0098-00096

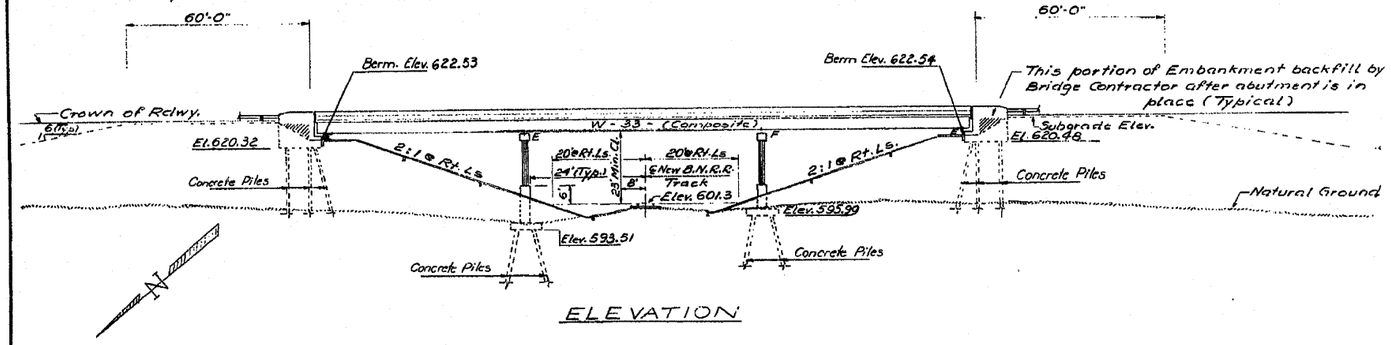
FOR INFORMATION ONLY

B.M.: Chis "O" on S. End E. Hubguard of CB ℄ Q RR Bridge 722+03 Elev. 624.695.
Existing Structure: № 098-0019 built as S.B.I. 80, Sec. 107 VB in 1933 @ Sta. 720+98.3
Concrete slab on steel Bms., Timber substructure (Five Span, 209'-10" Back to Back and 25'-0" Out to Out) to be removed by contractor at time of construction.

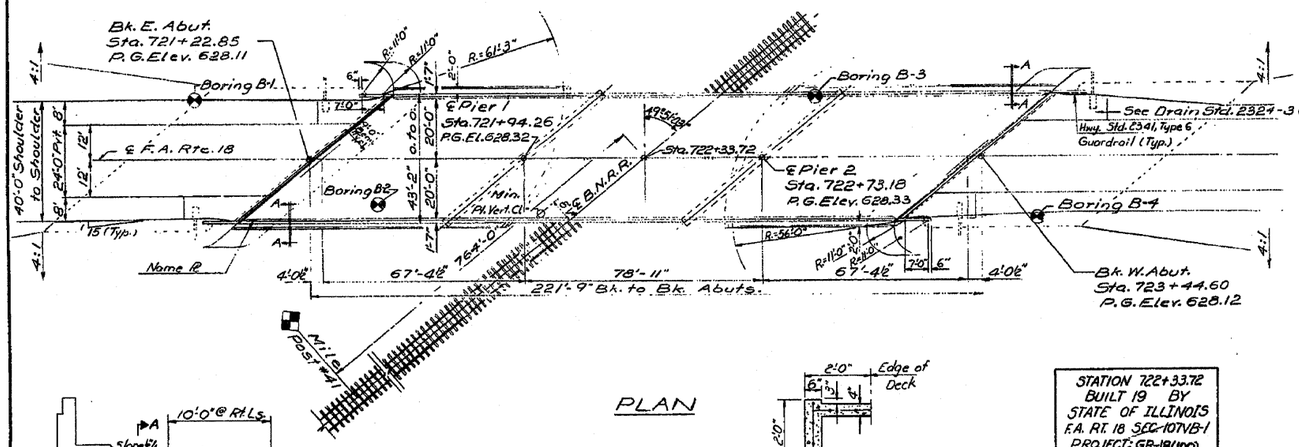
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 80 F.A. 18	107VB-1 107VB-4 107 B-1	WHITESIDE	61	36
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

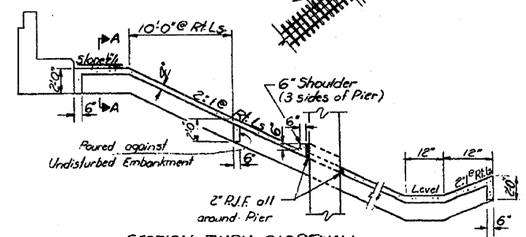
SHEET NO. 1
13 SHEETS



ELEVATION



PLAN



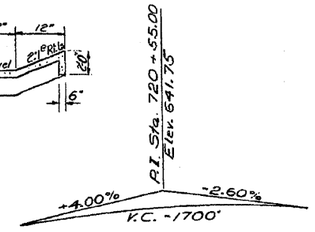
SECTION THRU SLOPEWALL

SEC. A-A

STATION 722+33.72
BUILT 19 BY
STATE OF ILLINOIS
F.A. RT. 18 SEC. 107VB-1
PROJECT: GR-18(100)
LOADING HS20
*STR. NO.

