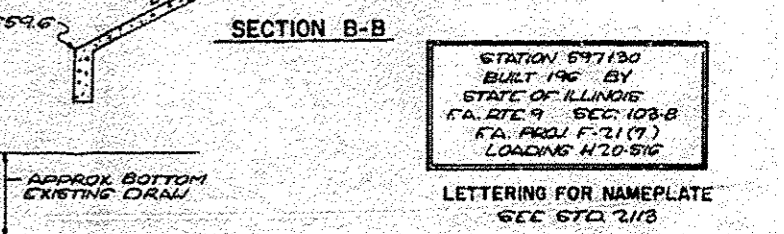


GENERAL NOTES
 CLASS X CONCRETE SHALL BE USED THROUGHOUT EXCEPT CLASS A CONCRETE SHALL BE USED IN FACES. COARSE AGGREGATE WHICH IS TO BE USED IN END POSTS SHALL BE ABSOLUTELY FREE OF CHERT, FLINT, LIMONITE, LIGHT & SOFT SANDS. THE CONCRETE FLOOR SLAB SHALL BE FINISHED IN ACCORDANCE WITH ART. 519 OF THE STANDARD SPECIFICATIONS AND SHALL BE POURED IN ONE CONTINUOUS OPERATION ON EITHER SIDE OF THE LONGITUDINAL CONSTRUCTION JOINTS. ALL ROCKERS, BOLSTERS, BEARING PLATES, FINITE AND ANCHOR BOLTS SHALL BE FABRICATED AND SET IN ACCORDANCE WITH ARTICLE 515 OF THE STANDARD SPECIFICATIONS AND ARE INCLUDED IN THE QUANTITY OF STRUCTURAL STEEL EST. WT. 6500. ANCHOR BOLTS SHALL BE SET BEFORE RIVETING DIAPHRAGMS OVER PIERS AND ABUTMENTS. ALL RIVETS 3/4" AND OPEN HOLES 1 1/2" EXCEPT AS NOTED. ALL LF BEAM SPLICES SHALL BE SUBPUNCHED, REAMED AND MATCH-MARKED. SUBPUNCH 1/4" AND REAM TO PROPER SIZE. ALL LF BEAMS SHALL BE SHOP ASSEMBLED TO THEIR F TOPER GRADE AND ALIGNMENT WITH OR WITHOUT DIAPHRAGMS, INSPECTED AND REAMED WHILE SO ASSEMBLED. WELDING SHALL CONFORM TO ARTICLE 505 (C) OF THE STANDARD SPECIFICATIONS. EXCEPT AS OTHERWISE PROVIDED, ALL STRUCTURAL STEEL SHALL RECEIVE ONE SHOP COAT OF RED LEAD PAINT AND TWO FIELD COATS OF ALUMINUM PAINT. ALL PAINT SHALL BE FURNISHED AND APPLIED BY THE CONTRACTOR. STRUCTURAL STEEL SHALL BE INSPECTED BY THE ILLINOIS DIVISION OF HIGHWAYS BEFORE PAINTING. THE CONTRACTOR SHALL DRILL TEST PILES IN PERMANENT LOCATIONS AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER, BEFORE ORDERING THE REMAINDER OF THE PILING.

TOTAL BILL OF MATERIAL

ITEM	UNITS	SUPER	SUB	TOTAL
CLASS X CONCRETE	CYDS	170.5	89.6	260.1
FURNISHING & ERECTING STRUCTURAL STEEL	LBS	167,620		167,620
REINFORCEMENT BARS	LBS	33,770	16,610	50,380
FURNISHING & ERECTING METAL HANDRAIL	LN. FT.	355		355
CHANNEL EXCAVATION	CYDS		5680	5680
CLASS A CONCRETE	CYDS		2772	2772
FURNISHING CROCODATED PILES (20.1 TO 38.0)	LN. FT.		385	385
DRIVING TIMBER PILES	LN. FT.		385	385
FURNISHING STEEL PILES 8 BP 36	LN. FT.		1992	1992
DRIVING STEEL PILES	LN. FT.		1992	1992
TEST PILE (STEEL 8 BP 36)	EA.		0	0
NAME PLATES	EA.		1	1
SLOPE WALL 6"	SQ. YD.		745	745
CLASS A EXCAVATION FOR STRUCTURES	CYDS		800	800
CLASS B EXCAVATION FOR STRUCTURES	CYDS		327	327
PROTECTIVE COAT	SQ. YD.		745	745

DESIGNED: S. SCHOLL, T.D.G.
 CHECKED: J. DUNLAP, S.S.
 DRAWN: R. RHOADS & F.H.



STATION 597130
 BUILT 196 BY
 STATE OF ILLINOIS
 F.A. RTE. 9 SEC. 103-B
 F.A. PROJ. F-21(7)
 LOADING H 20-S16

LETTERING FOR NAMEPLATE
 SEC 670 213

GENERAL PLAN & ELEVATION
 SEC. 103-B F.A. ROUTE 9
 PROJECT F-21(7)
 OVER CEDAR CREEK
 WARREN CO., ILLINOIS
 STA. 597 + 30

DESIGN STRESSES
 15,000 PSI STRUCT. (ANGLES)
 15,000 PSI REINFC.
 15,000 PSI WITH EARTH PRESS.
 n = 10

LOADING H 20-S16 40 WITH 18'0" DEAD LOAD FOR FUTURE SURFACING

FOR INFORMATION ONLY

WATERWAY INFORMATION
 DRAINAGE AREA: 39,800 ACRES
 CHARACTER: ROLLING, CULT
 EXISTING OPENING: 750 SQ. FT. (880' UPSTREAM)
 OPENING REQ'D. (85 YR. FLOOD): 1270 SQ. FT.
 PROPOSED EFFECTIVE OPENING: 1275 SQ. FT.