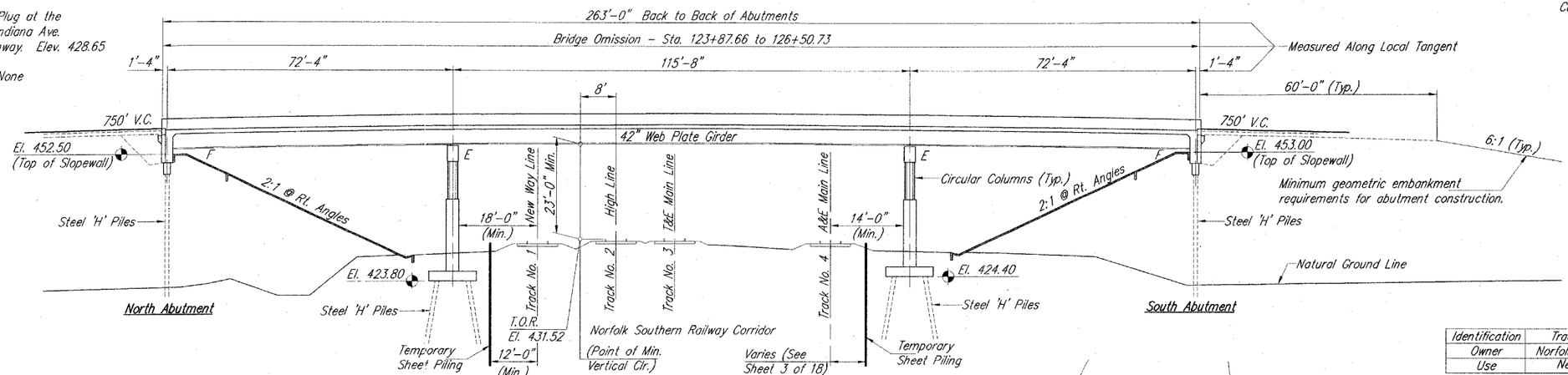
Contract No. 97255

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U.8966	SEC. 97-00208-01-GS	MADISON	34	11
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

Sheet 1 of 18

B.M.: Top of Brass Plug at the Centerline of Indiana Ave. and Berm Highway. Elev. 428.65

Existing Structure: None



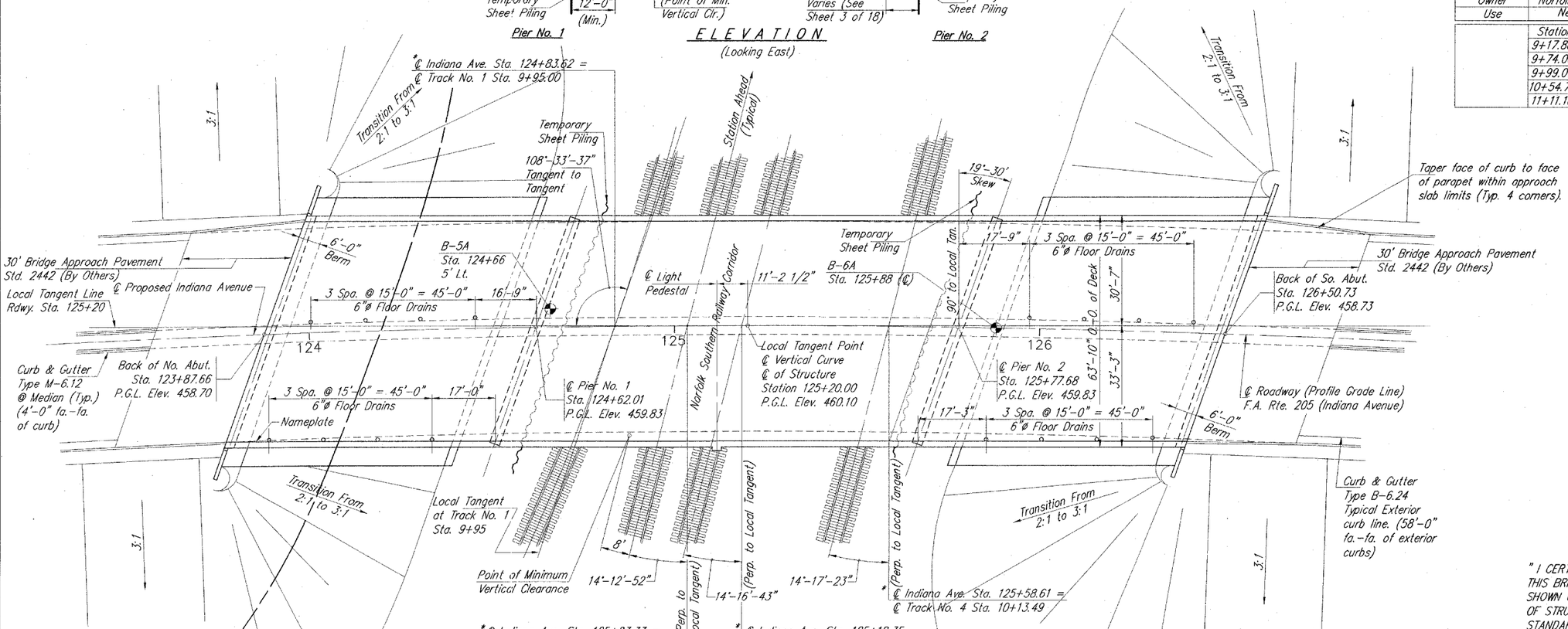
ELEVATION
(Looking East)

