



DATE	BY	CHKD	APP'D
08-27-78	BR/BO	12	6
08-27-78	BR/BO	12	6

GENERAL NOTES

Class X concrete shall be used throughout except in handrail end posts.

Handrail concrete shall be used in handrail end posts.

The concrete floor slab shall be finished in accordance with Article 615 of the Standard Specifications.

Slope wall shall be reinforced with welded wire fabric 6"x6" mesh, #4 wires weighing 50# per 100 sq. ft.

Rivers 2" x 4" open holes 1/2" unless noted.

Reinforcing shall be adjusted to true alignment after curbs have been poured.

All rockers, bolsters, bearing plates, lead plates, pintles & anchor bolts shall be fabricated and set in accordance with Article 615 of the Standard Specifications and are included in quantity of structural steel.

Anchor bolts shall be set before riveting diaphragms over supports.

All steel handrail posts shall be vertical.

Expansion guards shall be fabricated & erected in accordance with Article 615 of the Standard Specifications.

Expansion guards are included in quantity of structural steel.

Except as otherwise provided all structural steel shall receive one coating of red lead paint in accordance with Article 615 of the Standard Specifications.

All paint shall be furnished & applied by the Contractor.

The piles in the abutments shall be driven in holes drilled through the embankment to the natural ground line in accordance with Article 605(a) of the Standard Specifications.

The Contractor shall drive 2 concrete test piles in permanent locations as directed by the Engineer before ordering remainder of piles. (1 test pile @ N. Abut. N. Bridge & 1 test pile @ E. Abut. S. Br.)

The Contractor shall drive 3 timber test piles as directed by the Engineer before ordering remainder of piles. (1 test pile near Pier #2, S. Br.; 1 near Pier #4, N. Br. & 1 near Pier #7, N. Br.)

TOTAL BILL OF MATERIAL SEC. 06-7B

Item	UNIT	Quantity	Unit Price	Total
Channel Excavation	Cu Yd	4329	8.38	36276
Borrow Excavation	Cu Yd	31964	31.96	1021500
Class X Excavation for 30"	Cu Yd	430	4.30	1849
Class X Excavation for 36"	Cu Yd	506	5.06	2560
Handrail Concrete	Cu Yd	4.6	4.6	21.16
Class X Concrete	Cu Yd	603.7	985.5	594000
Structural Steel	Lb.	470360	470.36	175400000
Handrail	Lb.	1269	1.27	1611
Reinforcement Bars	Lb.	117,710	67.70	7950000
Crossed Piles	Lb.	3364	33.64	113000
Test Piles (Timber)	Each	3	3	9
Concrete Piles	Lb.	1,263	1.26	1592
Test Piles (Concrete)	Each	2	2	4
Name Plates	Each	2	2	4
Slope Wall #	Sq. Ft.	100	100	10000
Slope Wall #	Sq. Ft.	114	114	12996

BILL OF MATERIAL SEC. 06-7E

Structural Steel	Lb.	470,360
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STATION 1672+97.00
 BUILT 196 BY
 STATE OF ILLINOIS
 R.A.I. RT. 80 SEC. 06-7B
 R.A. PROJECT 7-80-2 (N)
 LOADING H20-516 & ALT.

LETTERING FOR NAME PLATE
 See Sp. 215

DESIGNED: [Signature]
 CHECKED: M. Rama Shaha
 DRAWN: E.N. Rich
 CHECKED: N.T.

Nov. 29 1960
 W.B. [Signature]
 DESIGN STRESSES
 10 = 1000 psi, Super f. sub.
 15 = 20,000 psi, Rivet
 15 = 18,000 psi, Rivet
 17-10

PLAN-NORTH & SOUTH STRUCTURES

WATERWAY INFORMATION
 Drainage Area: 25,300 ACRES
 Channel: [Signature]
 Proposed Opening: 1000 (Round) 830 Sq. Ft.
 Ordinary Elev. 647.5
 Low Water Elev. 647.0
 LOADING H20-516-44 & ALT.

PROJECT 7-80-2 (N)
GENERAL PLAN & ELEVATION
OVER TR. 352 & BRUSH CREEK
R.A.I. RT. 80 SEC. 06-7B, 8
BUREAU COUNTY
STA. 1672+97.00 (R.A.I. RT. 80)