

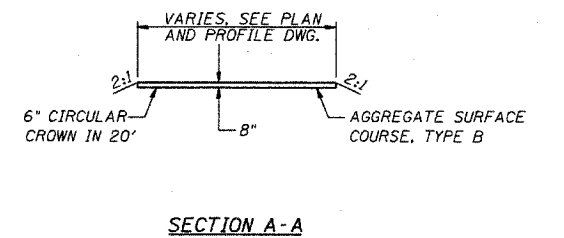
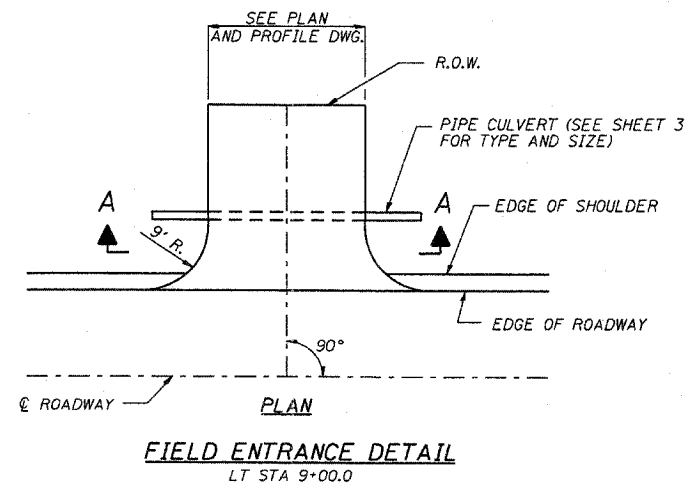
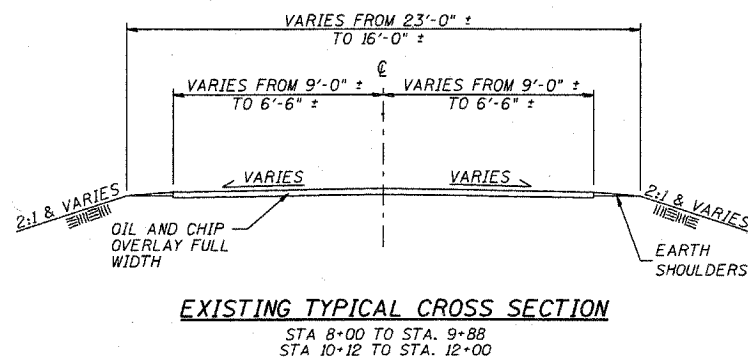
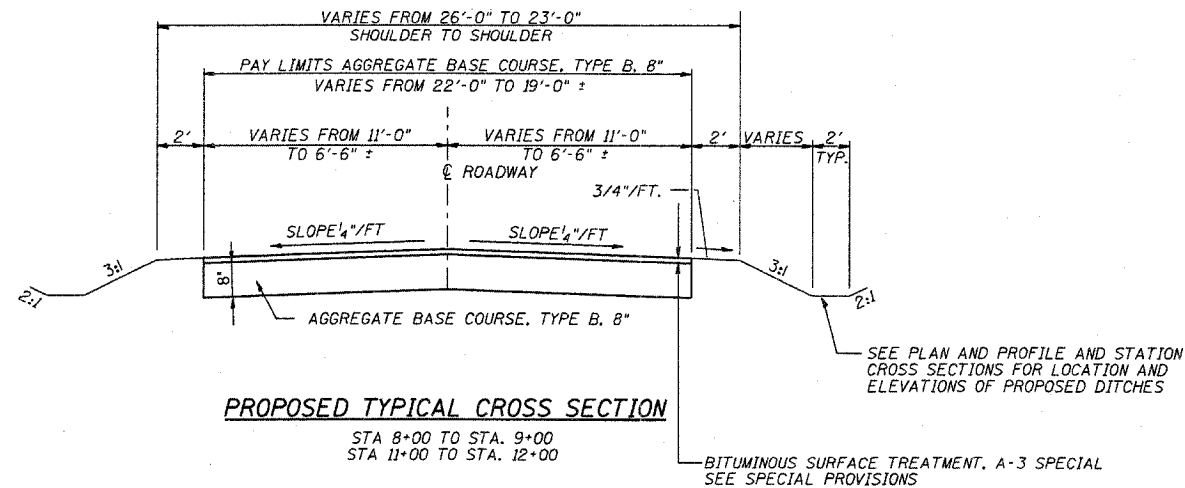
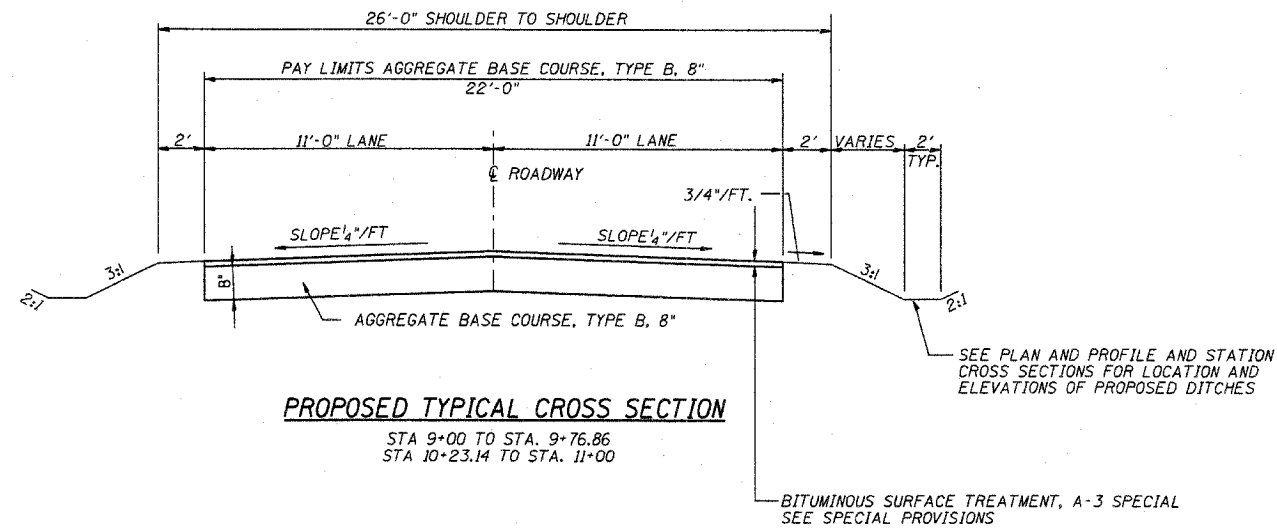
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|-----------------------|---------|-----------|--------------|------------------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| TR 373 | # | Vermilion | 19 | 2 |
| FED. ROAD DIST. NO. 7 | | ILLINOIS | | FED. AID PROJECT |
| *02-04130-00-BR | | | | |

