

Sheet No 2  
of 30 Sheets

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 1539	•	MACON	57	5
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		
		•00-00155-00-BR		

**GENERAL NOTES**

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction 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 scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer.

Any cracks that cannot be removed by grinding 1/4 inch deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

If the Contractor elects to use cantilever forming brackets on the exterior beams or 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 first interior beam at each of these additional bracket locations.

Cleaning and painting of the existing structural steel shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures".

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

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts (in painted areas and M164 Type 3 in unpainted areas). Bolts - 7/8 in.  $\phi$ , holes - 15/16 in.  $\phi$ , unless otherwise noted.

Field welding of construction accessories will not be permitted to the beams or girders.

Calculated weight of Structural Steel = 15,550 lbs.

Adjustments to the height of the Elastomeric Bearing Assemblies shall be made by grinding the bearing seat surface or by shimming the bearing. Two 1/8" adjusting shims, of the dimension of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims. For Type I Elastomeric Bearings, two 1/8" adjusting shims shall be provided for each bearing and placed as detailed.

All construction joints shall be bonded.

Anchor bolts shall be set before bolting diaphragms (bolting cross frames) over supports.

The structural steel bearing plates of the Elastomeric Bearing Assembly shall conform to the requirements of AASHTO M 270 Grade 50.

Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.

The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection. Forms for deck slab shall be removed prior to placement of bridge approach pavement.

Floor drains shall be located clear of all diaphragms and cross frames.

Finger plate expansion joints shall be assembled in their final relative position with the ends in place for shop inspection and acceptance.

The Contractor shall test the existing welds by non-destructive methods within 2 ft. of the end of the existing cover plates for cracks after removal of the existing concrete deck. Dye penetrant (PT), magnetic particle (MT), or other approved testing method shall be performed by qualified personnel approved by the Engineer. If cracks are found, report them to the Bureau of Bridges and Structures for disposition. The cost of testing is included in Removal of Existing Concrete Deck. The cost of crack repair, if necessary, will be paid for according to Article 109.04 of the Standard Specifications.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu Yd		29.7	29.7
Removal of Existing Concrete Deck	Each	1		1
Floor Drains	Each	88		88
Preformed Joint Strip Seal	Foot	81		81
Finger Plate Expansion Joint, 5"	Foot	38.3		38.3
Concrete Structures	Cu Yd		31.3	31.3
Concrete Superstructure	Cu Yd	836.2		836.2
Bridge Deck Grooving	Sq Yd	2645		2645
Protective Coat	Sq Yd	3410		3410
Elastomeric Bearing Assembly - Type I	Each		20	20
Elastomeric Bearing Assembly - Type II	Each		15	15
Formed Concrete Repair (Depth Equal to or Less Than 5")	Sq Ft		46.3	46.3
Furnishing and Erecting Structural Steel	Pound	15,550		15,550
Stud Shear Connectors	Each		4430	4430
Jack and Remove Existing Bearings	Each		35	35
Cleaning and Painting Steel Bridge	L Sum	1		1
Containment and Disposal of Lead Paint Cleaning Residues	L Sum	1		1
Reinforcement Bars, Epoxy Coated	Pound	233,080	4,690	237,770
Name Plates	Each	1		1
Bar Splicers	Each	74		74

WYCKLES ROAD OVER THE SANGAMON RIVER

**GENERAL NOTES AND BILL OF MATERIAL**

REVISIONS	FAS 1539	SECTION 00-00155-00-BR	DRAWN BY R KING	DATE 9/08
No. DATE INITIALS	STA 30+50.00	SN 058-3030	MACON COUNTY	CHECKED BY JMB
1				DATE 9/08
2				BOOK NUMBER <b>389</b>
3				PROJECT No. <b>4698</b>
4				SHEET No.
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