

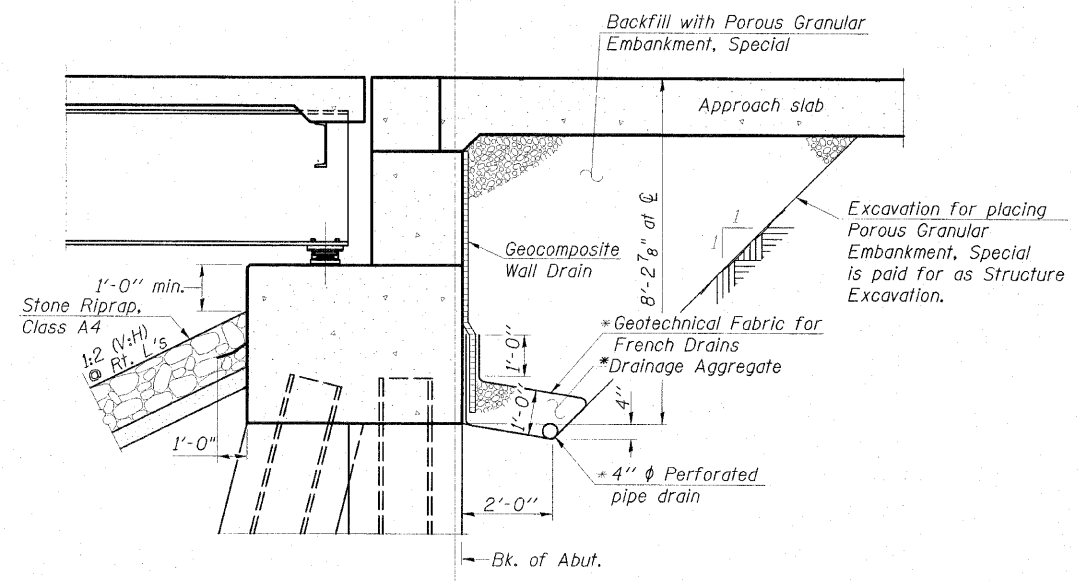
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

- Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts in painted areas and M164 Type 3 in unpainted areas. Bolts $\frac{1}{8}$ " ϕ , holes $\frac{15}{16}$ " ϕ , unless otherwise noted.
- Calculated weight of Structural Steel = 559,050 lbs.
- All structural steel shall be AASHTO M 270 Grade 50W except expansion joints which shall be AASHTO M 270 Grade 36. 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.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ " (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
- Concrete Sealer shall be applied to the designated areas of the abutments.
- All structural steel and exposed surfaces of bearings within a distance of 9 ft. each way from the deck joints shall be painted as specified in the Special Provision for "Surface Preparation and Painting Requirements for Weathering Steel".
- Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
- Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure.
- The Contractor is advised that the existing PPC Deck Beams are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the beams when developing construction procedures.
- If the Contractor's procedure for existing deck beam removal or placement of new deck beams involves placement of cranes or other heavy equipment on deck beams, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, prepared and sealed by an Illinois Licensed Structural Engineer, verifying that the equipment and procedure used will not overstress the deck beams.
- Temporary support beams are present under two PPC Deck Beams in Span 1 and under one PPC Deck Beam in Span 3. Removal of the support beams shall be included in Removal of Existing Structures.

TOTAL BILL OF MATERIAL

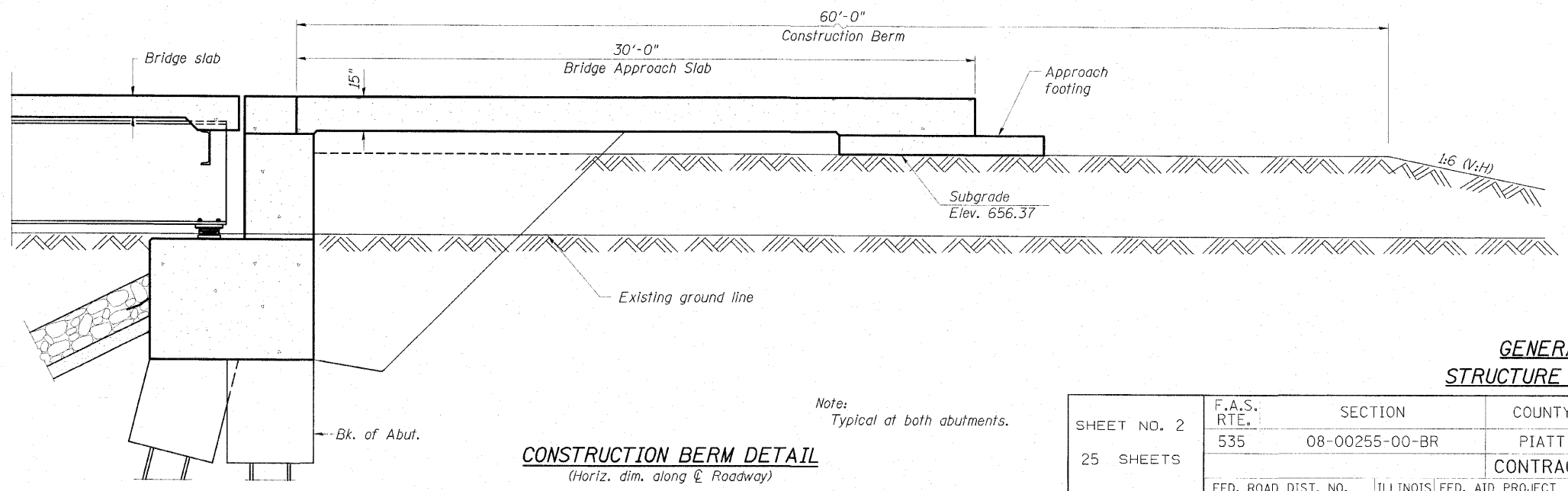
| ITEM | UNIT | SUPER | SUB | TOTAL |
|---|---------|---------|--------|---------|
| Porous Granular Embankment, Special | Cu. Yd. | | 110 | 110 |
| Stone Riprap, Class A4 | Sq. Yd. | | 530 | 530 |
| Filter Fabric | Sq. Yd. | | 530 | 530 |
| Removal of Existing Structures | Each | | | 1 |
| Structure Excavation | Cu. Yd. | | 355 | 355 |
| Concrete Structures | Cu. Yd. | | 246.6 | 246.6 |
| Concrete Superstructure | Cu. Yd. | 509.7 | | 509.7 |
| Bridge Deck Grooving | Sq. Yd. | 1,752 | | 1,752 |
| Concrete Encasement | Cu. Yd. | | 26.2 | 26.2 |
| Protective Coat | Sq. Yd. | 1,752 | | 1,752 |
| Furnishing and Erecting Structural Steel | L. Sum | | | 1 |
| Stud Shear Connectors | Each | 4,086 | | 4,086 |
| Reinforcement Bars, Epoxy Coated | Pound | 138,340 | 20,220 | 158,560 |
| Bar Splitters | Each | | | 60 |
| Steel Railing, Type SM | Foot | | | 995 |
| Furnishing Steel Piles HP14x73 | Foot | | 3,580 | 3,580 |
| Driving Piles | Foot | | 3,580 | 3,580 |
| Test Pile Steel HP14x73 | Each | | 6 | 6 |
| Name Plates | Each | 1 | | 1 |
| Preformed Joint Strip Seal | Foot | 60 | | 60 |
| Elastomeric Bearing Assembly, Type II | Each | 12 | | 12 |
| Anchor Bolts, 1" | Each | | 60 | 60 |
| Anchor Bolts, $\frac{1}{2}$ " | Each | | 12 | 12 |
| Concrete Sealer | Sq. Ft. | | 440 | 440 |
| Geocomposite Wall Drain | Sq. Yd. | | 60 | 60 |
| Pipe Underdrains for Structures 4" | Foot | | 120 | 120 |
| Underwater Structure Excavation Protection - Location 1 | Each | | 1 | 1 |
| Asbestos Bearing Pad Removal | Each | 36 | | 36 |



**SECTION THRU PILE SUPPORTED
STUB ABUTMENT**
(Horiz. dim. @ Rt. L's)

*Included in the cost of Pipe Underdrains for Structures.

Note:
All drainage system components shall extend parallel to the abutment back wall until they intersect the wingwalls or 2'-0" from the end of the wingwalls when the wings are parallel to the abutment. The pipe shall extend under the wingwall, if necessary, until intersecting the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 60110).



CONSTRUCTION BERM DETAIL
(Horiz. dim. along ϕ Roadway)

ESCA
CONSULTANTS, INC.

| | | |
|--------------|---------|-------|
| DESIGNED BY: | MTD | 11/09 |
| DRAWN BY: | DWH/HAS | 11/09 |
| CHECKED BY: | MTD | 11/09 |
| APPROVED BY: | RDP | 05/10 |

GENERAL DATA
STRUCTURE NO. 074-0085

| | | | | | |
|--------------------------|-------------|----------------|---------------------------|--------------|-----------|
| SHEET NO. 2 25 SHEETS | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 535 | 08-00255-00-BR | PIATT | 62 | 26 |
| FED. ROAD DIST. NO. | | | ILLINOIS FED. AID PROJECT | | |
| CONTRACT NO. 91436 | | | | | |