INDIANA AVE. CURVE DATA

P.I. = 127+60.32
Δ = 21°-32'-17"
D = 1°-30'-00"
T = 726.51'
R = 3819.72'
L = 1435.87'
E = 68.48'
P.C. = 120+33.81
P.T. = 134+69.68
S.E. = .015625'/ft.

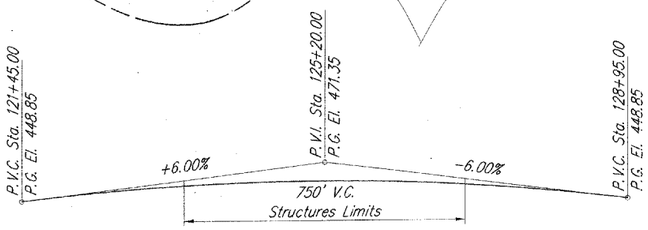
TRACK IDENTIFICATION & PROFILES

Identification	Track No. 1		Track No. 2		Track No. 3		Track No. 4	
Owner	Norfolk Southern		Norfolk Southern		Norfolk Southern		Norfolk Southern	
Use	New Way		High Line		T. & E. Main		A. & E. Main	
	Station	Elevation	Station	Elevation	Station	Elevation	Station	Elevation
	9+17.88	429.52	9+44.78	431.54	8+72.27	431.58	9+26.26	430.42
	9+74.00	429.88	10+00.86	431.51	9+27.80	431.54	9+76.21	430.48
	9+99.07	430.02	10+18.40	431.55	10+02.11	431.59	10+34.38	430.61
	10+54.78	430.20	10+78.81	431.61	10+55.80	431.62	10+93.73	430.77
	11+11.18	430.53	12+54.80	432.07	11+10.84	431.71	11+49.47	430.91



PLAN

*Station equations are at ℄ intersections.



ROADWAY PROFILE
(Looking East)

STATION 125+20.00
BUILT 200_ BY
CITY OF ALTON
SEC. 97-00208-01-GS
NORFOLK SOUTHERN
LOADING HS20
STR. NO. 060-6110

LETTERING FOR NAMEPLATE

Locate Nameplate on inside face of Northwest end of parapet.

SEISMIC DATA

S.P.C. A
A = 0.09
S = 1.2

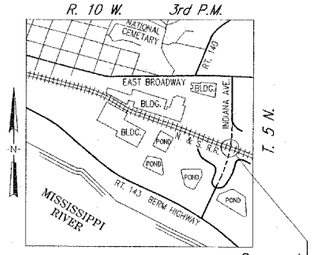
DESIGN STRESSES

Concrete: Load Factor Design
f'c = 3,500 p.s.i.
fy = 60,000 p.s.i. (Reinf.)

Structural Steel: Load Factor Design
fy = 36,000 p.s.i. (M270 - Gr.36) (Webs)
fy = 50,000 p.s.i. (M270 - Gr.50) (Flanges)
Loading: AASHTO HS20-44

Allowance for 25 p.s.f. Future Wearing Surface.

2002 AASHTO Specifications with 2003 Interim Specifications.



LOCATION PLAN

THOMAS E. HAVENAR
081-004723
LICENSED STRUCTURAL ENGINEER OF
MOUNT VERNON, ILLINOIS

DATE SIGNED : 5/12/05
LICS. EXP. DATE : 11/30/06

"I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THIS BRIDGE DESIGN IS STRUCTURALLY ADEQUATE FOR THE DESIGN LOADING SHOWN ON THE PLANS. THE DESIGN IS AN ECONOMICAL ONE FOR THE STYLE OF STRUCTURE AND COMPLIES WITH REQUIREMENTS OF THE CURRENT 'AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES.'"

Corporate License Number 184-001-084

GENERAL PLAN & ELEVATION
INDIANA AVENUE over NORFOLK SOUTHERN RAILWAY
SEC. 97-00208-01-GS
STATION 125+20.00
ALTON, ILLINOIS
STR. NO. 060-6110

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HANSON
Hanson Professional Services Inc.

Job No. 95S10081

DATE 05/12/05

LAYOUT	T.E.H.	3/31/05
DRAWN	R.D.D.	3/31/05
REVIEWED	T.E.H.	3/31/05

J:\95JOBS\95S10081\PROJECT 05-12-05\01-GPE.DWG MAY 12, 2005 8:49AM DAB