NAME PLATE
(See Std. 2113)

*Structure Number to be supplied by District.



PROP. PROFILE F.A. RTE. 18
(℄ Rdwy)

DESIGN STRESSES

f'c = 3,500 psi
fy = 60,000 psi (Reinf.)
fy = 50,000 psi (Struct. Steel M-223 Grade 50)

Loading HS20-44
Allow 25 #/sq. ft. for Future W.S.
Design Specifications: 1977 AASHTO and 1978 Interim Specifications.
Epoxy Coated Reinf. Bars shall be used in the top layer of the slab.

DESIGNED	Suresh Desai
CHECKED	DAN KRULL
DRAWN	R. Daly
CHECKED	D K

NOVEMBER 21 1978

EXAMINED
PASSED
APPROVED

GENERAL NOTES

Reinforcement bars shall conform to the requirements of AASHTO M31 or M53, Grade 60.

See Proposal for Boring Data.

Fasteners shall be high strength bolts. Bolts ⅞", open holes 15/16" unless otherwise noted.

Calculated weight of Structural Steel = 199,710 Pounds.

The basic lead silico chromate paint system shall be used for shop and field painting of Structural Steel.

Field welding of construction accessories will not be permitted to the bottom flange of beams nor to the top flange for a distance equal to one-fourth the span length each way from the pier supports. Field welding in other areas will be permitted only when approved by the Engineer.

Anchor bolts shall be set before bolting diaphragms over supports.

Slope wall shall be reinforced with welded wire fabric 6"x6" mesh, weighing 58 lbs. per 100 sq. ft.

Concrete piles at abutments shall be driven in holes precored through the embankment in accordance with Article 513.09(c) of the Standard Specifications.

The concrete rail section above the mandatory construction joint at the top of the slab shall be constructed of Class X Concrete, except the aggregates shall conform to the requirements of Handrail Concrete.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of ⅛". Adjustment shall be made either by grinding the surface or by shimming the bearing. Two ⅛" adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims.

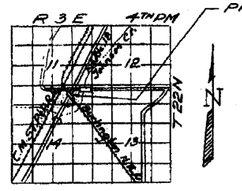
The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Notch Toughness Zone 2. These Components are the tension flanges, webs and all splice plate material of the wide flange beams.

The Contractor shall drive one concrete test pile each in a permanent location of Pier #1 and West Abutment as directed by the Engineer before ordering the remainder of piles.

The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Removal of Existing Structures 2	Each			1
Structure Excavation	Cu. Yd.		187	187
Protective Coat	Sq. Yd.	1140	18	1158
Class X Concrete	Cu. Yd.	274.7	329.4	604.1
Structural Steel	Lump Sum	1		1
Stud Shear Connectors	Each	3186		3186
Reinforcement Bars	Pound	29,860	29,460	59,320
Reinforcement Bars (Epoxy Coated)	Pound	44,270		44,270
Concrete Piles	Lin. Ft.		4344	4344
Test Piles Concrete	Each		2	2
Name Plates	Each	1		1
Slope Wall (4")	Sq. Yd.		885	885
Neoprene Expansion Joint (2")	Lin. Ft.	132		132



LOCATION SKETCH

GENERAL PLAN & ELEVATION

PROJECT: GR-18(100)
F.A. RTE. 18 OVER BURLINGTON NORTHERN R.R.
F.A. RTE. 18 SECTION 107 VB-1
WHITESIDE COUNTY
STA. 722+33.72

* FAS 1197 (West Lincolnway Road) & FAP 308 (IL 84)
**D2 Bridge-Painting 2009-3

FILE NAME = P:\PAINTING\64E93\PLANeng.dgn	USER NAME = linkdj	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	Existing Plans SN 098-0096
		DRAWN - ---	REVISED - ---		
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - ---	REVISED - ---		SCALE: ---- SHEET NO. -- OF --- SHEETS STA. ---- TO STA. ----
	PLOT DATE = Thu Jan 29 10:28:45 2009	DATE - ----	REVISED - ---		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	Whiteside	15	12
		CONTRACT NO. 64E93		
		ILLINOIS FED. AID PROJECT		