

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. / TOTAL SHEETS
FA. 403	195-2	WHITESIDE	480	172	10 SHEETS
FED ROAD DIST NO 7 ILLINOIS I.A.P.R.O.I.					

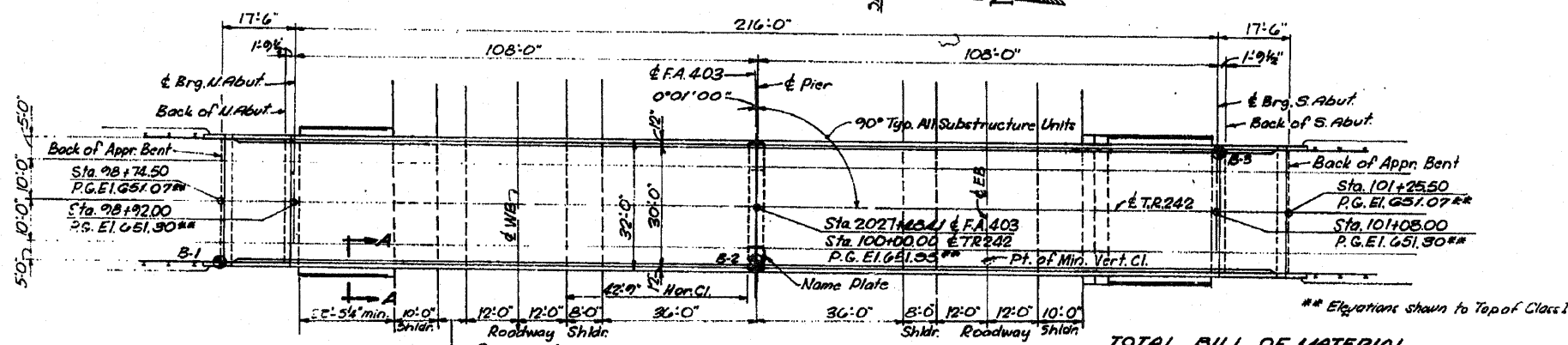
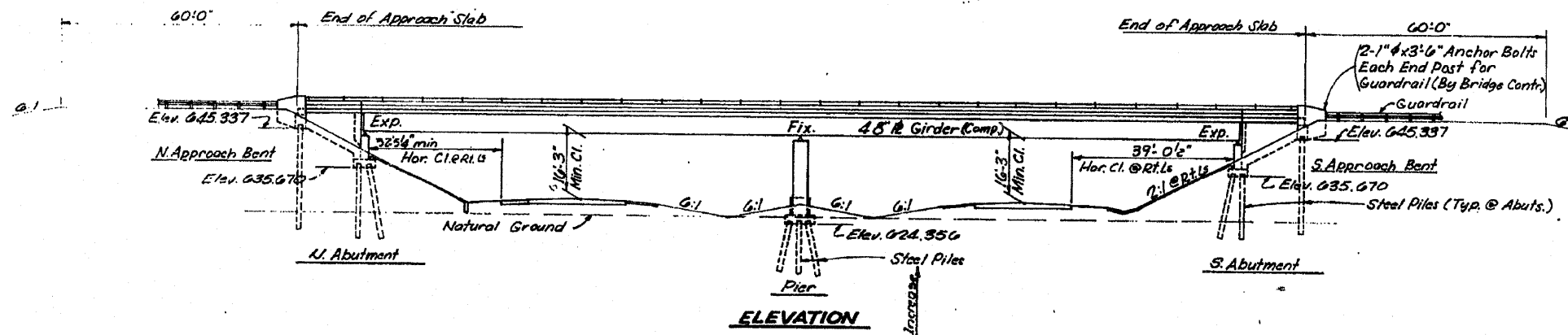
GENERAL NOTES

All reinforcement bars shall be lapped 24 diameters unless otherwise shown.
 Fasteners shall be high strength bolts. Bolts $\frac{3}{8}$ " open holes $\frac{1}{2}$ " unless otherwise shown.
 Calculated Weight of Structural Steel 217,746 lbs.
 The basic lead silico chromate paint system shall be used for the and field painting of Structural Steel.
 Field weld of construction accessories will not be permitted to the bottom flange of girders 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 3" diameter, weighing 50# per 100 sq. ft.
 The Contractor shall drive one steel test pile in a permanent location at each abutment as directed by the Engineer before ordering the remainder of piles.
 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 Standard Concrete. Protective Coat shall not be applied to surfaces to which Class X Interlayer Protective Coat is applied.
 The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.
 Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\pm \frac{1}{8}$ inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two 1" adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims.

