GENERAL NOTES

Fasteners shall be AASHTO MI64 Type 1, mechanically galvanized bolts in painted areas and M164 Type 3 in unpainted areas. Bolts 3_4 in. ϕ , holes ${}^{13}_{16}$ in. ϕ , unless otherwise noted.

Calculated weight of Structural Steel = 244,070 lbs. Gr 50W. All structural steel shall be AASHTO M 270 Grade 50W. All structural steel shall be cleaned as specified in the Special Provision for "Surface Preparation and Painting Requirements for Weathering Steel".

No field welding is permitted except as specified in the contract documents. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

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.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of l_{B} in. (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.

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

Structural steel shall only be painted for a distance equal to the depth of embedment into the concrete cap plus 3 inches. Painted areas shall be primed in the shop with a Department approved zinc rich primer. Field painting will not be required.

Slopewall shall be reinforced with welded wire fabric, 6" x 6" - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.

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VAME SCALE NAME

FILE I PLOT USER



Floor Drains Concrete Structures Backfill with Porous Granular 10'' Embankment (Special) by Bridge Contractor after superstructure Protective Coat 2" Thick is in place. Rocker Plate Approach slab Bar Splicers Slopewall 4" All drainage system components shall extend to 2'-0" from Furnishing Steel Piles I the end of each wingwall except an outlet pipe shall extend W33 beam Test Pile Steel HP 12x until intersecting with the side slopes. The pipes shall drain (Composite) Excavation for placing Driving Piles into concrete headwalls. (See Article 60105 of the Standard Porous Granular Name Plates Specifications and Highway Standards 601101) Geocomposite Embankment (Special) Anchor Bolts, 1" ¢ Wall Drair is paid for as Structure Geocomposite Wall Drain 1'-0'' min-Excavation. 4" Concrete Geotechnical Fabric for Slopewall French Drains Braced Excavation * Drainage Aggregate Mechanical Splicers * Included in cost of Pipe Underdrains for structures. 4" ¢ Perforated € Brg.--pipe drain 2'-0" -Bk. of Abut. Coombe-Bloxdorf P.C. 05004-1 F.A.I. RTE. SECTION THRU INTEGRAL ABUTMENT CON C SHEET NO. 2 (Horiz, dim, @ Rt. | 's) \Box -CIVIL ENGINEERS-55 8/10/10 GB/MCB -STRUCTURAL ENGINEERS-42 SHEETS -LAND SURVEYORS-MML Design Firm License No. 184-002703 FED. ROAD DIST. NO.

TOTAL BILL OF MATERIAL ITE Porous Granular Embar Removal of Existing St Removal of Existing Str Protective Shield Structure Excavation

Concrete Superstructur Bridge Deck Grooving Concrete Encasement Furnishing and Erecting Stud Shear Connectors Reinforcement Bars. E

Pipe Underdrains for S Temporary Soil Retentio

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| М | UNIT | SUPER | SUB | TOTAL |
|--------------------|---------|---------|--------|---------|
| nkment (Special) | Cu. Yd. | | 256 | 256 |
| tructures No. 1 | Each | | | 1 |
| tructures No. 2 | Each | | | 1 |
| | Sq. Yd. | 791 | | 791 |
| | Cu. Yd. | | 592 | 592 |
| | Each | 32 | | 32 |
| | Cu. Yd. | | 424.6 | 424.6 |
| e | Cu. Yd. | 716.5 | | 716.5 |
| | Sq. Yd. | 1779 | | 1779 |
| | Cu. Yd. | | 8.4 | 8.4 |
| | Sq. Yd. | 2189 | | 2189 |
| g Structural Steel | L. Sum | 1 | | 1 |
| | Each | 7056 | | 70,56 |
| poxy Coated | Pound | 174,840 | 62,870 | 237,710 |
| | Each | 1566 | 348 | 1914 |
| | Sq. Yd. | | 2506 | 2506 |
| HP 12x53 | Foot | | 4256 | 4256 |
| 53 | Foot | | 4 | 4 |
| | Foot | | 4256 | 4256 |
| | Each | 2 | | 2 |
| | Each | 96 | | 96 |
| n | Sq. Yd. | | 156 | 156 |
| Structures, 4" | Foot | | 313 | 313 |
| on System | Sq. Ft. | | 288 | 288 |
| 1 8 10 10 10 | Cu. Yd. | | 816 | 816 |
| | Each | | 24 | 24 |
| | | | | |

| <u>GENERAL DATA</u> <u>STRUCTURE NO. 053-0187 (NB)</u> <u>STRUCTURE NO. 053-0186 (SB)</u> | | | | | | | |
|---|------------|-----------------|--------------|--|--|--|--|
| SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | | | | |
| 1) HBR & HBR-1 | LIVINGSTON | 102 | 21 | | | | |

ILLINOIS FED. AID PROJECT

CONTRACT NO. 66856