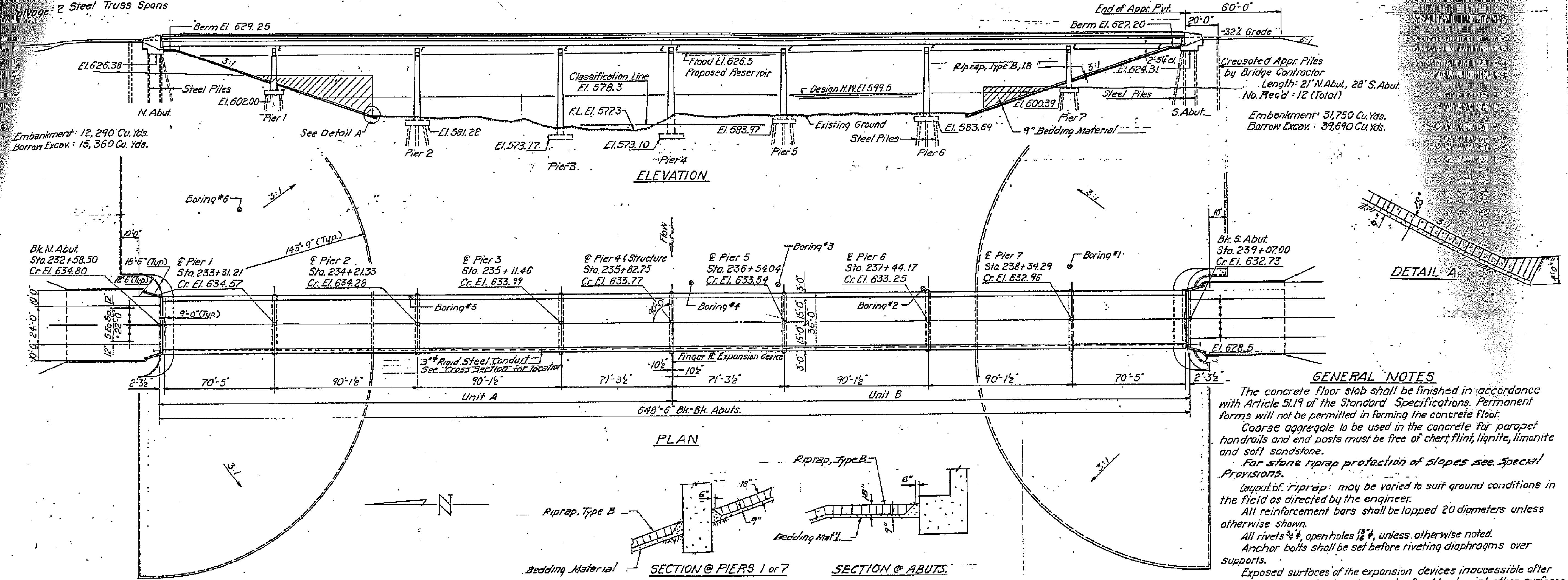


STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

MINI-W Corner Conc. Bridge rail, Lt. Sta. 233+62, El. 614.34 Hubguard  
South end of bridge, Lt. Sta. 237+77.2, El. 603.06  
existing Structure: 2 Steel Truss & 4 R.C.D.G. Superstr. to be removed by  
Contractor before new construction.  
Bridge: 2 Steel Truss Spans



**GENERAL NOTES**

The concrete floor slab shall be finished in accordance with Article 51.19 of the Standard Specifications. Permanent forms will not be permitted in forming the concrete floor.

Coarse aggregate to be used in the concrete for parapet handrails and end posts must be free of chert, flint, lignite, limonite and soft sandstone.

For stone riprap protection of slopes see Special Provisions.

Layout of riprap may be varied to suit ground conditions in the field as directed by the engineer.

All reinforcement bars shall be lapped 20 diameters unless otherwise shown.

All rivets 1/4", open holes 1/8", unless otherwise noted.

Anchor bolts shall be set before riveting diaphragms over 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 coat of red lead paint. Anchor studs shall not be painted.

Expansion devices are included in the quantity of structural steel. Estimated Weight 7190 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 Art. 56.1 to 56.5 inclusive of the Standard Specifications.