DESIGN STRESSES

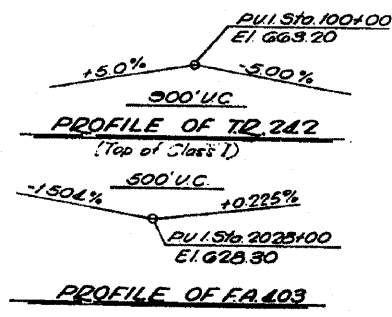
$f_c = 1200$ psi Deck Slab
 $f_c = 1400$ psi Curb, Parapet, & Substructure
 $f_c = 75$ psi Footings
 $n = 10$
 $f_s = 20,000$ psi Reinf.
 $f_s = 20,000$ psi Struct.
 Allowable 4" Deflection - 1/1200
 Design Specifications 1969 AASHTO (as applicable)

LOADING - HS 15-44



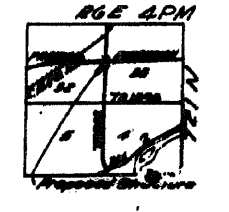
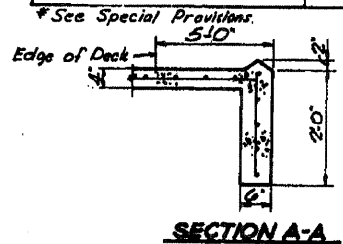
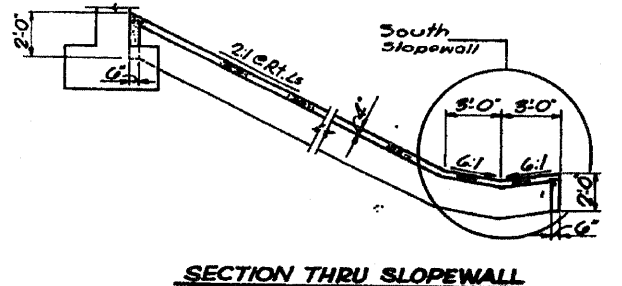
TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Structure Excavation	Cu Yds		316	316
Class X Concrete	Cu Yds	202.0	169.7	429.5
Structural Steel	Lump Sum			1
Reinforcement Bars	Lbs.	50150	21030	80180
Steel Piles HP10x42	Lin. Ft.		1764	1764
Test Piles, Steel	Eg.		2	2
Slope Wall 4"	Sq. Yds.		327	327
Bit. Sur. P. Class I	Tons	67		67
Coal Tar Int. Prot. Coat	Sq. Yds.	792		792
Aluminum Foiling	Lin. Ft.	492		492
Preformed Joint Sealer	Lin. Ft.	64		64
Stud Shear Connectors	Eg.	1440		1440
Name Plate	Eg.		1	1
Protective Coat	Sq. Yds.	142	54	196
Sand Backfill	Cu. Yds.		127	127



NAME PLATE
 (See Std 2113)

STATION 2027+40.41
 BUILT 197 BY
 STATE OF ILLINOIS
 FA. 403 SEC. 195-2 HB-2
 FA. PROJ. 195-2 HB-2 (1)
 LOADING HS 15



GENERAL PLAN & ELEVATION
 PROJECT FA. 403
 T.R. 242 OVER F.A. 403
 F.A. RTE. 403 - SEC. 195-2 HB-2
 WHITESIDE COUNTY
 STATION 2027+40.41

PLANS PREPARED BY MACKIE ENGINEERING CO.
 Nov. 9-77-72

FOR INFORMATION ONLY

DESIGNED C.D.C.	EXAMINED	19
CHECKED H.M.W.	PASSED	
DRAWN C.D.C.	APPROVED	
CHECKED S.M.K.		

FILE NAME =	USER NAME = linkdj	DESIGNED -	REVISED -	STATE OF ILLINOIS	Existing Plan and Elevation	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C:\BR\Bridg Painting\Contract\PAINTING\64G28\PLA\eng.dgn		DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	Structure No. 098-0072	88	02 Bridge Painting 2011-1	Whiteside	14	11
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -							
PLOT DATE = Sat Jan 22 06:48:06 2011		DATE -	REVISED -							
					SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____					
										ILLINOIS FED. AID PROJECT