

069-0009

C.M. #2 cut top N.E. Corner top N.E. Pinnacle of Bridge I Rt. Lt. Sta. 11+13.13 Elev. 575.37  
 Existing Structure: R.C.G. 1 Span 35' clear with a 20' foot on R.C. closed abut. 20' x 20' to be removed by Bridge Contractor after N half of proposed structure is completed.  
 Salvage: None

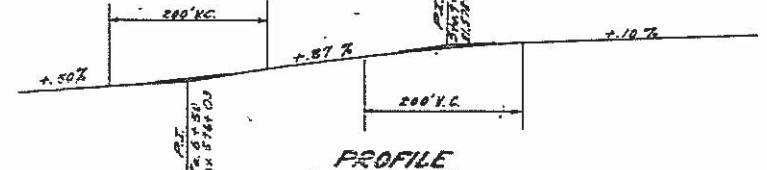
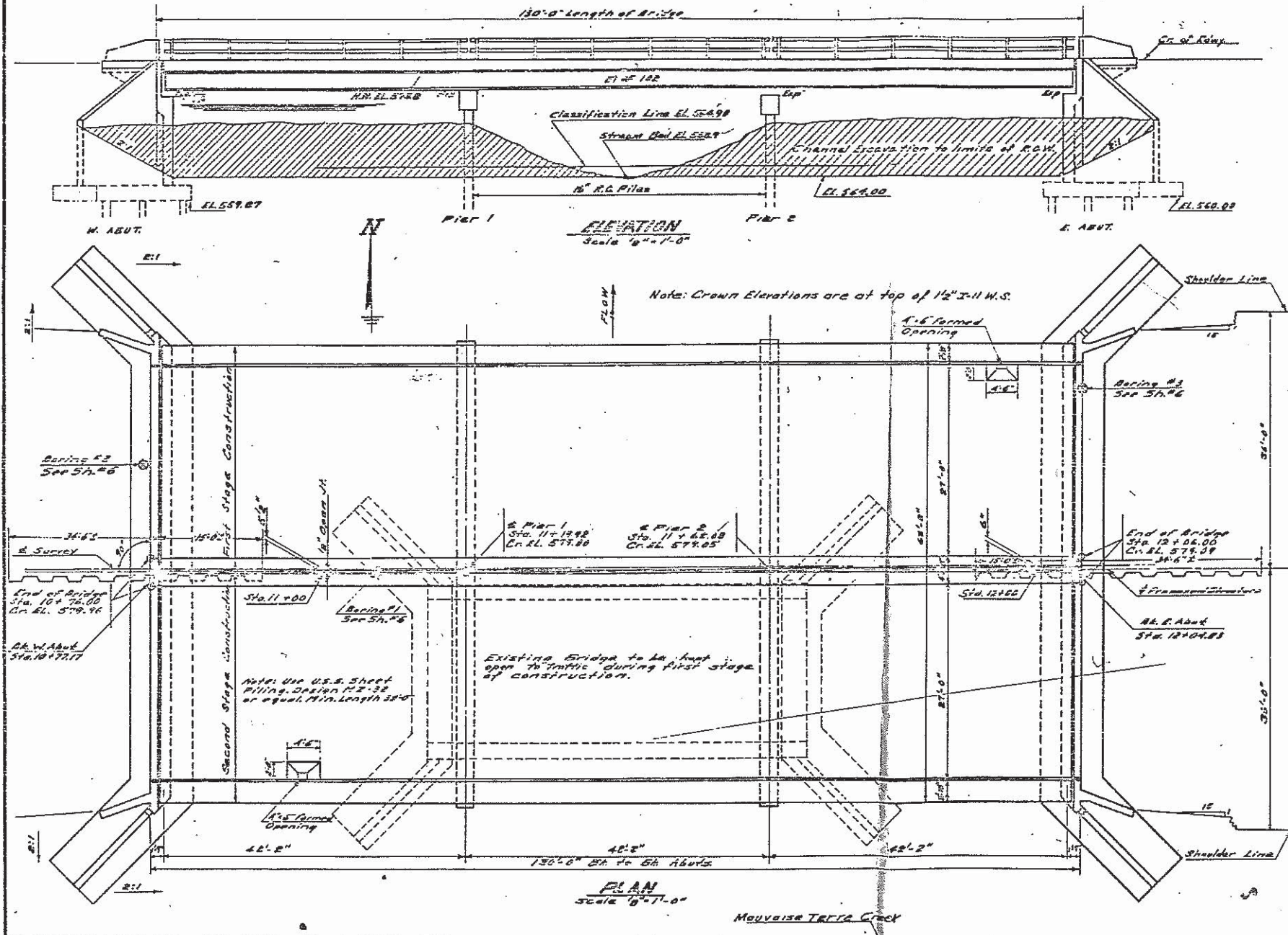
STATE OF ILLINOIS  
 DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
 DIVISION OF HIGHWAYS

NO. 10	2578	7	4	5
NO. 11	3305	14	14	5

SHEET NO. 7 SHEETS

GENERAL NOTES

Class X Concrete shall be used thruout except in End Posts. Handrail Concrete shall be used in End Posts.  
 The Concrete Floor Slab shall be poured in one continuous operation between joints and shall be finished in accordance with Art. 51.12(c) of the Standard Specifications.  
 The Curbs and Slab outside of longitudinal Construction Joints shown on cross section, shall be poured monolithically.  
 Transverse Construction Joints shall be made in the Slab except by written permission of the Engineer.  
 Metal Handrail and Structural Steel shall receive one shop coat of red lead paint and two field coats of aluminum paint after inspection by the Illinois Division of Highways. See Article 57.1 to 57.5 inclusive of the Standard Specifications.  
 All paint shall be furnished and applied by the Contractor.  
 All I Beam Splices shall be subpunched 1/8" and reamed to proper size.  
 All I Beams shall be assembled to their proper grade and alignment, with or without diaphragms, and inspected and reamed while so assembled.  
 Rollings shall be adjusted to true alignment after Curbs have been poured. All Rail Posts shall be vertical.  
 All Rockers, Bearing Keels, Lead Ls, Pintles and Anchor Bolts shall be furnished, painted and set in accordance with Article 51.14 of the Standard Specifications and are included for payment as Structural Steel. Estimated Height of this Steel is 12,350 lbs.  
 Anchor Bolts shall be set before riveting diaphragms over abutments and piers.  
 Expansion Guards shall be fabricated and erected in accordance with Article 51.12(d) of the Standard Specifications.  
 All Metal Handrail, including Rail Post Anchors, is included for payment as Metal Handrail. The number of lineal feet is measured face to face of concrete and posts.  
 The Contractor Unit Price for metal handrail includes installing and painting the Handrail.  
 The Contractor shall drive 4 Test Piles, in permanent locations, as shown on plans before ordering or casting the remainder of Piles.  
 Welding shall comply with Article 55.4(c) of the Std. Specs.  
 Back of Abutments and Wing Walls from top of embankment to bottom of walls shall be waterproofed in accordance with Article 51.20 of the Standard Specifications.  
 Boring Data are given on the plans only as a guide to Bidders in estimating soil conditions which may be encountered in the work.

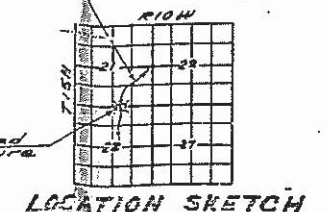


TOTAL BILL OF MATERIAL

ITEM	SUPER	SUB	TOTAL	TOTAL
			SEC. 1108	SEC. 3108
Class X Concrete	Cu.Yds	2076	444.6	622.8
Handrail Concrete	Cu.Yds	18		18
Reinforcement Bars	Lbs.	37,770	21,500	63,270
Structural Steel	Lbs.	195,380		195,380
Metal Handrail	Lin. Ft.	259		259
Name Plates	EA	1		1
16" Precast Concrete Piles	EA		860	690
16" Precast Conc. Test Piles	EA		2	2
Class A Excavation for Street Cuts	Cu.Yds		1,080	1,080
Class B Excavation for Street Cuts	Cu.Yds		620	620
Channel Excavation	Cu.Yds		3,500	3,500
Removal of Existing Structure	EA			1
Untreated Timber Piles	Lin. Ft.		4,450	4,450
Test Piles (Timber)	EA		2	2
Temporary Steel Sheet Piling	Sq. Ft.		3,760	3,760

WATERWAY INFORMATION

Drainage Area - 21,600 Acres  
 Character - Rolling, Cultivated  
 Required Opening (35 Yr. Flood) - 1200 cfs  
 Present Opening - 430 cfs  
 Proposed Opening - 1885 cfs



STANDARD STRESSES  
 fc = 1400 p.s.i. Super  
 fo = 200 p.s.i. Sub.  
 fs = 20,000 p.s.i. Reinfr.  
 fs = 18,000 p.s.i. Struct.  
 n = 10  
 Loading H20-S16-44

STATION 11+41  
 BUILT 195 BY  
 STATE OF ILLINOIS  
 S.B.I. NO. 10-362,332R  
 R.A. PROJECT 0-45100  
 LOADINGS H20-S16  
 FROM DATA  
 2000 5/11/10

GENERAL PLAN ELEVATION  
 BRIDGE OVER  
 MOUVAISE TRUCK CREEK  
 S.B.I. NO. 10-362,332R  
 R.A. PROJECT 0-45100  
 MORGAN COUNTY  
 STATION 11+41

DESIGNED: Rogner  
 CHECKED: OK  
 DRAWN: J. Whalley/Sandaval  
 CHECKED: J.K. H. Clough  
 EXAMINED: MAR 13 1956  
 PASSED: [Signature]  
 APPROVED: [Signature]