Rt.
- ⧓ BB-214 Sta. 154+27 51' Rt.
- ⧓ BB-215 Sta. 155+78 25' Rt.
- ⧓ BB-216 Sta. 153+59 17' Lt.
- ⧓ BB-217 Sta. 155+02 62' Lt.
- ⧓ BB-218 Sta. 155+39 20' Lt.
- ⧓ BB-219 Sta. 156+83 48' Lt.



PLAN



TOP OF RAIL ELEVATIONS B.N.S.F. R.R.



PROFILE GRADE

DESIGNED	PJL
CHECKED	LLV
DRAWN	MGM
CHECKED	PJL

DESIGN SPECIFICATIONS

2002 AASHTO

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 4.07% g
Site Coefficient (S) = 1.0

LOADING HS20-44

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

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinf.)

PRECAST PRESTRESSED UNITS

f'c = 6,000 psi
f'ci = 5,000 psi
f's = 270,000 psi (1/2" ϕ low lax strands)
fsi = 201,960 psi (1/2" ϕ low lax. strands)

INDEX OF SHEETS

Sheet	
1	General Plan & Elevation
2	Total Bill of Material, Slope Protection Details, & Substructure Layout
3-4	East Bound Deck Elevations
5-6	West Bound Deck Elevations
7-8	Deck Details
9	Bridge Parapet Details
10	Framing Plan and Span #1 Girder Details
11	Span #2 Girder Details
12	Span #3 Girder Details
13-14	Abutment Details
15	Pier Details (EB)
16	Pier Details (WB)
17	Bar Splicer Assembly Details
18-22	Boring Logs

STATION 154+56.74
BUILT 20-- BY
STATE OF ILLINOIS
F.A.P. RTE. 315 SEC. 55-2
LOADING HS20
STR. NO. 055-XXXX

NAME PLATE

See Std. 515001

XXXX = 0052 (EB)
XXXX = 0053 (WB)

NOTES

1. Ex. 48" ϕ R.C.P. Culvert under R.R. tracks to be abandoned in place by grouting solid with concrete. Track side ditches to be graded to drain to Southwest. See roadway drainage plans.

2. Embankments will be placed using wick drains, typ. See roadway plans.

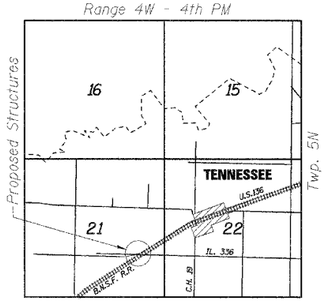
3. No deck drains will be permitted in Span #2 over the tracks or within 10' of cross arms of a R.R. pole line. Overhead utilities parallel to the track on east and west sides are to be relocated.

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS · PHILIP J. LANE · 4084 · PEORIA, IL · LICENSED STRUCTURAL ENGINEER

Philip J. Lane — 3/30/06
Illinois Licensed Structural Engineer No. 4084 — Date
Lic. Expires: 11/30/06

Range 4W - 4th PM



LOCATION SKETCH

GENERAL PLAN & ELEVATION
IL. ROUTE 336 OVER
BURLINGTON NORTHERN
SANTA FE RAILROAD
F.A.P. ROUTE 315 SECT. 55-2
McDONOUGH COUNTY
STATION 154+56.74
STRUCTURE NO. 055-0052 (EB)
STRUCTURE NO. 055-0053 (WB)

STS CONSULTANTS
111 NE Jefferson Ave.
Peoria, Illinois 61602
Ph:(309)676-8464
FAX(309)676-5445
IL Design Firm Reg. No. 184-001518

S101-055-0052_03.tgn 3/30/2006 2:44:01 PM