F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	00-00094-03-BR	COOK	69	43
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
Sheet SB-1 of SB-22		CONTRACT 83850		

Bench Mark:
Brass plate in front steps on east side of
Village Hall, 510 Green Bay Road. Elev. 657.79

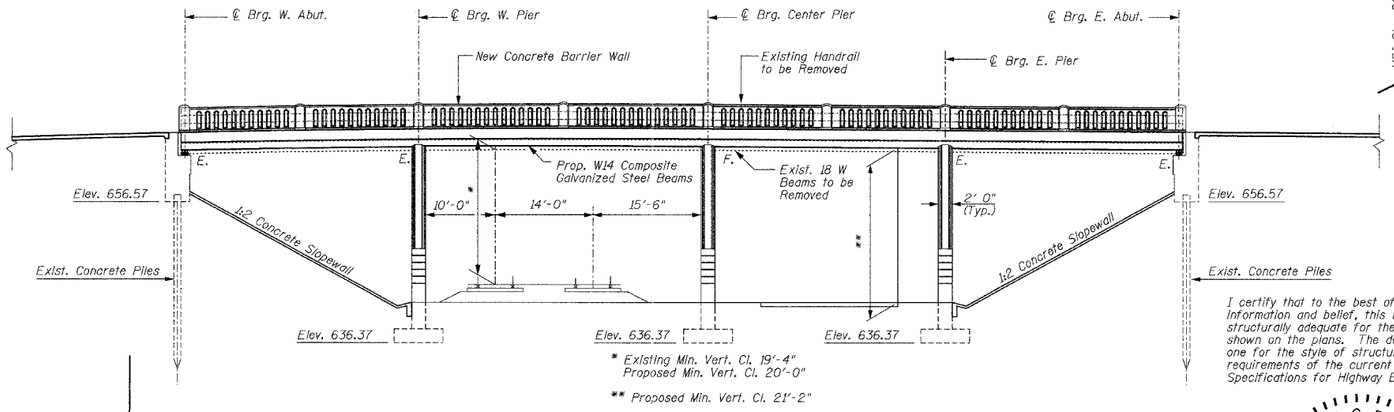
Existing Structure: SN 016-8260. Built in 1940. The superstructure is R.C. Deck 147'-10" long bk. to bk. of Abutments by 28'-0" wide supported on four-span rolled beams. No skew.
The substructure is R.C. Multi-column piers on spread footings and pile supported R.C. abutments. The superstructure will be removed and replaced. Traffic will be detoured during construction.

No salvage.

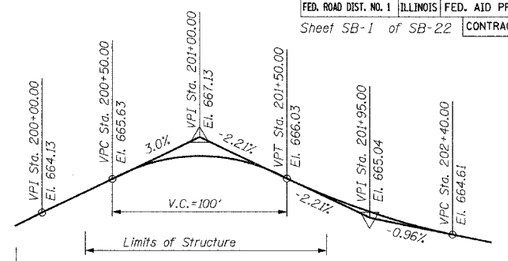
Note:
No deck drains will be permitted in the spans over tracks or within 10' feet of cross arms of a railroad pole line. Storm water collected on the bridge will be deposited into Village storm drains East and West of the bridge as shown in Sheet No. 12.

TABLE 1 - TRACK ELEVATION:

Point No.	Elevation	Location
1	643.95	N.B. - N
2	644.03	N.B. - S
3	644.11	S.B. - N
4	644.03	S.B. - S



ELEVATION



PROFILE GRADE LINE ELDORADO STREET

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges

LOADING HS20-44

Allow 50 p.s.f. for future wearing surface.

DESIGN STRESSES

fs = 18,000 p.s.i. (Existing)
fc = 1,050 p.s.i. (Existing)

