

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00016-00-BT	MADISON	310	238
FED. ROAD DIST. NO.	ILLINOIS CONTRACT NO.		97433	

GENERAL NOTES

Treated timber shall be according to Sections 507 and 1007 of the Standard Specifications. Wood members shall be visually graded No. 1 Southern Pine or No. 2 Douglas Fir - Larch, or approved equivalent.

Plan dimensions and details relative to existing structure are subject to nominal construction variations. It shall be the contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work; however, the contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Bolt holes in lumber shall be in accordance with Article 507.08 of the IDOT Standard Specifications.

All dimensions are shown in inches unless otherwise noted.

Lumber sizes shown are nominal dimensions in inches. Lumber shall be surfaced four sides.

Holes for all hardware shall be predrilled to avoid splitting.

All Structural Steel, including angles, steel tubing and plates, shall conform to AASHTO M270 in accordance with Article 1006.04 and shall be hot dipped galvanized according to AASHTO M232.

See Bikeway Plans for underground utility locations.

Outlet pipe shall extend until intersecting with the side slopes and day lights. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101)

See Bikeway Plans for profile grade of trail.

Bolts and lag screws shall conform to ASTM A307. All hardware including anchors, plates, bolts, screws, nails, nuts and washers, etc. shall be stainless steel in accordance with Article 1006.17 of the IDOT Standard Specifications, unless otherwise noted.

Payments for furnishing all material & labor necessary to construct the rub rail, including the plates, steel tubing, angles, Hot Dipped Galvanizing, field drilling existing structural steel, cleaning and painting contact surface areas of existing structural steel, timber rail, bolts and all other appurtenances and incidental work as shown, complete in place, will be considered completely covered by the contract unit price for Rub Rail per foot.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

"Cleaning and painting of the existing structural steel shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures". All existing steel shall be cleaned per Near White Blast Cleaning - SSPC-SP10. All existing steel shall be painted according to the requirements of Paint System 1 - OZ/E/U. The color of the final finish coat for all interior steel surfaces shall be approved by the Madison County Transit District. The color of the final finish coat for the exterior steel surfaces, top flange and bottom flange of the through girders shall be Interstate Green (Munsell No. 7.5G 4/8)."

The designated areas to be cleaned and painted shall be the exposed surfaces of the existing through girders and misc. steel attachments from back of abutment to back of abutment.

Payments for furnishing all material and labor necessary to construct the concrete overlay including concrete and epoxy coated reinforcement bars and all other appurtenances and incidental work as shown, complete in place, will be considered completely covered by the contract unit price for Bridge Deck Concrete Overlay per square yard.

DESIGN SPECIFICATIONS

2002 AASHTO, 17th Edition
1997 AASHTO Guide Specifications for Design of Pedestrian Bridges

LOADING

Pedestrian Live Load = 85 psf
Vehicle Live Load = H-15

DESIGN STRESSES

FIELD UNITS


f'c = 3,500 psi (Concrete)
fy = 36,000 psi (Structural Steel)
fy = 45,000 psi (Bolts, Nuts, etc.)

Design stresses for wood members shall be as specified in Section 1007 of the IDOT Standard Specifications.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Structural Repair of Concrete (Depth Equal to or less than 5 inches)	Sq Ft	121
Aggregate Base Course, Type A	Cu Yd	123
Hot Mix Asphalt Surface Course, Mix "C", N50	Ton	20
Waterproofing Membrane System	Sq Yd	236
Pipe Underdrains for Structures 4"	Foot	358
Rub Rail	Foot	261
Pavement Removal (Special)	Sq Yd	180
Cleaning and Painting Steel Bridge No. 1	Lump Sum	1
Containment and Disposal of Lead Paint Cleaning Residues No. 1	Lump Sum	1
Bridge Deck Concrete Overlay	Sq Yd	35
Wood Rail	Foot	24

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 Juneau Associates, Inc. P.C. CONSULTING ENGINEERS AND LAND SURVEYORS <small>7166 State Street, P.O. Box 1375 Granite City, Illinois 62040 Phone: (618) 381-1450 Fax: (618) 381-2545</small>		GENERAL NOTES GLEN CARBON HERITAGE BIKE TRAIL OVER INERSTATE 55 MADISON COUNTY STATION 389+60 STRUCTURE 12	
REVISIONS NO. DATE BY REMARKS		SCALE: NOT TO SCALE, FOLLOW DIMENSIONS	
DSN. BY: DB DATE: 10/18/12		SHEET	
OWN. BY: EER DATE: 10/18/12		238	
CHK'D: WWH DATE: 10/18/12		DGN NAME:	
JOB NO. E064403		DGN. NO. DF 310 SH15	