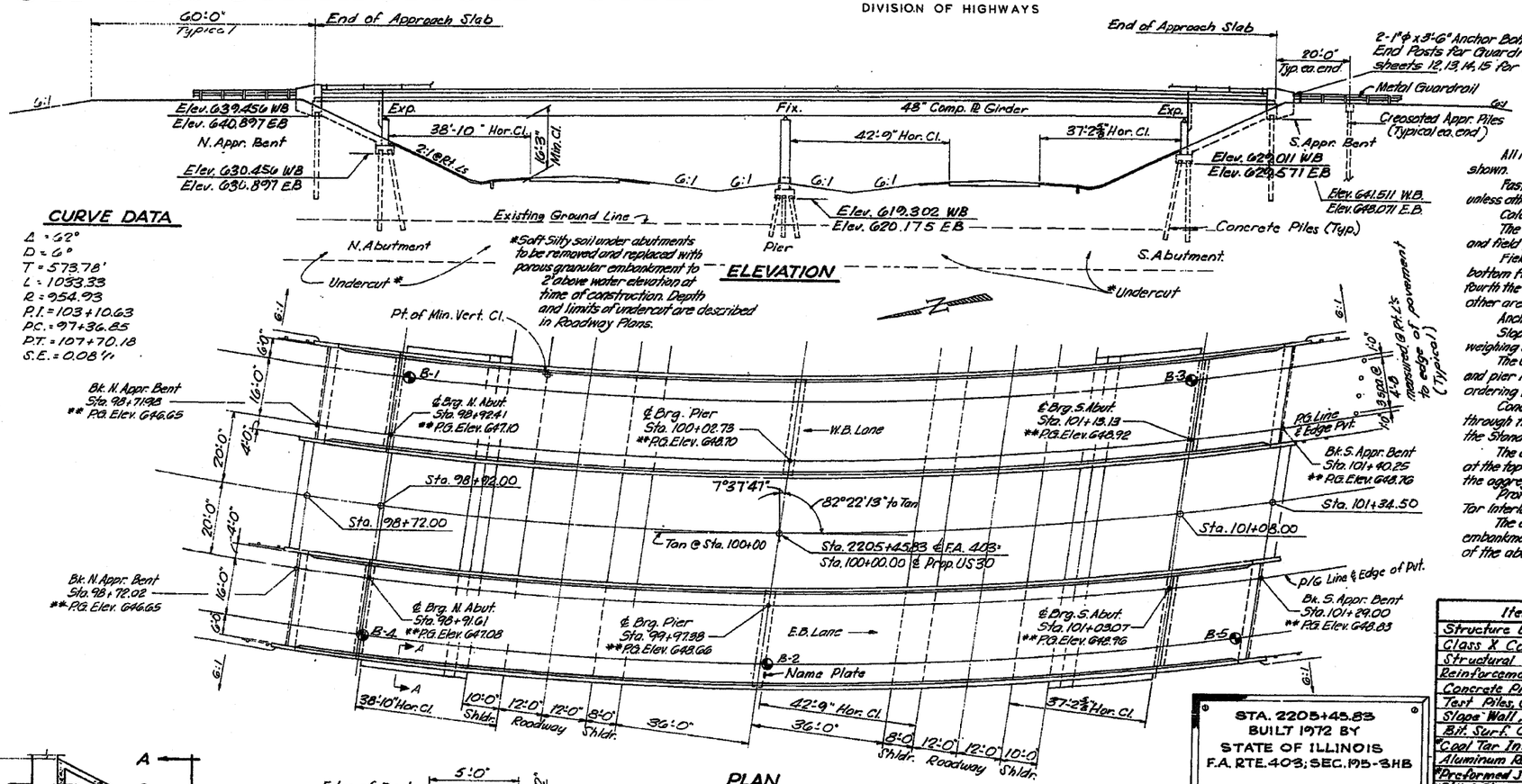
FOR INFORMATION ONLY

STATE OF ILLINOIS
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 1
F.A. 403	195-3	WHITESIDE	589	196	20 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	F.A. PROJ.			



CURVE DATA

Δ = 62°
D = 6°
T = 573.78'
L = 1033.33
R = 954.93
P.I. = 103+10.63
P.C. = 97+36.85
P.T. = 107+70.18
S.E. = 0.08'/'

GENERAL NOTES

All reinforcement bars shall be lapped 24 diameters unless otherwise shown.

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

Calculated weight of Structural Steel = 483067

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 bottom flange of girders nor to top flange for a distance equal to one fourth the span length each way from the pier support. Field welding in other areas will be permitted only when approved by the Engineer.

