

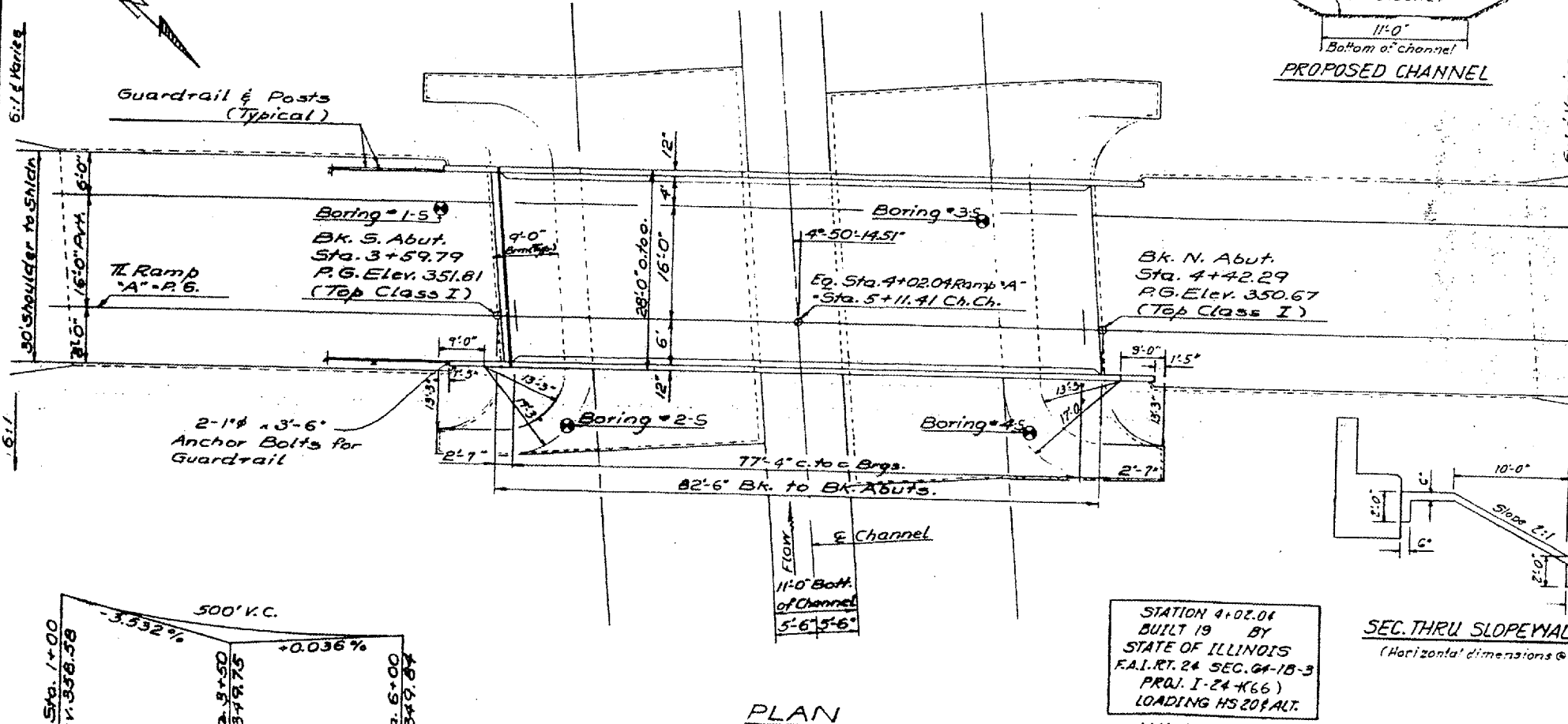
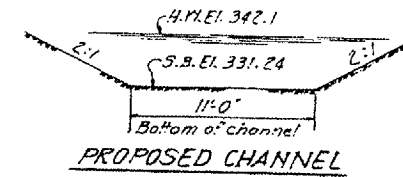
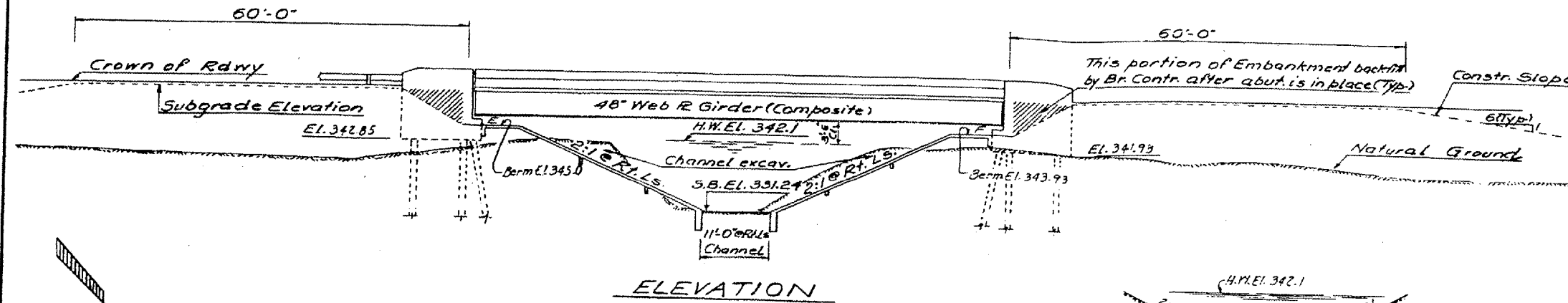
NO.	DATE	BY	REVISION
1	10-18-75	MASSAC	117
2			117
3			117