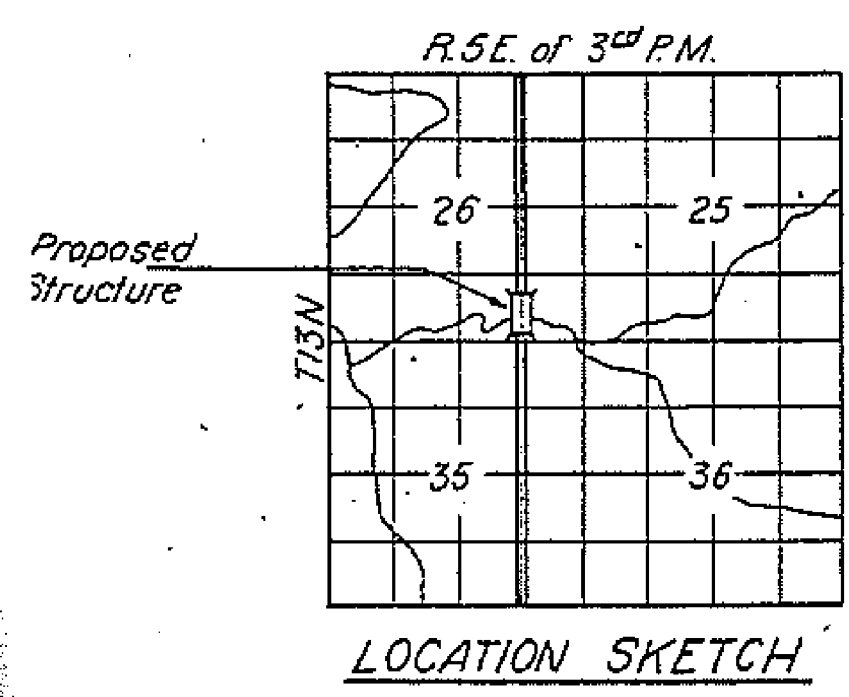
All structural steel shall conform to A.S.T.M. A-36 Specifications for structural steel, except as noted.

Steel piles through embankment shall be driven in precored holes in accordance with Art. 60.9(c) of the Standard Specifications. The contractor shall drive steel test piles, one each, at Piers 2, 5 and 5. Abut. in permanent locations as directed by the Engineer, before ordering the remaining piles.

Excavation for portions of structures in the embankments shall not be classified.

**WATERWAY INFORMATION**

Drainage Area	408,691 Acres
Character	Level, Rolling, Cultivated
Required Opening (30Yr.Fl.)	5,800 Sq. Ft.
Present Opening	3,940 Sq. Ft.
Proposed Opening	5,800 Sq. Ft.
Ordinary Water Elev.	579.4
Low Water Elev.	577.3



BRIDGE RA-37 STA. 235+82.75  
STATE OF ILLINOIS  
S.D.I. RTE. 32 SEC. 2BR  
U.S. ARMY  
CORPS OF ENGINEERS  
ST. LOUIS DISTRICT  
BUILT 196 H20-S16

**NAME PLATE**  
Std. 2113-1 except as shown

**DESIGN STRESSES**

$f_c = 1400$  psi. Super. & Sub.  
 $v = 75$  psi. Flgs.  
 $f_s = 20,000$  psi. Reinf.  
 $f_s = 20,000$  psi. Struct.  
 $n = 10$

**TOTAL BILL OF MATERIAL**

Item	Unit	Super	Sub	Total
Borrow Excavation	Cu. Yds.			55,050
Removal of Existing Structures	Ea.			1
Class A Excavation for Structures	Cu. Yds.		510	510
Class B Excavation for Structures	Cu. Yds.		200	200
Class X Concrete	Cu. Yds.	712.2	1021.1	1733.3
Protective Coat	Sq. Yds.	2930		2930
Structural Steel	Lbs.	671,610		671,610
Aluminum Handrail	Lin. Ft.	1290		1290
Reinforcement Bars	Lbs.	153,160	72,400	225,560
Creosoted Piles (20.1'-38')	Lin. Ft.			294
Steel Piles (10 BP42)	Lin. Ft.		3,730	3,730
Test Piles Steel (10BP42)	Ea.		3	3
Name Plates	Ea.		1	1
** Bridge Seal Sealant	Jump sum.		1	1
Galv. Steel Conduit, Attached to Bridge 3"	Lin. Ft.	656		656

\*\* For Pier 4 and Abutments only

DESIGNED J. M. Young  
CHECKED J. M. Young  
DRAWN W. R. Deason  
CHECKED J. M. J.

EXAMINED [Signature]  
PASSED [Signature]  
APPROVED [Signature]

FEB. 7 1964



USER NAME = jerojas	DESIGNED - JSR	REVISED -
PLOT SCALE = N/A	CHECKED - BHS	REVISED -
PLOT DATE = 9/16/2014	DRAWN - MJB	REVISED -
	CHECKED - BPS	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS  
STRUCTURE NO. 070-0015

FOR INFORMATION ONLY

KASKASKIA RIVER  
GENERAL PLAN & ELEVATIONS  
S.B.I. RTE. 32 SEC. 2BR  
MOULTRIE COUNTY  
STA. 235 + 82.75

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
762	(2BR)BR-1	MOULTRIE	48	45
			CONTRACT NO. 74357	

ILLINOIS FED. AID PROJECT