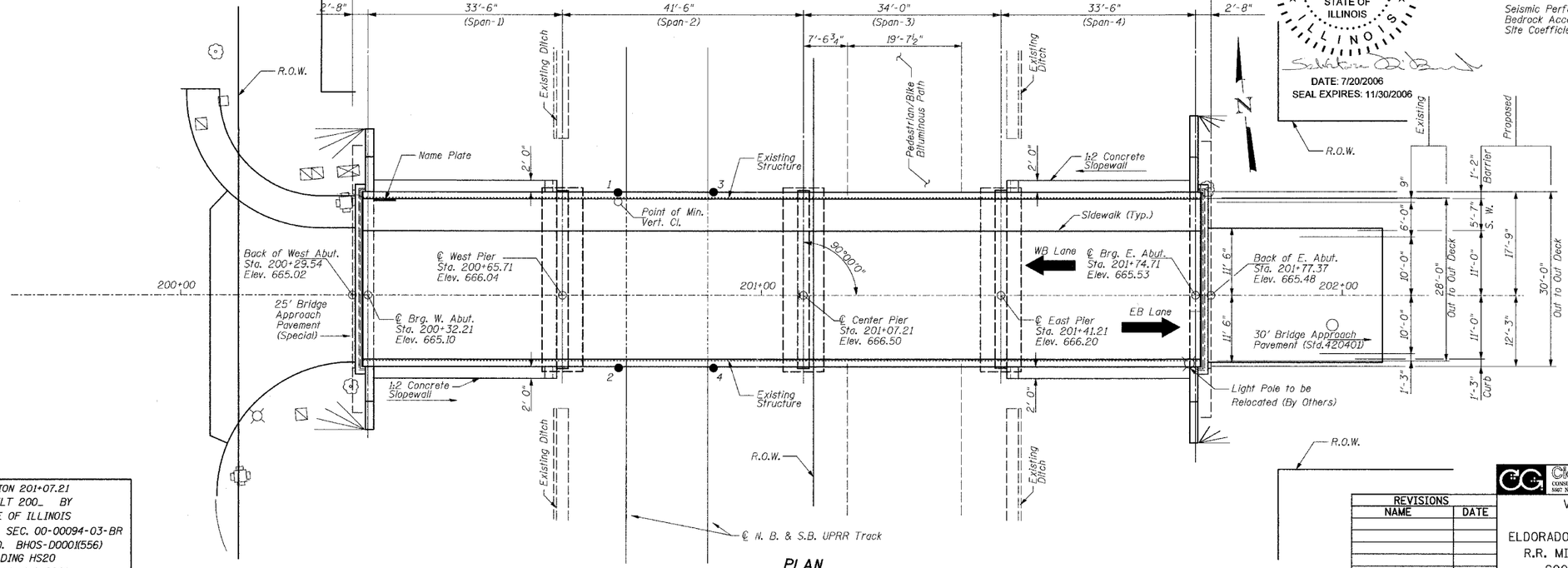
f'c = 3,500 p.s.i. (Proposed)
fy = 60,000 p.s.i. (Proposed Reinforcing Steel)
Fy = 50,000 p.s.i. (Proposed Structural Steel-M270 Grade 50)

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.035 g
Site Coefficient (S) = 1.0

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".

SALVATORE C. DI BERNARDO
081-005930
LICENSED STRUCTURAL ENGINEER
STATE OF ILLINOIS
ILLINOIS
DATE: 7/20/2006
SEAL EXPIRES: 11/30/2006

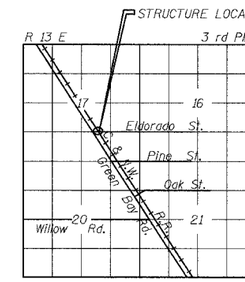


PLAN

STATION 201+07.21
BUILT 200_ BY
STATE OF ILLINOIS
F.A.U RT. SEC. 00-00094-03-BR
F.A.U PROJ. NO. BHOS-D0001(556)
LOADING HS20
STR. NO. 016-8260

NAME PLATE

See Std. 515001



LOCATION SKETCH

REVISIONS	
NAME	DATE

Clorba Group, Inc.
CONSULTING ENGINEERS
5867 NORTH CUMBERLAND AVENUE :: CHICAGO, ILLINOIS 60656 :: (773) 775-4000

VILLAGE OF WINNETKA, ILLINOIS
GENERAL PLAN & ELEVATION
ELDORADO STREET OVER THE UNION PACIFIC R.R.
R.R. MILE POST 17.26 KENOSHA SUBDIVISION
COOK COUNTY STA. 201+07.21
STRUCTURE NO. 016-8260

SCALE: NONE
DATE: JUNE 2006
FILE: 3278
DRAWN BY: RCD
DESIGN BY: BWS
CHECKED BY: SCD

DATE: 7/20/2006
FILENAME: N:\PROJ\3278\Eldorado\Design\Structural_Eldorado_3278\CAD\Final_revised\3278-eldo-gpell01.dgn