SHEET NO. 1  
8 SHEETS

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

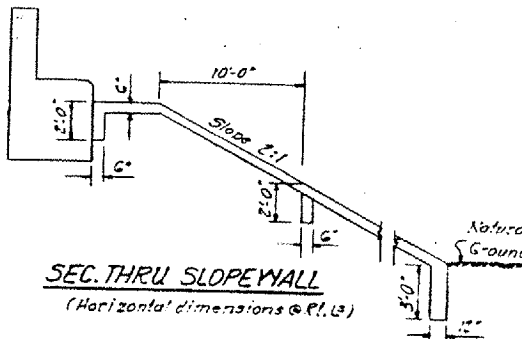
B.M. Survey Marker - Eastbound Lanes (West Lanes) Sta. 199+00 - Elev. 351.54

No existing structure.



STATION 4+02.04  
 BUILT 19 BY  
 STATE OF ILLINOIS  
 F.A.I. RT. 24 SEC. 04-18-3  
 PROJ. I-24-K66  
 LOADING HS 20 S.A.L.T.

NAME PLATE  
 (See 514.2113)



**GENERAL NOTES**

Fasteners shall be high strength bolts. Bolts 3/4" Ø, open holes 15/16" unless otherwise noted.  
 Calculated weight of Structural Steel = 58930 lbs.  
 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 or 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 6"x6" mesh, weighing 58# per 100 sq. ft.  
 Layout of slope walls may be varied in the field to suit ground conditions as directed by the Engineer.

The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.  
 Protective Coat shall not be applied to surfaces to which Waterproofing Membrane System is applied.  
 Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two 1/2" adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims.  
 For borings see Proposa.

The Contractor shall drive one concrete test pile in a permanent location of North Abutment as directed by the Engineer before ordering the remainder of piles.

**TOTAL BILL OF MATERIAL**

Item	Unit	Super	Sub	Total
Bimastic Concrete Surface Course Class I	Sq. Yds	13		13
Structure Excavation	Cu. Yds.		12	12
Protective Coat	Sq. Yds	86		86
Waterproofing Membrane System	Sq. Yds	222		222
Class I Concrete	Cu. Yds.	81.2	73.8	155.0
Structural Steel	L.S.			708
Stud Shear Connectors	Each	708		708
Reinforcement Bars	Lbs	17880	7350	25230
Concrete Piles	Lin. Ft.		1070	1070
Test Piles (Concrete)	Each		1	1
Name Plates	Each		1	1
Slope Wall (6")	Sq. Yds.		7'6"	7'6"
Preformed Joint Sealer (1/2")	Lin. Ft.	28		28

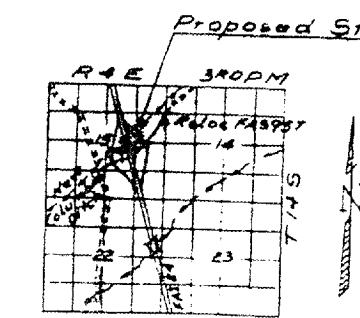
**WATERWAY INFORMATION**

Drainage Area 3900 Acres  
 Character: Level, Cultivated, Silty Clay  
 Required Opening 323 Sq. Ft.  
 Proposed Opening 355 Sq. Ft.

**DESIGN STRESSES**

f<sub>c</sub> = 1200 psi Deck Slab  
 f<sub>c</sub> = 1400 psi Curb parapet & sub.  
 f<sub>s</sub> = 20000 psi (M 183)  
 n = 8.5

Loading HS 20-44 S.A.L.T.  
 1975 AASHTO, 1974 and 1975 Interim Specifications.  
 Allow 25% for Future W. 3.



**GENERAL PLAN & ELEVATION**  
 PROJECT: I-24-( )  
 RAM  
 FOR INFORMATION ONLY:  
 F.A.I.  
 BRIDGE NO. 8 STRUCTURE 064-0037

**PROPOSED PROFILE RAMP 'A'**  
 (along transit line)

DESIGNED	March 15 1976
CHECKED	
DRAWN	
CHECKED	