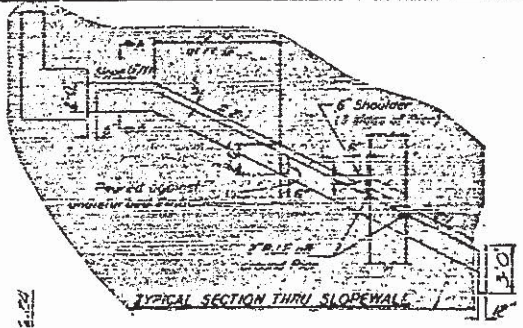
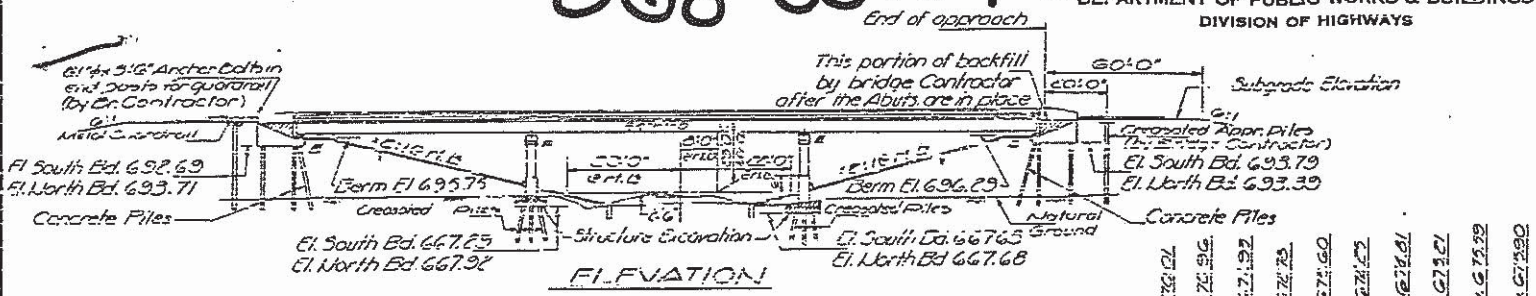


P.M. 4129 cut in N.W. corner of N. Abutment on I.C. RR bridge 40 U, Sta. 531.50 Elev. 673.64

068-0045 & 068-0046
 DEPARTMENT OF PUBLIC WORKS & BUILDINGS
 DIVISION OF HIGHWAYS

DATE	BY	REVISION	NO.
11-25-70	MONTEGOMERY	268	14

0045 & 46



APPROACH FILE DATA

Type: Creosoted
 Est. Length: 29'
 No. Req'd.: 36

GENERAL NOTES

All reinforcement bars shall be spaced 24" maximum unless otherwise noted.

Fasteners shall be high strength bolts, Bolt 5/8", nuts 1 1/2", washers 3/4".

Calculated weight of steel reinforcement = 250,560 lbs.

The design load shall be as follows:

Dead load of structure

Live load of 100 lbs/sq ft

Wind loading of 30 lbs/sq ft

Fluid loading of 100 lbs/sq ft

Seismic loading of 0.1 g

Field welding of connections shall be permitted only when approved by the Engineer.

