

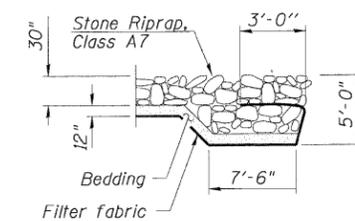
GENERAL NOTES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

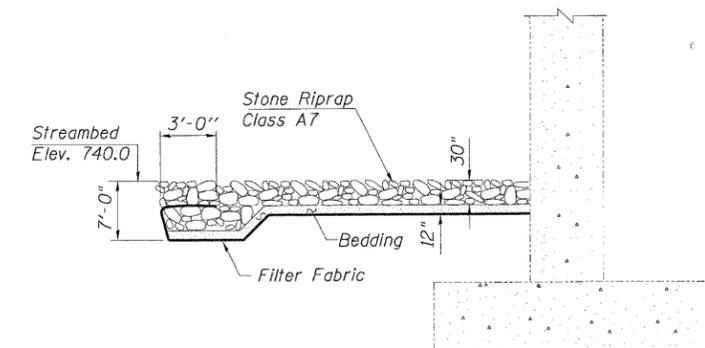
TOTAL BILL OF MATERIAL

1. Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts 7/8 in. ϕ , holes 15/16 in. ϕ , unless otherwise noted.
2. Calculated weight of Structural Steel = 12,520 Lb Gr 50
1,340 Lb Gr 36
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. If the Contractor elects to use cantilever forming brackets on the exterior beam 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.
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. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
9. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
10. The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. 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 Interstate Green, Munsell No. 7.5 G/8.
11. Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
12. All cross frames or diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual cross frames or diaphragms at supports may be temporarily disconnected to install bearing anchor rods.
13. Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.
14. The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M 270 Grade 36.
15. Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.
16. Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure.
17. Backfill shall be placed behind the abutment after the superstructure has been poured and falsework removed. See Article 502.10 of the Standard Specifications.
18. Existing reinforcement bars shall be cleaned and incorporated into the new construction. Cost included with "Concrete Removal".
19. The existing weep holes on the west abutment shall be cleaned out during construction. This work shall be included in the cost of "Structure Excavation".

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment (Special)	Cu Yd	-	15	15
Stone Riprap, Class A7	Sq Yd	-	97	97
Filter Fabric	Sq Yd	-	160	160
Removal of Existing Superstructures	Each	1	-	1
Concrete Removal	Cu Yd	-	2.5	2.5
Structure Excavation	Cu Yd	-	15	15
Concrete Structures	Cu Yd	-	24.2	24.2
Concrete Superstructures	Cu Yd	147.4	-	147.4
Bridge Deck Grooving	Sq Yd	290	-	290
Protective Coat	Sq Yd	375	-	375
Furnishing and Erecting Structural Steel	L Sum	1	-	1
Reinforcement Bars Epoxy Coated	Pound	31,140	4,230	35,370
Bar Splicers	Each	70	-	70
Name Plates	Each	1	-	1



SECTION A-A



SECTION THRU WINGWALL

GENERAL NOTES
EDGEWOOD DRIVE OVER
RATT CREEK
F.A.U. RTE. 4010
SECTION 09-00078-00-WR
MCHENRY COUNTY
STRUCTURE No. 056-3101
STA. 140+85.43

DESIGNED -	EXAMINED _____
CHECKED -	PASSED _____
DRAWN -	ENGINEER OF BRIDGE DESIGN
CHECKED -	ENGINEER OF BRIDGES AND STRUCTURES

SHEET NO. S-2 SHEETS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	4010	09-00078-00-WR	MCHENRY	128	60
CONTRACT NO. 63655					
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			