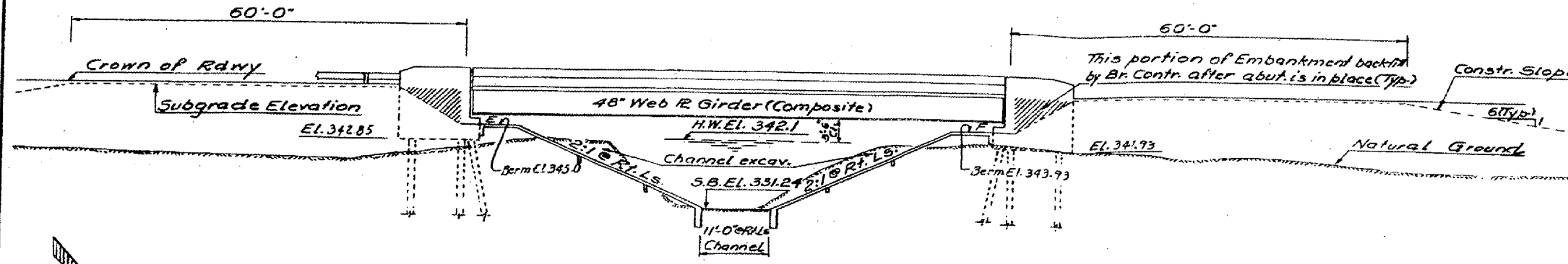


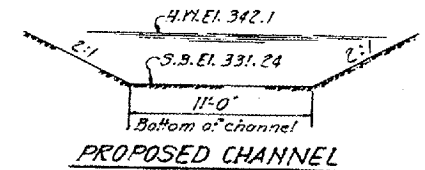
PROJECT NO.	DATE	SCALE	SHEET NO.
98-183	11/7	1" = 40'	5

B.M. Survey Marker - Eastbound Lanes (West Lanes) Sta. 199+00 - Elev. 351.54
 No existing structure.

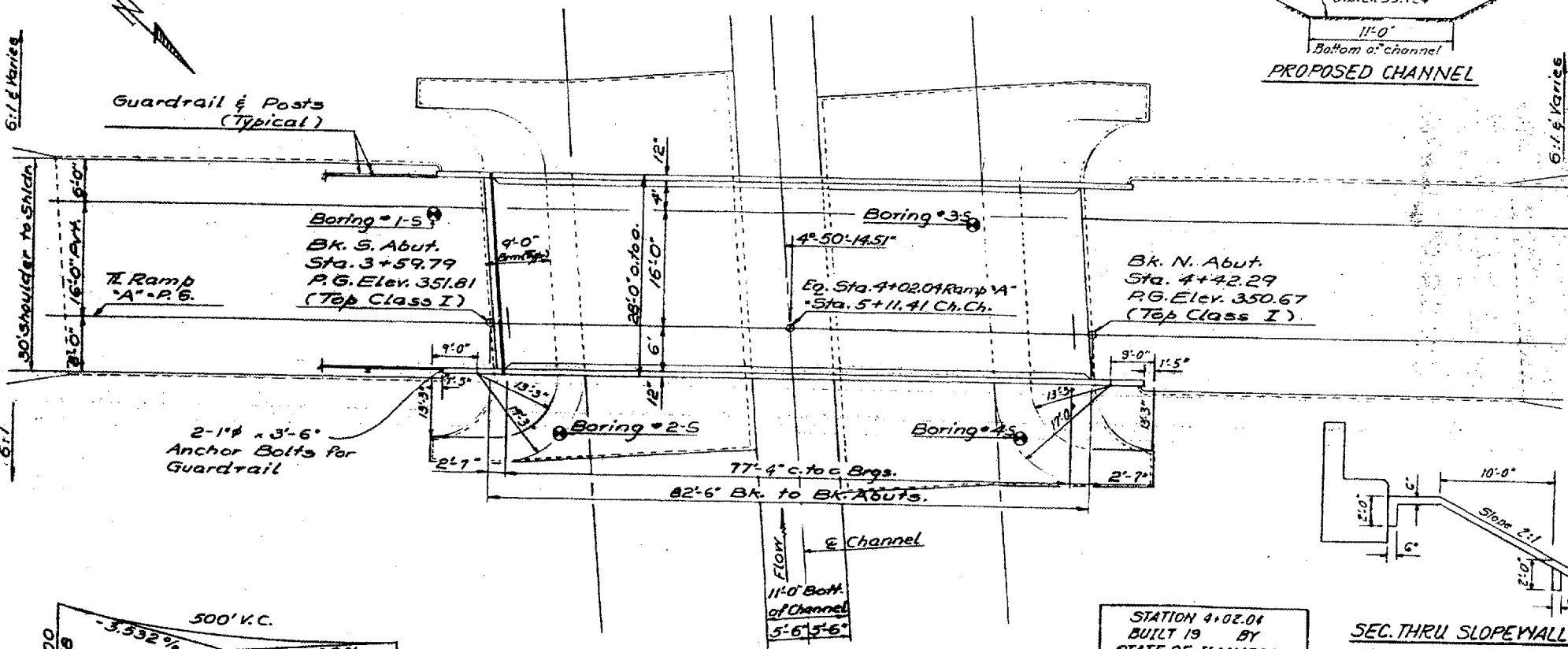
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



