

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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GENERAL NOTES

1. Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts $\frac{3}{4}$ in. dia., holes $\frac{15}{16}$ in. dia., unless otherwise noted.
2. Calculated weight of structural steel = 424,850 lbs. Grade 50 and 44,510 lbs. Grade 36.
3. No field welding is permitted except as specified in the contract documents.
4. Reinforcement bars shall conform to the requirements of ASTM A706 Gr 60. See Special Provisions.
5. Reinforcement bars designated (E) shall be epoxy coated.
6. If the Contractor elects to use cantilever forming brackets on the exterior girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and the first interior beam at each of these additional bracket locations.
7. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ in. (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
8. Concrete sealer shall be applied to the abutment backwalls, bearing seats and exposed front face of stems.
9. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
10. The inorganic Zinc Rich Primer/Acrylic/Acrylic Paint System shall be used for shop and field painting of the new structural steel except where otherwise noted. The color of the final finish coat for all interior steel surfaces shall be Gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Gray, Munsell No. 5B 7/1. See Special Provision for "Cleaning and Painting New Metal Structures."
11. Slipforming of the parapets is not allowed.
12. The limits of the Protective Shield shall be the full width of the existing deck and the length shall be face to face of existing abutment and pier in each span.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Cu Yd		688	688
Removal of Existing Structures No. 1	Each		1	1
Protective Shield	Sq Yd	1,402		1,402
Structure Excavation	Cu Yd		4,379	4,379
Concrete Structures	Cu Yd		1,254.6	1,254.6
Concrete Superstructure	Cu Yd	825.8		825.8
Bridge Deck Grooving	Sq Yd	1,521		1,521
Form Liner Textured Surface	Sq. Ft.		4,600	4,600
Protective Coat	Sq Yd	1,998		1,998
Furnishing and Erecting Structural Steel	L SUM	1		1
Stud Shear Connectors	Each	3,771		3,771
Reinforcement Bars, Epoxy Coated	Pound	150,930	199,260	350,190
Bar Splicers	Each	119		119
Bridge Fence Railing	Foot	286		286
Bridge Fence Railing (Sidewalk)	Foot	287		287
Furnishing Metal Shell Piles 14" x 0.312"	Foot		9,225	9,225
Furnishing Steel Piles HP 14X89	Foot		3,744	3,744
Driving Piles	Foot		12,969	12,969
Test Pile Metal Shells	Each		1	1
Pile Shoes	Each		39	39
Name Plates	Each	1		1
Preformed Joint Strip Seal	Foot	122		122
Elastomeric Bearing Assembly, Type I	Each		15	15
Anchor Bolts, $\frac{3}{4}$ "	Each		16	16
Anchor Bolts, 1"	Each		14	14
Anchor Bolts, $1\frac{1}{4}$ "	Each		16	16
Concrete Sealer	Sq. Ft.		3,140	3,140
Geocomposite Wall Drain	Sq Yd		564	564
Pipe Underdrains For Structures 4"	Foot		288	288
Braced Excavation	Cu Yd		163	163
Drainage Scuppers, DS-12	Each	4		4
Temporary Soil Retention System	Sq. Ft.		1,521	1,521
Drainage System	L. Sum	1		1
Mechanical Splicers	Each		830	830

STATION 8+01.54
BUILT BY
STATE OF ILLINOIS
F.A.I. RTE. 64 SEC.82-1-2HB
LOADING HL-93
STRUCTURE NO. 082-0377

NAME PLATE
See Std. 515001

GENERAL DATA
STRUCTURE NO. 082-0377

ZROKA engineering
Zzoka Engineering, P.C.
4216 North Hermitage
Chicago, IL 60613

DESIGNED	LAS
CHECKED	JLA
DRAWN	SAW
CHECKED	LAS

3-31-2010

SHEET NO. 2	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	64	82-1-2HB	ST. CLAIR	345	209
44 SHEETS	CONTRACT NO. 76C49			ILLINOIS FED. AID PROJECT	

REVISED 4/15/2010