SUMMARY OF QUANTITIES

X071-2A
TOTAL QUANTITIES

| CODE NO. | ITEM | UNIT | QUANTITIES |
|-----------|---|---------|------------|
| *20200100 | EARTH EXCAVATION | CU. YD. | 407 |
| 25000200 | SEEDING, CLASS 2 | ACRE | .31 |
| 25100115 | MULCH, METHOD 2 | ACRE | .31 |
| 28000250 | TEMPORARY EROSION CONTROL SEEDING | POUND | 375 |
| 28000300 | TEMPORARY DITCH CHECKS | EACH | 9 |
| 28000400 | PERIMETER EROSION BARRIER | FOOT | 770 |
| 35102000 | AGGREGATE BASE COURSE, TYPE B, 8" | SQ. YD. | 831 |
| *40200800 | AGGREGATE SURFACE COURSE, TYPE B | TON | 17 |
| *50100100 | REMOVAL OF EXISTING STRUCTURES | EACH | 1 |
| 50105220 | PIPE CULVERT REMOVAL | FOOT | 22 |
| 50200100 | STRUCTURE EXCAVATION | CU. YD. | 108 |
| 50300225 | CONCRETE STRUCTURES | CU. YD. | 18.8 |
| 50300255 | CONCRETE SUPERSTRUCTURE | CU. YD. | 48.4 |
| 50500105 | FURNISHING AND ERECTING STRUCTURAL STEEL | L. SUM | 1 |
| 50500505 | STUD SHEAR CONNECTORS | EACH | 612 |
| 50800105 | REINFORCEMENT BARS | POUND | 2,360 |
| 50800205 | REINFORCEMENT BARS, EPOXY COATED | POUND | 10,120 |
| 50900205 | STEEL RAILING, TYPE S-1 | FOOT | 90 |
| 51201400 | FURNISHING STEEL PILES, HP 10 X 42 | FOOT | 280 |
| 51202700 | DRIVING STEEL PILES | FOOT | 280 |
| 51203400 | TEST PILE, STEEL HP 10 X 42 | EACH | 2 |
| 51204600 | METAL SHOES | EACH | 8 |
| 51500100 | NAME PLATE | EACH | 1 |
| 54201483 | PIPE CULVERTS, TYPE 2, CORRUGATED STEEL OR ALUMINUM, CULVERT PIPE 18" | FOOT | 32 |
| 67100100 | MOBILIZATION | L.SUM | 1 |
| *XX004565 | GROUTED RIPRAP | SQ. YD. | 283 |
| *XX004566 | CONCRETE CUT-OFF WALL | CU. YD. | 5.7 |
| *XX005699 | BITUMINOUS SURFACE TREATMENT, A-3 SPECIAL | SQ. YD. | 831 |
| XX005977 | CONTROLLED LOW-STRENGTH MATERIAL (CLSM) | CU. YD. | 50 |
| Z0013798 | CONSTRUCTION LAYOUT | L. SUM | 1 |

*SEE SPECIAL PROVISIONS



GENERAL NOTES

- Fasteners shall be high strength bolts (AASHTO M 164, Type 3 in unpainted areas and mechanically galvanized AASHTO M 164, Type 1 or 2 in painted areas.) Bolts shall be 3/4" φ with 3/8" φ open holes, unless otherwise noted.
- Calculated weight of Structural Steel = 20,894 lbs.
- Field welding of construction accessories will not be permitted to beams or girders.
- Anchor bolts shall be set before bolting diaphragms over supports.
- The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Notch Toughness Zone 2. These components are the tension flanges in the webs.
- All structural steel shall meet the requirements of AASHTO M270, Grade 50W, ASTM A588, excluding fasteners and welds.
- All welds shall be E70XX.
- Reinforcement bars shall conform to the requirements of AASHTO M31 or M322 Grade 60.
- Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
- The Contractor shall drive 1 test pile in a permanent location at each abutment as directed by the Engineer before ordering the remainder of piles.
- AASHTO M 270 Grade 50W structural steel shall only be painted, at the ends of the beams, for a distance equal to the depth of embedment in the concrete cap plus 3 inches. Those areas shall be primed in the shop with an inorganic zinc rich primer per AASHTO M 300, Type 1. No field painting shall be required. All structural steel shall be cleaned as specified in the special provision for "Surface Preparation and Painting Requirements for Weathering Steel".
- The locations of existing utilities as shown on the plan are for information only, and are not guaranteed. It shall be the Contractor's responsibility to ascertain their exact location from the utility companies and by field inspection.
- See plan and profile sheet 4, for pavement and shoulder tapers.

| | | | | | |
|------|---------------|-----|------|----------|----|
| DSGN | K.J. Hoffmann | | | | |
| DR | K.J. Hoffmann | | | | |
| CHK | K.E. Brandau | | | | |
| APVD | K.E. Brandau | NO. | DATE | REVISION | BY |

FRAUENHÖFFER

Frauenhoffer and Associates, P.C. Consulting Engineers
3002 Crossing Court Champaign, IL 61822 217-351-6268

SUMMARY OF QUANTITIES, GENERAL NOTES, & TYP. SECTIONS

| | |
|----------|--------------|
| SHEET | 2 |
| DWG NO. | 5068-sum.dgn |
| DATE | FEB 2006 |
| PROJ NO. | 5068 |