ELEVATION



PROPOSED CHANNEL



PLAN

GENERAL NOTES

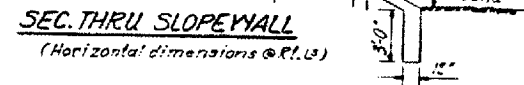
Fasteners shall be high strength bolts. Bolts 3/4" Ø, open holes 15/16" unless otherwise noted.
 Calculated weight of Structural Steel = 58930 lbs.
 The Basic Lead Silica Chromate paint system shall be used for shop and field painting of structural steel.
 Field welding of construction accessories will 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 ± 5/8 inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two 1/8" 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
Bituminous 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.			L.S.
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 Nail (6")	Sq. Yds		776	776
Preformed Joint Sealer (2 1/2")	Lin. Ft.	28		28



SEC. THRU SLOPE WALL
 (Horizontal dimensions @ R.L. 1)

STATION 4+02.01
 BUILT 19 BY
 STATE OF ILLINOIS
 F.A.I. RT. 24 SEC. 64-18-3
 PROJ. I-24-K(66)
 LOADING HS 20 F.A.L.T.

NAME PLATE
 (See S.M. 2113)

WATERWAY INFORMATION
 Drainage Area: 3900 Acres F.A.I. Rte. 24 (Ramp A)
 Character: Level, Cultivated, Silty Clay
 Required Opening: 323 Sq. Ft.
 Proposed Opening: 355 Sq. Ft.

DESIGN STRESSES
 f_c = 1200 psi Deck Slab
 f_c = 1400 psi Curb, parapet & sub.
 f_s = 20000 psi (M 183)
 n = 8.5

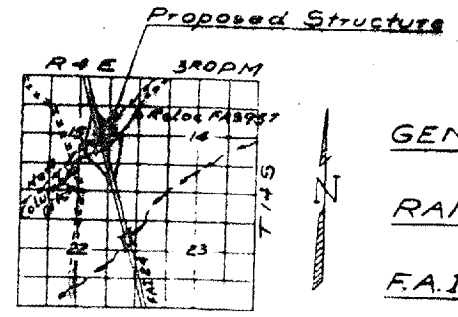
Loading HS 20-44 E.A.L.
 1973 AASHTO, 1974 and 1975 Interim Specifications.
 Allow 25 #/d' for Future W.S.

PROPOSED PROFILE RAMP 'A'
 (along transit line)

DESIGNED	John Wood
CHECKED	Robert K. Howler
DRAWN	V.H.L.
CHECKED	R.K.O.

DESIGNED	March 15 1970
EXAMINED	Carl E. Hummer
PASSED	
APPROVED	

Q₍₁₅₀₎ = 1780 cfs
 H.W. Elev. = 342.1 (150 ym)
 Q₍₁₀₀₎ = 2260 cfs
 H.W. Elev. = 342.3 (100 ym)



LOCATION SKETCH

GENERAL PLAN & ELEVATION
 PROJECT: I-24-()
 RAM.
 FOR INFORMATION ONLY:
 F.A.I. BRIDGE NO. 14 STRUCTURE 064-0037