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GENERAL NOTES

1. Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts. Bolts $\frac{3}{4}$ in. ϕ , holes $\frac{15}{16}$ in. ϕ , unless otherwise noted.
2. No field welding is permitted except as specified in the contract documents.
3. 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.
4. Reinforcement bars designated (E) shall be epoxy coated.
5. 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.
6. 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 can not be removed by grinding $\frac{1}{4}$ in. 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.
7. 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.
8. Concrete Sealer shall be applied to the top and front face of the new backwalls.
9. Cleaning and field painting of structural steel shall be done under a separate painting contract.
10. Existing structural steel shall only be cleaned and painted as required by the Special Provision for "Cleaning and Painting Contact Surface Areas of Existing Steel Structures."
11. All new structural steel shall be shop painted with an inorganic zinc rich primer per AASHTO M 300, Type 1.
12. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
13. The concrete superstructure shall be class BS concrete, except as follows, when the Steel Railing, Type SM is used in conjunction with concrete superstructure, the 14 day mix design shall be replaced by a 28 day mix design with a compressive strength of 5000 psi and a flexural strength of 800 psi prior to opening to traffic.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu. Yd.		23.8	23.8
Removal of Existing Concrete Deck	Each	1		1
Protective Shield	Sq. Yd.	2576		2576
Structure Excavation	Cu. Yd.		54	54
Concrete Structures	Cu. Yd.		33.7	33.7
Concrete Superstructure	Cu. Yd.	757.8		757.8
Bridge Deck Grooving	Sq. Yd.	2664		2664
Protective Coat	Sq. Yd.	3044		3044
Furnishing and Erecting Structural Steel	Pound	9930		9930
Stud Shear Connectors	Each	864		864
Reinforcement Bars, Epoxy Coated	Pound	177,580	5,950	183,530
Bar Splicers	Each	1976	100	2076
Steel Railing, Type SM	Foot	1364		1364
Name Plates	Each	1		1
Preformed Joint Strip Seal	Foot	72.0		72.0
Finger Plate Expansion Joint, 4"	Foot	36.0		36.0
Fabric Reinforced Elastomeric Trough	Foot	40.0		40.0
Elastomeric Bearing Assembly, Type II	Each	24		24
Anchor Bolts, 5/8"	Each	48		48
Concrete Sealer	Sq. Ft.	368		368
Granular Backfill for Structures	Cu. Yd.		53	53
Jack and Remove Existing Bearings	Each	24		24
Structural Steel Removal	Pound	6260		6260
Structural Repair of Concrete (Depth Equal to or Less than 5 inches)	Sq. Ft.		112	112
Temporary Sheef Piling	Sq. Ft.		373	373

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STATION 235+82.75
REBUILT 20 BY
STATE OF ILLINOIS
F.A.P. RTE. 762 SEC. (2BR)BR-1
LOADING HS-20
STRUCTURE NO. 070-0015

NAME PLATE
See Std. 515001

Existing Name Plate shall be cleaned and relocated next to new Name Plate. Cost included with Name Plates.
See Sheet S1 for Name Plate location.



USER NAME = jerojas	DESIGNED - JSR	REVISED -
	CHECKED - BHS	REVISED -
PLOT SCALE = N/A	DRAWN - MJB	REVISED -
PLOT DATE = 9/16/2014	CHECKED - BPS	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES, INDEX OF SHEETS & TOTAL BILL OF MATERIAL
STRUCTURE NO. 070-0015
SHEET NO. S2 OF 28 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
762	(2BR)BR-1	MOULTRIE	48	22
CONTRACT NO. 74357				
ILLINOIS FED. AID PROJECT				