

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | | |
|-----------------------|---------|----------|------------------|-----------|--------------------------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | SHEET NO. 2 22 SHEETS |
| FAP 322 | 24BR-1 | FAYETTE | 57 | 22 | |
| FED. ROAD DIST. NO. 7 | | ILLINOIS | FED. AID PROJECT | | |

Contract # 94770

GENERAL NOTES

1. Fasteners shall be AASHTO M 164 Type I, mechanically galvanized bolts. Bolts $\frac{7}{8}$ " ϕ , holes $\frac{15}{16}$ " ϕ , unless otherwise noted.
2. Calculated weight of Structural Steel = 77910 lbs., Grade 50
7360 lbs., Grade 36
3. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ in. (0.01 ft.). Adjustment shall be made by grinding the surface or by shimming the bearings.
4. No field welding is permitted except as specified in the contract documents.
5. Reinforcement bars shall conform to the requirements of ASTM A706 Gr.60 (IL Modified). See Special Provisions.
6. Reinforcement bars designated (E) shall be epoxy coated.
7. The contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.
8. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
9. The existing structural steel coating contains lead. The Contractor shall take the appropriate precautions to deal with the presence of lead on this project.
10. Slipforming of the parapets is not allowed.
11. The Organic Zinc Rich Primer / Epoxy / Urethane Paint System shall be used for painting of new structural steel except where otherwise noted. The entire system shall be shop applied, with the exception that masked off connection surfaces, field installed fasteners and damaged areas shall be touched up in the field. 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 Gray, Munsell No. 5B 7/1. See Special Provision for "Cleaning and Painting New Metal Structures".

TOTAL BILL OF MATERIAL

| ITEM | UNIT | SUPER | SUB | TOTAL |
|--|---------|-------|-------|-------|
| Removal of Existing Structures | Each | | | 1 |
| Structure Excavation | Cu. Yd. | | 179 | 179 |
| Underwater Structure Excavation Protection--Location 1 | Each | | 1 | 1 |
| Underwater Structure Excavation Protection--Location 2 | Each | | 1 | 1 |
| Porous Granular Embankment (Special) | Cu. Yd. | | 128 | 128 |
| Geocomposite Wall Drain | Sq. Yd. | | 79 | 79 |
| Pipe Underdrains for Structures, 4" | Foot | | 127 | 127 |
| Filter Fabric | Sq. Yd. | | 773 | 773 |
| Stone Riprap, Class A4 | Sq. Yd. | | 773 | 773 |
| Pipe Drains, 4" | Foot | | 40 | 40 |
| Concrete Structures | Cu. Yd. | | 113.8 | 113.8 |
| Concrete Superstructure | Cu. Yd. | 178 | | 178 |
| Concrete Encasement | Cu. Yd. | | 9.8 | 9.8 |
| Furnishing and Erecting Structural Steel | L. Sum | 1 | | 1 |
| Stud Shear Connectors | Each | 2970 | | 2970 |
| Reinforcement Bars, Epoxy Coated | Pound | 41110 | 12520 | 53630 |
| Bridge Deck Grooving | Sq. Yd. | 491 | | 491 |
| Protective Coat | Sq. Yd. | 629 | | 629 |
| Drainage Scuppers, DS-11 | Each | 2 | | 2 |
| Temporary Sheet Piling | Sq. Ft. | | 1170 | 1170 |
| Furnishing Steel Piles, HP 12x53 | Foot | | 692.5 | 692.5 |
| Driving Piles | Foot | | 692.5 | 692.5 |
| Test Pile Steel, HP 12x53 | Each | | 4 | 4 |
| Pile Shoes | Each | | 28 | 28 |
| Anchor Bolts, 1" | Each | 48 | | 48 |
| Bar Splicers | Each | 454 | 84 | 538 |
| Name Plates | Each | 1 | | 1 |

STA. 228+67.40
BUILT 200_ BY
STATE OF ILLINOIS
F.A.P. RT. 322
SEC. 24BR-1
LOADING HS20
STR. NO. 026-0104

NAME PLATE
See Std. 515001

BENTON & ASSOCIATES, INC.

| |
|--------------|
| DESIGNED MBH |
| CHECKED NRF |
| DRAWN MBH |
| CHECKED NRF |

GENERAL NOTES & QUANTITIES
US 51 / RICHLAND CREEK
F.A.P. RT. 322
FAYETTE COUNTY
SN. 026-0104