

B.M. 94 3/4" iron pipe 127 feet South of Sta. 1764+50.0
 109 feet East of a Railroad right of way fence 0.5 ft
 North of an East-West Fence Elev. 627.436

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

DATE	BY	NO.	REV.	SHEET NO.
11-28-78	J.R.P.	43	4	13 SHEETS

GENERAL NOTES

Class X Concrete shall be used throughout. Coarse aggregate which is to be used in parapet handrails and end posts must be absolutely free of chert, flint, limonite, lignite, and soft sandstone. The concrete floor slab shall be finished in accordance with Article 51.19 of the Standard Specifications.

Slope wall shall be reinforced with welded wire fabric 6"x8" mesh, #4 wires, weighing 53 # per 100 Sq. Ft.

Layout of slope walls may be varied to suit ground conditions in the field, as directed by the Engineer.

Piles 3/4" Open Holes 1/2" unless noted. Permanent forms will not be permitted in forming the concrete floor.

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.

Anchor bolts shall be set before erecting diaphragms over supports.

The following surfaces of expansion guards shall be given two shop coats of red lead paint; the backs of the vertical legs of the 4"x4"x 1/2" Ls. Expansion guards are included in quantity of Structural Steel. Est. Weight = 3440 Lbs.

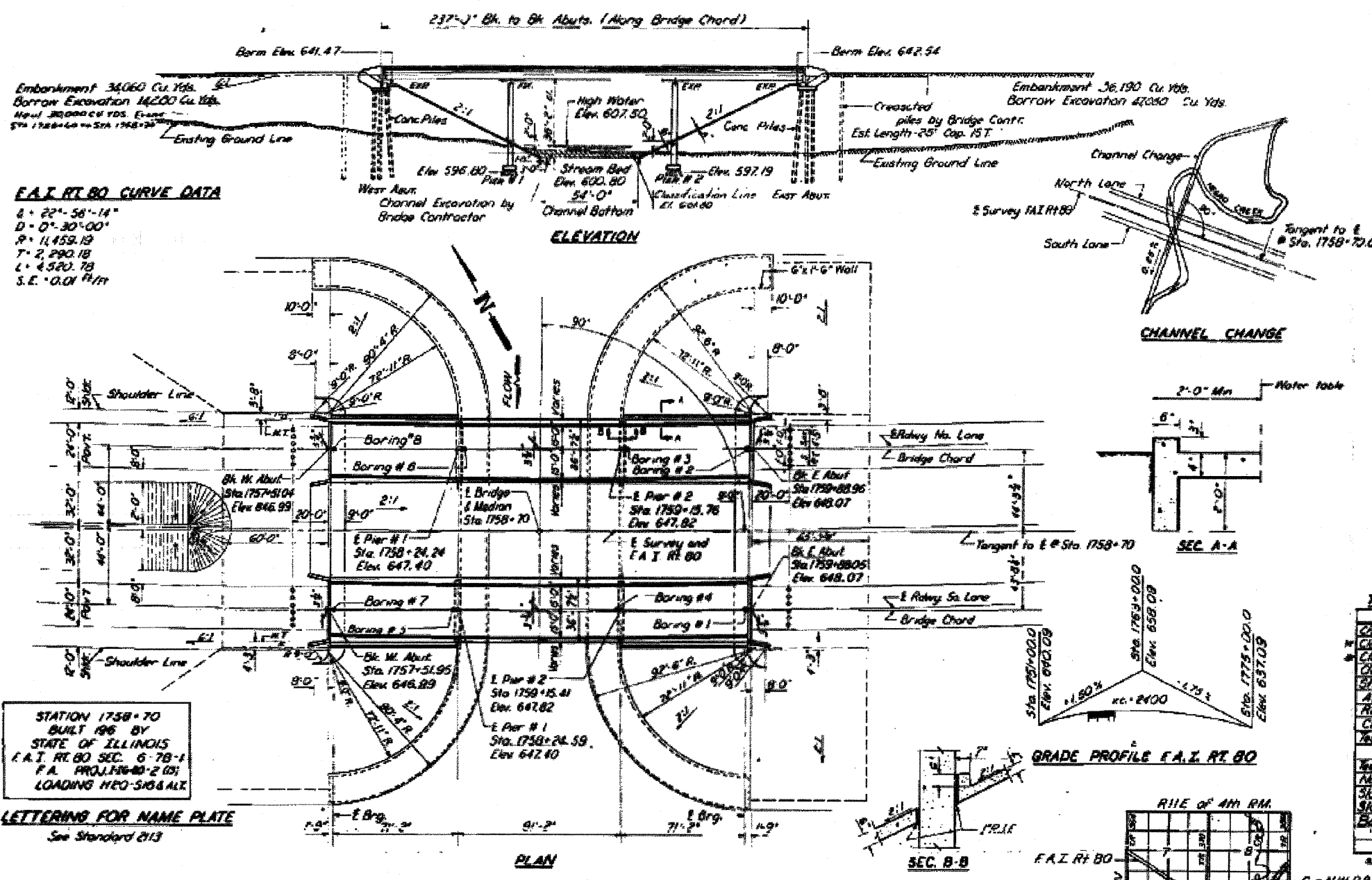
Except as otherwise provided, all Structural Steel shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Articles 56.1 to 56.5 inclusive of the Standard Specifications.

