

* I-74 & I-57
 ** D-5 BRIDGE PAINTING 2005-1
 CONTRACT NO. 70451

GENERAL NOTE:

Course aggregate to be used in posts must be free of chert, shale, limestone, lignite and soft stone.

The concrete floor slab shall be finished in accordance with Article 2119 of the Standard Specifications.

Slope Wall shall be reinforced with welded wire fabric 6"x6" mesh, weighing 50 lbs per 100 sq ft.

All reinforcement bars shall be lapped, 20 diameter, unless otherwise shown.

All structural steel shall conform to AISC Designation A-80.

Rivers & Open Holes 1/2" unless otherwise noted.

Anchor bolts shall be set before fastening diaphragms & supports.

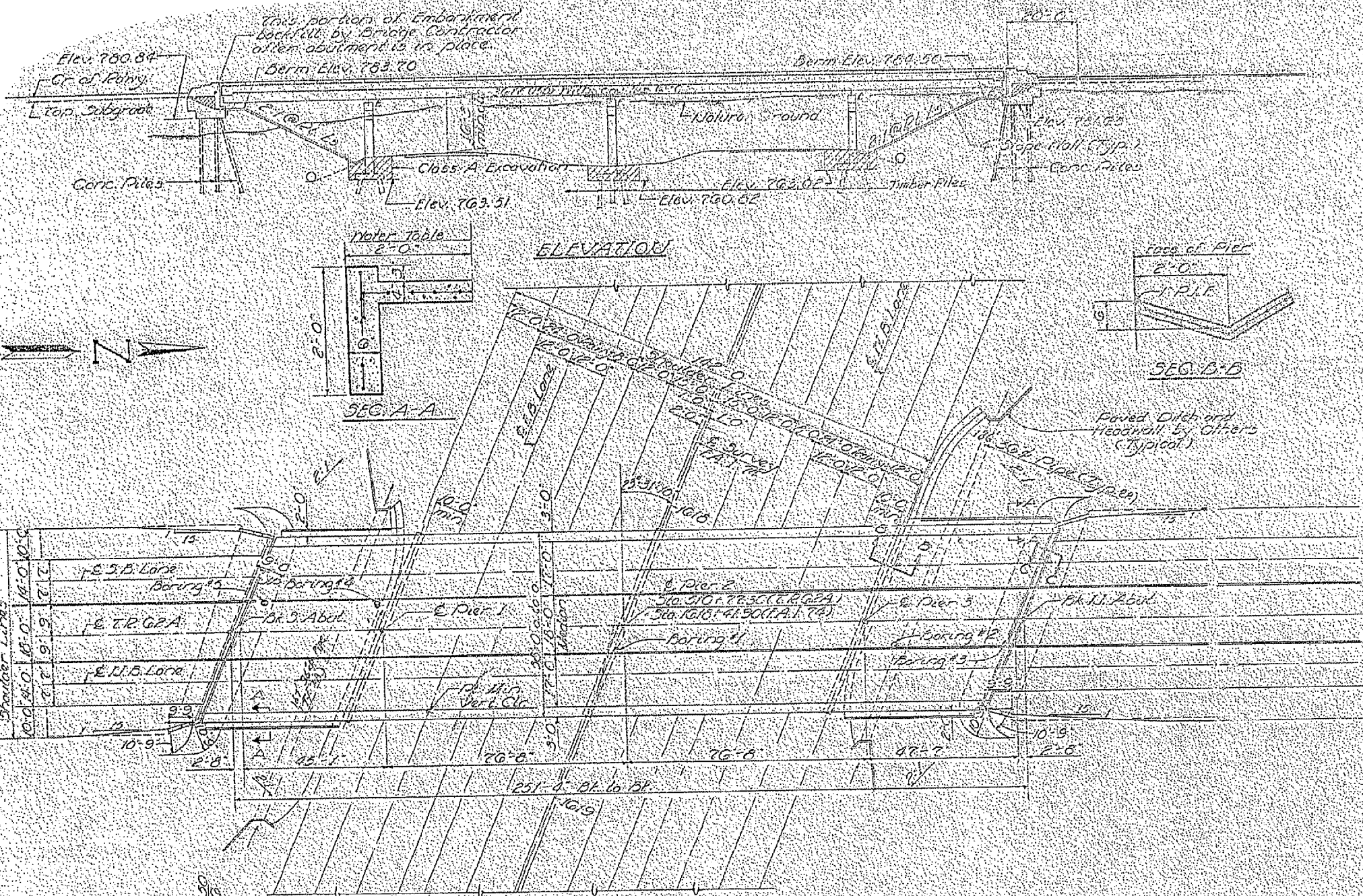
Exposed surfaces of the expansion devices, inaccessible after erection, shall receive two shop coats of red lead paint. Other surfaces shall be given one shop coat of red lead paint. Anchor studs shall not be painted.

Expansion devices are included in the quantity of Structural Steel. Est. Weight = 2,034 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.

Concrete piles of abutments shall be driven in holes pre-cored thru the embankment in accordance with Article 60.56 of the Standard Specifications (See Abutment).

The Contractor shall drive 1 cone test pile on the North Abut. in a permanent location and 1 timber test pile in the vicinity of Pier 2 as directed by the Engineer before order the remainder of piles.



TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Class A Excavation for Structures	Cu. Yds.		385	385
Class X Concrete	Cu. Yds.	452.3	379.0	831.3
Structural Steel	Lbs.	339,700		339,700
Aluminum Handrail	Lin. Ft.	496		496
Reinforcement Bars	Lbs.	96,520	40,720	137,240
Concrete Piles	Lin. Ft.		700	700
Test Pile (Concrete)	Each		1	1
Crested Piles	Lin. Ft.		1826	1826
Test Pile (Timber)	Each		1	1
Worm Plates	Each		2	2
Protective Coat	Sq. Yds.	1,600		1,600
Bridge Seal Sealant	Lump Sum			6
Slope Wall (C)	Sq. Yds.		713	713
Pipe Culverts Type 24, 36	Lin. Ft.		353	353

* Includes excavation for Slope Wall
 ** Application of Abut. Only

STATION 1618+00 TO 1619+00
 BUILT 196 BY
 STATE OF ILLINOIS
 FAI PT 74 SEC 10 4HB-1
 FAI PFOJ I-74-5(G)
 LOADING H320

NAME PLATE
 SEC 10 213

SEC. C-C

Location	Station	Profile Grade Elev.
Abut. 1	509+52.85	769.40
Pier 1	510+00.63	769.72
Pier 2	510+77.30	790.06
Pier 3	511+53.97	790.16
Abut. 2	512+04.22	790.14

VERTICAL CURVE DATA I.R. G2A

DESIGNED: Sam F. Johnson	EXAMINED: Carl F. Johnson
CHECKED: [Signature]	PASSED: [Signature]

FOR INFORMATION ONLY

DESIGN STRESSES
 S_c = 1,800 psi Super. & Sub.
 S_s = 20,000 psi

PROJ. I-74-5(G)1179
 GENERAL PLAN & ELEV.
 FAI PT. 74 SEC. 10 4HB-1
 CONTRACT NO. 70451