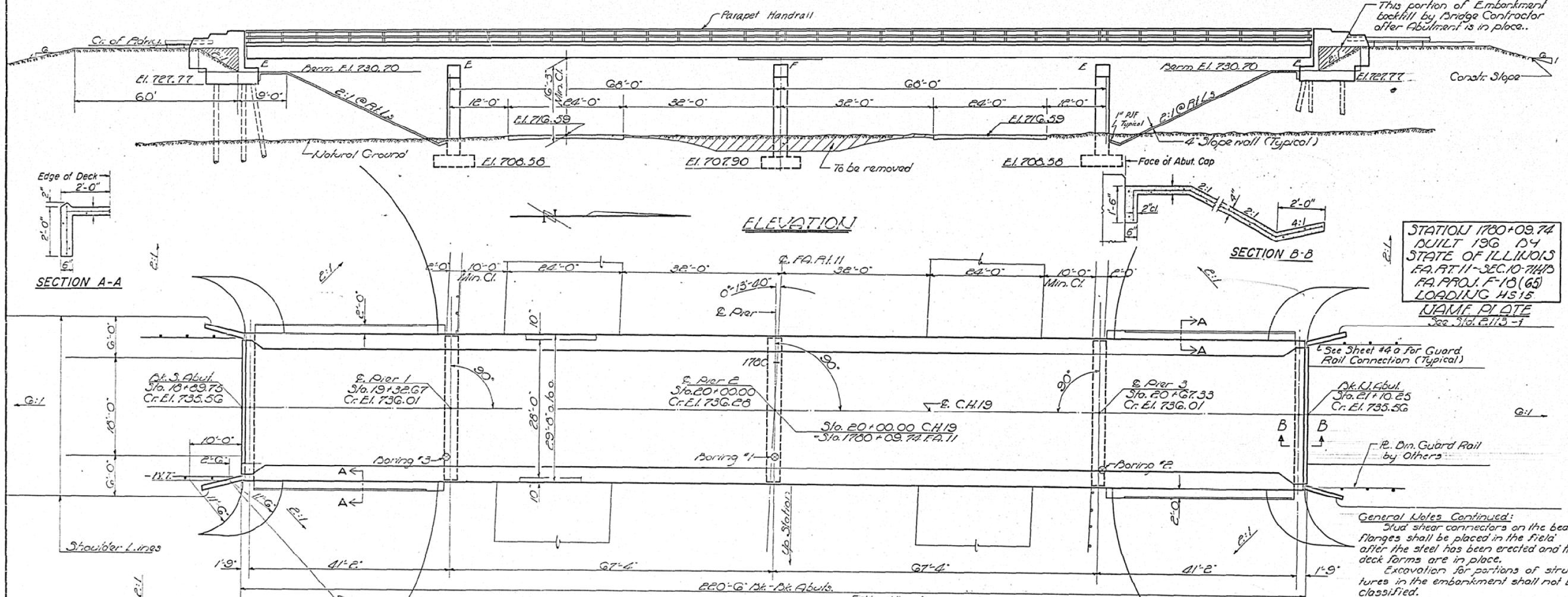


AS-BUILT PLANS FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 1
10-7145	Champaign	37	9	10	10 SHEETS
FED. AID PROJ. F-18 (65)					

A.M. - Concrete Monument, marked "V-4", 4'x4' Ft. of Sta. 1779+05 Elev. 713.60



STATION 1780+09.74
BUILT 196 1/4
STATE OF ILLINOIS
F.A. RT. 11 - SEC. 10-7145
F.A. PROJ. F-18 (65)
LOADING HS 15
NAME PLATE
See Sta. E. 113-1

General Notes Continued:
Stud shear connectors on the beam flanges shall be placed in the field after the steel has been erected and the deck forms are in place.
Excavation for portions of structures in the embankment shall not be classified.

GENERAL NOTES

Class X Concrete shall be used throughout. Coarse aggregate which is to be used in and posts must be free of chert, flint, limonite, lignite and soft sandstone.