All paint shall be furnished and applied by the Contractor.

The Contractor shall drive 2 Concrete test piles in permanent locations, and 1 timber test pile at or near Pier 1, South Bridge, as directed by the Engineer, before ordering remainder of piles.

F.A.I. RT. 80 CURVE DATA

E = 22° 58' 14"
 D = 0° 30' 00"
 P = 11,459.12
 T = 2,290.18
 L = 4,520.78
 S.E. = 0.01 Ft/Ft



STATION 1758+70
 BUILT 196 BY
 STATE OF ILLINOIS
 F.A.I. RT. 80 SEC. 6-7B-1
 F.A. PROJ. 196-2-103
 LOADING H2O-SIG&ALT.

LETTERING FOR NAME PLATE
 See Standard 213

DESIGNED	James H. Ponce	DATE	Nov 2 1968
CHECKED	J.R.P.	APPROVED	J.R.P.

WATERWAY INFORMATION
 Drainage Area ----- 8,004 Acres
 Character ----- rolling, cultivated
 Required Opening --- (50 ft. fld.) --- 450 Sq. Ft.
 Proposed Opening ----- 450 Sq. Ft.
 Ordinary Water Elev. ----- 600.7

DESIGN STRESSES
 f_c = 4000 psi Super & Sub.
 v = 75 p.s.i. Figs.
 f_s = 20,000 p.s.i. Reinft
 f_s = 18,000 p.s.i. Struct.
 n = 10

LOADING H2O-SIG-44 & ALT.

TOTAL BILL OF MATERIAL (2 BRIDGES) SEC. 6-7B-1

Item	Unit	Subtotal	Subtotal	Total
Channel Excavation	Cu. Yds.		3000	3000
Class A Excavation for Str.	Cu. Yds.		810	810
Class B Excavation for Str.	Cu. Yds.		810	810
Class X Concrete	Cu. Yds.	528.0	29,368	29,896
Structural Steel	Lbs.	808820		808820
Aluminum Handrail	Lin. Ft.	8380	6470	938.0
Reinforcement Bars	Lbs.	184,480		184,480
Crested Piles	Lin. Ft.	108,000	810.0	108,810
Test Piles - Timber	Each	1		1
Test Piles - Concrete	Lin. Ft.		2376	2376
Name Plates	Each	2		2
Slope Wall 4'	Sq. Yds.		2840	2840
Slope Wall 6'	Sq. Yds.		2160	2160
Borrow Excavation	Cu. Yds.		42,550	42,550
			67,500	67,500

* Includes Excavation for tie of abutments

TOTAL BILL OF MATERIAL (2 BRIDGES) SEC. 6-7B-1

Structural Steel	Lbs.	808820
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GENERAL PLAN AND ELEVATION
 PROJECT 196-2-103
 H2O-SIG-44
 F.A.I. RT. 80 SEC. 6-7B-1
 BUREAU COUNTY
 STA. 1758+70

