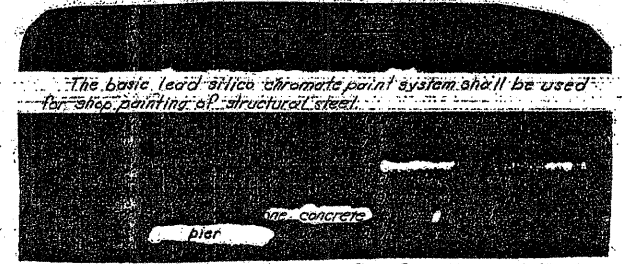
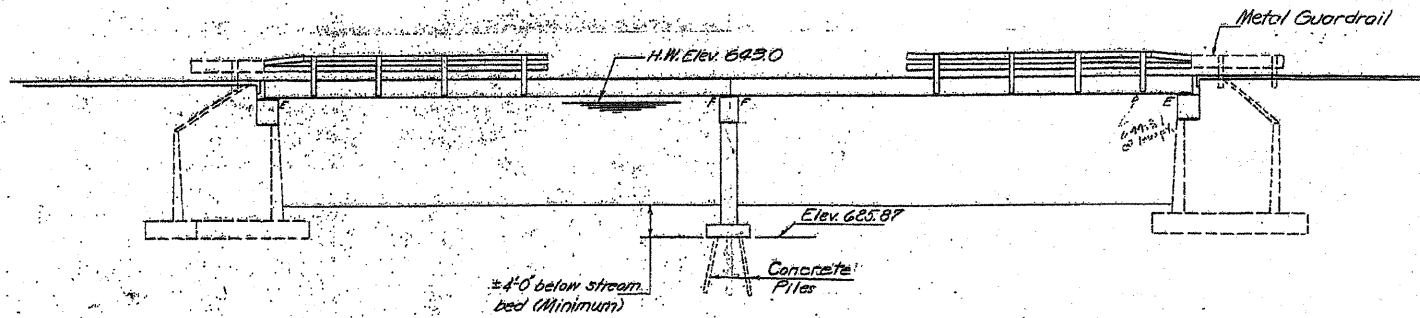


STATE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH. 7	MFD	WHITESIDE	9	3
7 SHEETS				

B.M. NW Abut. Wing Elev. 646.95  
 Existing Structure Built Dec. 1917  
 Sta. 224+00 in 19 Superstr. is Steel Truss  
 Substr. is R.C. Closed Abuts. Contr. shall remove existing superstr. at time of construction.  
 No Salvage.