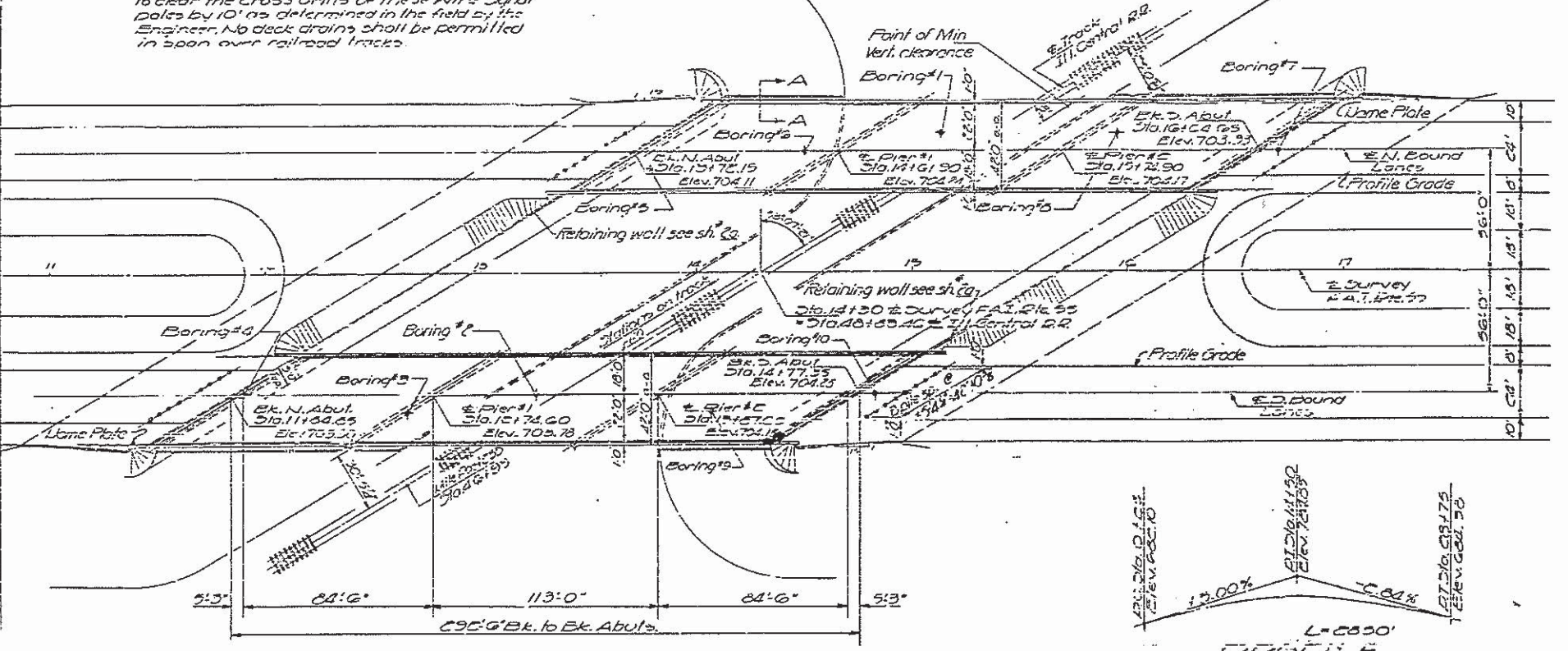
Anchor bolts shall be set before bolting cross frames over supports.

Steel shall be reinforced with welded wire fabric 6" x 6" mesh, weighing 2.0 lbs per sq ft.

Note

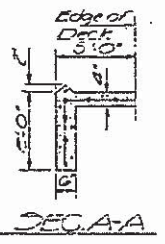
Those spans which will have railroad signal or communication lines under them shall have the deck drains spaced to clear the cross arms of these wire signal poles by 10" as determined in the field by the Engineer. No deck drains shall be permitted in span over railroad tracks.

PROFILE - TRACK



PLAN

I.C. R.R.
 BUILT BY
 STATE OF ILLINOIS
 FAI. RT. 55 SEC. 68-1VB
 F.A. PROJ. 16-55-2(20)
 STATION 14+30
 LOADINGS HS 20S 44 ALT.



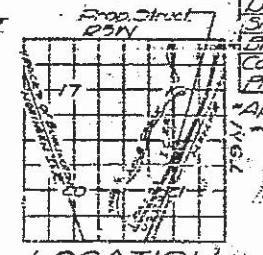
PROFILE
 F.A. PROJ. 55
 (at Median edge) Top of Class I

DESIGN STRESSES

f_c = 1500 psi - Deck Slab
 f_c = 1400 psi - Curb, Parapet, Sub.
 f_c = 20,000 psi - Pier
 f_c = 20,000 psi - Structure

f_s = 75 psi - Footing
 f_s = 40,000 psi - Composite
 Allowable Future W.S. 25%
 Design Specifications
 1969 A.A.H.O. as applicable

LOADINGS HS 20S 44 ALT.



TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub.	Total
Bituminous Concrete				
Surface Course Class I	Tons	202.5		202.5
Structure Excavation	Cu. Yds.			760
Protective Coat	Sq. Yds.	513		513
Class I Concrete	Cu. Yds.	744.1	1018	1754.9
Structural Steel	L.S.	L.S.		L.S.
Stud Shear Connectors	Each	7272		7272
Aluminum Rolling	Lin. Ft.	1145		1145
Reinforcement Bars	Lbs.	137750	105570	307120
Creosoted Piles 6" x 10" x 30'	Lin. Ft.			9186
Anchor Piles	Lin. Ft.		3430	3430
Test Pile Timber	Each			?
Test Pile Concrete	Each			?
Ume Plates	Each			?
Slope wall 4"	Sq. Yds.			4560
Bridge Deck Slab	L.S.			?
Coal for Interlayer	Sq. Yds.			?
Protective Coat	Sq. Yds.	2465		2465

*Applied at Abutments only.
 **Includes quantities for Retaining Walls. See Sh. 22.

GENERAL PLAN & ELEVATION
 F.A. PROJ. 16-55-2(20) 50
 FAI. RT. 55 OVER ILLINOIS CENT. R.R.
 MONTGOMERY COUNTY
 STATION 14+30

DESIGNED A. J. King	EXAMINED	December 21 1970
CHECKED R. G. K.	PASSED	
DRAWN J. A. D.	APPROVED	
CHECKED R. G. K.		