

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. /
s. b. 1, f. a. 646	(102) BR-2	Whiteside	69	21	25 SHEETS
FED. ROAD C	IST. NO. 7	LLINOIS FED. AID PROJECT-			
		CONTRAC	T NO.	64427	

## GENERAL NOTES

1. Fasteners shall be high strength bolts AASHTO M 164, Type 3 in unpainted areas and mechanically galvanized AASHTO M 164, Type 1 or 2 in painted areas. Bolts  ${}^{7}_{8}$ "  $\phi$ , open holes  ${}^{15}_{16}$ "  $\phi$ , unless

2. Calculated weight of Structural Steel = 167,230 pounds.

3. All structural steel shall be AASHTO M 270 Grade 50W.

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

5. Anchor bolts shall be set before bolting diaphragms over supports.

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

7. The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Notch Toughness Zone 2. These components are the wide flange beams and all splice plate material except fill plates.

8. Reinforcement bars shall conform to the requirements of AASHTO M 31 or M322 Grade 60. 9. Layout of slope protection system may be varied in the field to suit ground conditions as

10. Plan dimensions and details relative to existing structure have been taken from existing plans and some field measurements and 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 for the work.

11. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of b inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two 'a'' adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims. For Type 1 Elastomeric Bearings, two  $'_{\theta}$ adjusting shims shall be provided for each bearing and placed as detailed.

12. The contractor shall drive one test pile at the north abutment and one test pile at the south abutment in permanent locations as directed by the Engineer before ordering the remainder of piles. 13. Bridge Seat Sealer shall be applied to the seat area of the north and south abutments.

14. AASHTO M 270 Grade 50W structural steel shall only be painted, for a distance of three times the depth of the beams or girders (but not exceeding 10 feet) each way from the deck joints. All structural steel shall be cleaned as specified in the special provision for "Surface Preparation and Painting Requirements for Weathering Steel".

## TOTAL BILL OF MATERIAL

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ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Superstructures	Each	1		1
Concrete Structures	Cu. Yd.		100.6	100.6
Concrete Superstructure	Cu. Yd.	228.6		228.6
Reinforcement Bars, Epoxy Coated	Pound	53,200	9,470	62,670
Furnishing Metal Pile Shells 12"	Lin. Ft.		1736	1736
Driving and Filling Shells	Lin. Ft.		1736	1736
Test Pile Metal Shells	Each		2	2
Furnishing and Erecting Structural	L. Sum	1		1
Steel	2. 50///	. 1		-
Stud Shear Connectors	Each	3762		3762
Name Plates	Each	1		1
Stone Riprap, Class A4	Sq. Yd.		784	784
Protective Coat	Sq. Yd.	890		890
Structure Excavation	Cu. Yd.		280	280
Neoprene Expansion Joint 2"	Lin. Ft.	92		92
Filter Fabric <del>for use with Riprap</del>	Sq. Yd.		784	784
Temporary Sheet Piling	Sq. Ft.		1887	1887
Bridge Deck Grooving	Sq. Yd.	722		722
Floor Drains	Each	18		18
Bar Splicers	Each	648	44	692
Porous Granular Embankment (Special)	Cu. Yd.		124	124
Removal of Existing Substructures	Each		2	2
Elastomeric Bearing Assembly Type I	Each	. 18		18
Bridge Seat Sealer	Sq. Ft.		262	262



GENERAL PLAN AND ELEVATION IL RTE 40 OVER GREEN RIVER F.A.P. 646 SECTION (102)BR-2 WHITESIDE COUNTY STATION 674+77.63 S.N. 098-0018



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