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

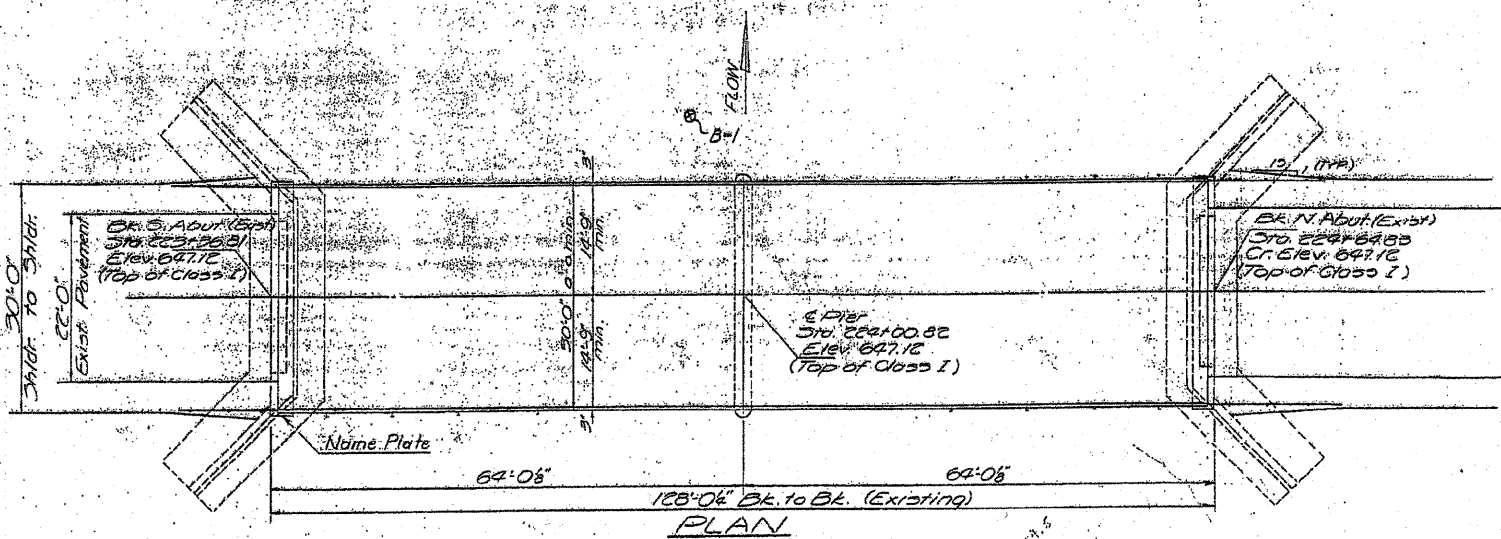


The basic lead silico chromate paint system shall be used for shop painting of structural steel.

Expansion Bolts shall consist of self-drilling expansion anchors and 3/4" x 1/2" hooked bolts.  
 The top surface of the beams shall be finished in accordance with Article 505.06 of the Standard Specifications except that the surface shall not be roughened by brooming. The finished surface shall be free of depressions or high spots with sharp corners.

An alternate strand pattern using Extra High Strength Prestressing strand (270 KSI) is permitted.

STATION 224+00.82  
 ROCK CREEK  
 REBUILT 197 BY  
 WHITESIDE COUNTY  
 SEC. (KB-MFT) BR.  
 LOADING H520  
 NAME PLATE  
 See Std. 2113



TOTAL BILL OF MATERIALS

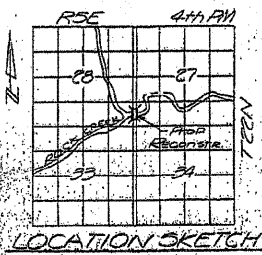
Item	Unit	Super	Sub	Total
Precast Prestressed Conc. (H. Bms. @ 17")	Sq. Ft.	3755		3755
Class I Concrete	Cu. Yds.	14	66.3	80.3
Reinforcement Bars	Lbs.	155	5220	5375
Steel Railings - Type N	Lin. Ft.	250		250
Paint Rem. & P.C. (Rec. - Type C-10)	Sq. Yds.	10		10
Concrete Removal	Cu. Yds.	0	0	0
Name Plates	Each		1	1
Preformed Joint Sealer - 2 1/2"	Lin. Ft.	60		60
Removal of Existing Superstructure	Each		1	1
Structural Steel	Lbs.	4210		4210
Structure Excavation	Cu. Yds.		55	55
Concrete Piles	Lin. Ft.		611	611
Test Piles Concrete	Each		1	1
Bit. Conc. Surf. Cse. Cl. I	Tons	68		68
Waterproofing Membrane Sys.	Sq. Yds.	418		418
Exp. Bolts (3/4" x 1/2")	Each		68	68
P.C. Mortar Furring Course	Lin. Ft.	1125		1125

DESIGN STRESSES  
 FIELD UNITS  
 Fc = 1400 psi (Sub)  
 Fc = 20000 psi (Reinf.)  
 n = 10

WATERWAY INFORMATION  
 Drainage Area: 66,000 Acres  
 Character:  
 Present Opening: 1573 Sq. Ft.  
 Reqd. Opening: 1573 Sq. Ft.  
 Proposed Opening: 1573 Sq. Ft.  
 Q<sub>100</sub> = 5400 cfs.

PRECAST PRESTRESSED UNITS  
 Fc = 3000 psi  
 Fc = 4000 psi  
 Fc = 248,000 psi (1/8" strands)  
 Fc = 173,600 psi (1/4" strands)

DESIGNED: Sel. Jafari  
 CHECKED: M. Abouel  
 DRAWN: F. G. P. H.  
 CHECKED: [Signature]  
 EXAMINED: [Signature]  
 PASSED: [Signature]  
 APPROVED: [Signature]



GENERAL PLAN and ELEVATION  
 CH. 7 over ROCK CREEK  
 CH. R.I.E. 7 SEC. (KB-MFT) BR.  
 WHITESIDE COUNTY  
 STATION 224+00.82

LOADING H520-44

Allow 25 lbs/Sq. Ft. for future M.S.