

52F

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION.

PROJECT NO.	SECTION	DATE	SCALE	SHEET NO.	TOTAL SHEETS
177	177	1/7	1/7	45	20 SHEETS

GENERAL NOTES

All reinforcement bars shall be lapped 2d diameters unless otherwise shown.
Fasteners shall be high strength bolts. Bolts 3/4" diam holes 1/2", unless otherwise noted.
Calculated weight of Structural Steel = 138,700 Lbs.
The basic lead silico chromate paint system shall be used for shop and field painting of New Structural Steel.
Exist. Struct. Steel shall be field painted with two coats of basic lead silico chromate paint.
Anchor bolts shall be set before bolting diaphragms over supports.
The Contractor shall drive one steel test pile each in the following locations as directed by the Engineer before ordering the remainder of piles: North Abutment (Steel Test Pile HPDx36), South Abutment (Steel Test Pile HPDx36), Bent 1 (Steel Test Pile HP10x42) and Bent 2 (Steel Test Pile HP10x42).
It shall be the responsibility of the Contractor to verify all dimensions and conditions existing in the field prior to construction and ordering of materials.
The concrete rail section above the mandatory construction joint of the top of the slab shall be constructed of Class X Concrete, except the aggregates shall conform to the requirements of Handrail Concrete.
Protective Coat shall not be applied to surfaces to which Waterproofing Membrane System is applied.
Expansion bolts shall consist of self drilling expansion anchors, and 3/4" x 12" hooked bolts.
Limits of Waterproofing Membrane System shall be end of end of deck and face of curb to face of median.
Field welding of construction accessories will not be permitted in the bottom flange of beams or girders nor to the top flange for a distance equal to one-fourth the span length each way from the pier supports. Field welding in other areas will be permitted only when approved by the Engineer.
Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Ties for adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims.
The main load carrying members components shall conform to the Supplemental Requirements for Notch Toughness Zone 2. These components are the wide-flange beams and all splice plate material.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Structure Excavation	Cu Yd	60		60
Continuous Concrete Surface Course, Class I	Ton	113		113
Concrete Removal	Cu Yd	26	5	31
Expansion Bolts 3/4"	Each	18		18
Protective Coat	Sq Yd	360		360
Class X Concrete	Cu Yd	284	138	423
Structural Steel	Lin. Ft.	276		276
Aluminum Rolling	Lin. Ft.	73,130	12,800	85,930
Reinforcement Bars	Lin. Ft.	216		216
Steel Piles (HPDx36)	Each			2
Test Piles Steel (HPDx36)	Each			2
Steel Piles (HP10x42)	Lin. Ft.		1204	1204
Test Piles Steel (HP10x42)	Each			2
Form Plates	Each	1		1
Waterproofing Membrane System	Sq Yd	849		849
Bridge Handrail Removal	Lin. Ft.	244		244
Cleaning and Painting Steel Bridge	Sq. Yds.	5		5
Deck Slab Repair (7 to 24 Depth)	Sq. Yds.			

* Removal of concrete posts in existing handrail shall be included in the cost of Bridge Handrail Removal.
** Includes Existing Steel only.

Note:
Work this sheet with sheet #1.

DESIGNED: *Stacy S. Linn*
CHECKED: *John J. Edwards*
DRAWN: *R. Doty*
DATE: *9/9*

EXAMINED: *John J. Edwards*
DATE: *7/10/77*
APPROVED: *Richard A. Holtzman*

GENERAL PLAN & ELEVATION
FAR RT. 805 SEC. 147B-1
ST. CLAIR COUNTY
STA. 101+03.82

FOR INFORMATION ONLY