The concrete floor slab shall be finished in accordance with Article 51.19 of the Std. Specs. The use of permanent forms will not be permitted in forming the concrete floor.

Slope walls shall be reinforced with welded wire fabric G₄ mesh, 14 wires, weighing 35 lbs per 100 sq. ft. Pivots 3/8" O.D. unless noted.

All bolsters, rockers, bearing plates, lead plates, pintles and anchor bolts shall be fabricated and set in accordance with Article 51.15 of the Standard Specifications and are included in quantity of Structural Steel, Est'd. Mt. - 6,355.

Anchor bolts shall be set before riveting diaphragms over supports.

All Structural Steel shall comply with the Specifications for Structural Steel, A.S.T.M. Designation A-36.

Expansion guards shall be fabricated and erected in accordance with Article 51.13 (d) of the Standard Specifications and are included in quantity of Structural Steel. Estimated Weight = 1550 lbs.

Field welding of construction accessories to the bottom flanges or for a distance of 1/4 of the span each way from pier supports on the top flanges of beams or girders will not be permitted. Field welding in other areas will be permitted only when approved by the Engineer.

Except as otherwise provided, all structural steel shall receive one shop coat of red lead paint and two field coats of paint. See Special Provisions for field paint.

The Contractor shall drive one concrete test pile in permanent location of South Abut. as directed by the Engineer before ordering or casting remainder of piles.

Piles in the Abutments shall be driven in holes pre-cored through the embankment to the natural ground line in accordance with Article 60.8 (c) of the Standard Specifications.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
* Class A Excavation for Structures	Cu. Yd.		190	190
Class X Concrete	Cu. Yd.	168.6	176.5	345.1
Structural Steel	Lb.	139,490		139,490
Alum. Horizontal Reinforcement Bars	Lin. Ft.	437		437
Concrete Piles	Lb.	42,220	13,700	55,920
Test Piles (Concrete)	Ea.		595	595
Name Plates	Ea.		1	1
Slope Wall	Sq. Yds.		2	2
** Protective Coat	Sq. Yds.			637
(1) Bridge Seat Sealant	Lump Sum			1

* Includes excavation for slopenall.
** Includes use on inside vertical face, top and exposed ends of the abutment wings.

DESIGN STRESSES

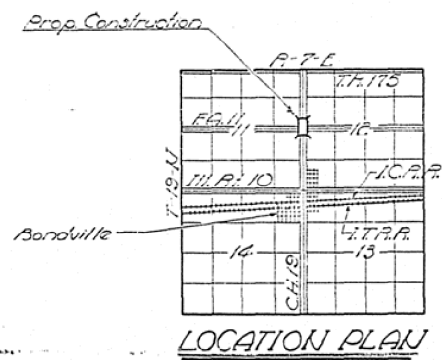
f_c = 1400 p.s.i. Super G-Sub.
f_s = 20000 p.s.i. Reinf. n = 10
f_s = 20000 p.s.i. Struct. (A-36)
Allowable L.L. Defl. non comp. = L/1000
vc = 75 p.s.i. Fibs. & comp. = L/1200
LOADING HS 15-312-44

(1) Use on abutment seats.
C.H. 19 OVER F.A. RT. 11
PROJECT F-18 (65)

GENERAL PLAN & ELEVATION
F.A. RT. 11 SEC. 10-7145

CHAMPAIGN COUNTY
STA. 1780+09.74

Rev. By Br. Office
4/1/11



DESIGNED	O. H. Hogerem	EXAMINED	MARCH 29 1962
CHECKED	R. Kowal	PASSED	
DRAWN	P.H.H. ril 10066	APPROVED	
CHECKED	RK		

Rev. 10/16/64 H.P.G. Rev. Quan. for Parapet Handrail: Alum. to Metal; C. X Concrete from 181.4 to 194.1 (300.7 to 373.4; Reinf. lbs 34,730 to 40,080 & 48,520 to 53,870; Crs. Piles length rev., Total Lin. Ft. from 150 to 170; Added Protect. Coat & Bridge Seat Sealant