Anchor bolts shall be set before bolting cross frames over supports.

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

The Contractor shall drive one concrete test pile at each abutment and pier in a permanent location as directed by the Engineer before ordering the remainder of piles.

Concrete piles at abutments shall be driven in holes precored through the embankment in accordance with Article 512.09(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.

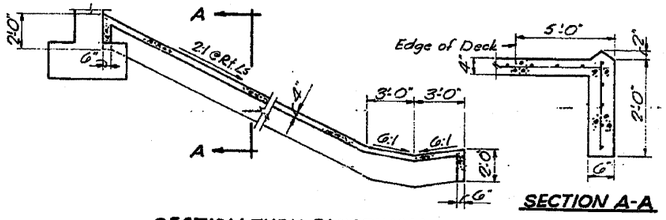
Protective Coat shall not be applied to surfaces to which Coal Tar Interlayer Protective Coat is applied.

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

BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Structure Excavation	Cu. Yds.	——	122	122
Class X Concrete	Cu. Yds.	543.5	360.3	903.8
Structural Steel	Lump Sum	1	——	1
Reinforcement Bars	Lbs.	118902	45122	164114
Concrete Piles	Lin. Ft.	——	4757	4757
Test Piles, Concrete	Ea.	——	6	6
Slope Wall, 6"	Sq. Yds	——	481	481
Bit. Surf. Class I	Tons	120	——	120
*Coal Tar Inter. Prot. Coat	Sq. Yds	1435	——	1435
Aluminum Railing	Lin. Ft.	1029	——	1029
*Preformed Joint Sealer	Lin. Ft.	114	——	114
Stud Shear Connectors 3/4"ϕ	Ea.	2880	——	2880
Name Plate	Ea.	——	1	1
Protective Coating	Sq. Yds	414	——	414
* Sand Backfill	Cu. Yds.	——	310	310
Creosoted Appr. Piles (20.1 to 35)	Lin. Ft.	——	512	512

* See Special Provisions



SECTION THRU SLOPEWALL

SECTION A-A

PLAN

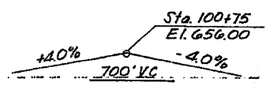
DESIGN STRESSES

f_c = 1200 psi Deck Slab
f_c = 1400 psi Curb, Parapet, & Substructure
V_c = 75 psi Ftg.
n = 10
f_s = 20,000 psi Reinf.
f_s = 20,000 psi Struct.
Allowable ℄ Deflection = L/1440
Design Specifications - 1969 AASHO (as applicable)
Allow 25# per square foot for future wearing surface.

LOADING - HS 20-44

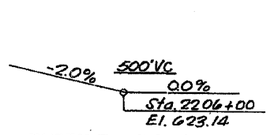
APPROACH PILE DATA

Type: Creosoted
Length Req'd: 31' N. Appr.
33' S. Appr.
No. Req'd. 4 each Appr. - 16 total

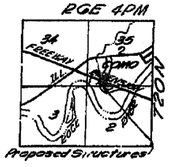


PROFILE - PPOR. US 30

** Elevations are to top of Class I



PROFILE - F.A. 403



LOCATION SKETCH

STA. 2205+45.83
BUILT 1972 BY
STATE OF ILLINOIS
F.A. RTE. 403; SEC. 195-3HB

LOADING HS20

NAME PLATE

See Std. 2113

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Engineer of Structures & Facilities

STATE OF ILLINOIS — ROBERT M. WALKER — 81-3549 — REGISTERED STRUCTURAL ENGINEER

GENERAL PLAN & ELEVATION

PROP. U.S. 30 OVER F.A. 403
F.A. RTE. 403 - SEC. 195-3HB
WHITESIDE COUNTY
STATION 2205+45.83

098-0077,8

PLANS PREPARED BY MACKIE ENGINEERING CO.

DESIGNED	H.M.W.	
CHECKED	C.D.C.	
DRAWN	C.D.C.	
CHECKED	S.M.K.	

19
EXAMINED
PASSED
APPROVED

1 on Slope No. 11 7" from 483 cu yds to 481 cu yds D.D. 3-14-72

* FAI Route 88 & FAP Route 309 (I-88 & US 30)
** D2 Bridge Painting 2009-2

FILE NAME: P:\PAINTING\64E63\PLANeng.dgn		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			*	**	Whiteside	29	20
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -					CONTRACT NO. 64E63		
	PLOT DATE = Fri Dec 05 13:42:18 2008	DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT