

GENERAL NOTES

Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer. The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at North Abutment

or approved by the Engineer before ordering the remainder of piles. Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure. The Contractor shall sawcut the upper portion of the existing abutment at the stage removal line before Stage I removal to ensure the remaining portion will not be prematurely damaged. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions. Excavation required to construct the Abutments shall be included

in the cost of Concrete Structures. No additional compensation will be allowed for Structure Excavation.

All proposed construction activities shall be in accordance with Nationwide Permit number 14 of the Department of the Army authorized under Section 404 of the Clean Water Act. The IEPA has issued Section 401 Water Quality Certification for this activity. See Special Provisions for conditions. The abutments shall be backfilled full width with porous granular enbankment from the bottom of the abutment cap to the subgrade elevation as directed by the Engineer. See sheets 30 & 31 for Borings.



SECTION A-A Note: See Special Provisions for Dumped Riprap and Porous Granular Embankment, Special.



I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO LRFD Specifications."

Muchael S. Beny 5/07/09 ILLINOIS STRUCTURAL NO. 081-4622

HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS

3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400 HØLK ECT NUMBER: 07.0435.130 DATE: 03/31/09

Porous Granular Embankment (Typ.) The cost of excavation for placing Porous Granular Embankment, Special is included with Porous Granular





TOTAL BILL OF MATERIAL

| ITEM | UNIT | SUPER | SUB | TOTAL |
|--|---------|-------|-------|-------|
| l Excavation | Cu. Yd. | | | 90 |
| Granular Embankment, Special | Ton | | | 100 |
| d Riprap | Ton | | | 110 |
| x Ashpalt Surface Course, Mix "C", N50 | Ton | 14 | | 14 |
| n of Existing Structures | Each | | | 1 |
| te Structures | Cu. Yd. | | 22.4 | 22.4 |
| t Prestressed Concrete Deck Beams (17'' Depth) | Sq. Ft. | 1,215 | | 1,215 |
| rcement Bars | Pound | | 2,560 | 2,560 |
| Ralling, Type S1 | Foot | 96 | | 96 |
| ning Metal Shell Piles 12''x 0.250'' | Foot | | 310 | 310 |
| Piles | Foot | | 310 | 310 |
| ile Metal Shells | Each | | 1 | 1 |
| Plates | Each | | 1 | 1 |
| roofing Membrane System | Sq. Yd. | 135 | | 135 |
| d Cement Mortar Fairing Course | Foot | 90 | | 90 |



Expires 11-30-2010

GENERAL PLAN AND ELEVATION STRUCTURE NO. 027-3439

| · · · · · · · · · · · · · · · · · · · | F.A.S. | SECTION | | COUNTY | TOTAL SHEETS | SHEET NO. | |
|---------------------------------------|---|----------------|--|----------|-----------------|--------------|--|
| | 340 | 09-00107-00-BR | | FORD | 32 | 23 | |
| | | | | CONTRACT | NO. 87 | 411 | |
| | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | | |