

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

- 1 - GENERAL PLAN AND ELEVATION
- 2 - INDEX OF DRAWINGS, TOTAL BILL OF MATERIAL & GENERAL NOTES
- 3 - CONSTRUCTION STAGING DETAILS
- 4 - FOOTING LAYOUT AND TEMPORARY SHEET PILING DETAILS
- 5 - SLOPEWALL & SECTION THRU ABUTMENT DETAILS
- 6 - REMOVAL PLAN AND DETAILS
- 7 - TOP OF DECK ELEVATION I
- 8 - TOP OF DECK ELEVATION II
- 9 - TOP OF DECK ELEVATION III
- 10 - SUPERSTRUCTURE PLAN & CROSS SECTION
- 11 - SUPERSTRUCTURE DETAILS
- 12 - PREFORMED JOINT STRIP SEAL DETAILS
- 13 - FRAMING PLAN
- 14 - GIRDER DETAILS I
- 15 - GIRDER DETAILS II
- 16 - DIAPHRAGM DETAILS
- 17 - BEARING DETAILS
- 18 - WEST ABUTMENT DETAILS
- 19 - SOUTHWEST WINGWALL DETAILS I
- 20 - SOUTHWEST WINGWALL DETAILS II
- 21 - NORTHWEST WINGWALL DETAILS I
- 22 - NORTHWEST WINGWALL DETAILS II
- 23 - EAST ABUTMENT DETAILS
- 24 - EAST ABUTMENT WINGWALL DETAILS
- 25 - PIER DETAILS
- 26 - STEEL H PILES
- 27 - BAR SPLICER ASSEMBLY DETAILS
- 28 - TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
- 29 - BRIDGE APPROACH PAVEMENT PLAN & CROSS SECTION
- 30 - BRIDGE APPROACH PAVEMENT DETAILS
- 31 - TOP OF WEST APPROACH SLAB ELEVATIONS
- 32 - TOP OF EAST APPROACH SLAB ELEVATIONS
- 33 - SOIL BORING LOGS I
- 34 - SOIL BORING LOGS II

GENERAL NOTES

1. Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts $\frac{7}{8}$ " ϕ , open holes $\frac{5}{16}$ " ϕ , unless otherwise noted.
2. Calculated weight of Structural Steel = 403,400 lbs
3. No field welding is permitted except as specified in the contract documents.
4. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
5. Reinforcement bars designated (E) shall be epoxy coated.
6. 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.
7. Concrete Sealer shall be applied to the designated areas of the abutments.
8. The Organic Zinc Rich Primer / Epoxy / Urethane Paint System shall be used for painting of new structural steel except where otherwise noted. The entire system shall be shop applied, with the exception that masked off connection surfaces, field installed fasteners and damaged areas shall be touched up in the field. 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 YR 7/1. See Special Provision for "Cleaning and Painting New Metal Structures".
9. The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
10. The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of the piles.
11. Slipforming of the parapets is not allowed.
12. The existing structural steel coating contains lead. The contractor shall take appropriate precautions to deal with the presence of lead on this project.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structures	Each	-	-	1
Protective Coat	Sq Yd	1,322	55	1,377
Concrete Superstructure	Cu Yd	539	-	539
Concrete Structures	Cu Yd	-	543	543
Name Plates	Each	1	-	1
Prefomed Joint Strip Seal	Foot	115	-	115
Elastomeric Bearing Assembly, Type I	Each	16	-	16
Protective Shield	Sq Yd	1,018	-	1,018
Furnishing and Erecting Structural Steel	L Sum	1	-	1
Bridge Deck Grooving	Sq Yd	1,022	-	1,022
Stud Shear Connectors	Each	6,960	-	6,960
Reinforcement Bars, Epoxy Coated	Pound	117,522	84,498	202,020
Structure Excavation	Cu Yd	-	157	157
Concrete Sealer	Sq Ft	-	1531	1531
Slope Wall 4 Inch	Sq Yd	-	494	494
Geocomposite Wall Drain	Sq Yd	-	274	274
Test Pile Steel HP 12 x 53	Each	-	1	1
Furnishing Steel Piles HP 12 x 53	Foot	-	513	513
Driving Piles	Foot	-	513	513
Pile Shoes	Each	-	20	20
Pipe Underdrains for Structures 4 Inch	Foot	-	247	247
Bar Splicers	Each	-	303	303
Mechanical Splicers	Each	-	120	120
Porous Granular Embankment, Special	Cu Yd	-	139	139
Temporary Sheet Piling	Sq Ft	-	163	163
Rock Excavation For Structures	Cu Yd	-	349	349
Concrete Encasement	Cu Yd	-	7	7
Anchor Bolts 1 1/2"	Each	-	32	32
Anchor Bolts 2"	Each	-	16	16
Pile Extraction	Each	-	8	8
Temporary Support System	L Sum	-	1	1
Temporary Soil Retention System	Sq Ft	-	207	207

The existing rocker bearings at the abutments, as well as the most corroded and least corroded bearing at Pier 2, shall be salvaged. This salvage shall include the rocker/bolster, top and bottom bearing plates, any shim plates, and anchor bolts. The bearing components shall be identified with substructure unit and beam line markings such that they can be re-assembled at a future date. The bearings shall be delivered to the Columbia Maintenance Yard; Field Technician Mark Harris; Phone # 618-281-4565.

See Sheet 2 for salvage details.

STATION 110+99.40
BUILT BY
STATE OF ILLINOIS
F.A. RT. 158 SEC. 67-1HBR
LOADING HL-93
STR. NO. 067-0042

NAME PLATE
See Std. 515001

INDEX OF DRAWINGS, BILL OF MATERIAL & GENERAL NOTES
STRUCTURE NO. 067-0042

SHEET NO. 2	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34 SHEETS	809	67-1HBR	Monroe	144	66
CONTRACT NO. 76977					
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					

DESIGNED - JPM
CHECKED - WPM
DRAWN - GAP
CHECKED - JPM, WPM



9-28-09

Rev. 2-19-10
Rev. 2-11-10