| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 343 | 70HB-R-1 | COOK | 283 | 187 |
| STA. | TO STA. | | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

CONTRACT NO. 62897

## GENERAL NOTES

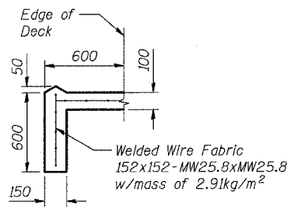
1. Fasteners shall be high strength bolts. Bolts M22, open holes 24 mm ϕ, unless otherwise noted.
2. Calculated weight of Structural Steel:
   AASHTO (M270M GR 345) = 185,270 kg (Erection Only-Included in Beam Fabrication Contract)
   AASHTO (M270M GR 250) = 11,850 kg (Erection Only- Included in Beam Fabrication Contract)
3. Field welding of construction accessories will not be permitted to girders.
4. Anchor bolts shall be set before bolting diaphragms over supports.
5. 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 and webs of the plate girders.
6. Reinforcement bars shall conform to the requirements of AASHTO M31M, M322M, Grade 400.
7. Slope wall shall be reinforced with welded wire fabric, 152x152-MW25.8xMW25.8, w/mass of 2.9lkg/m.
8. The contractor shall drive 2-305 mm metal shell test piles in a permanent location, one for each abutment as directed by the Engineer before ordering the remainder of the piles.
9. All dimensions are in millimeters (mm) except as noted.
10. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
11. All construction joints shall be bonded.
12. 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. 5HB 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Reddish Brown, Munsell No. 2.5YR 3/4. See Special Provision for "Cleaning and Painting New Metal Structures."
13. Slipforming of parapets containing conduit is not allowed.

## TOTAL BILL OF MATERIAL

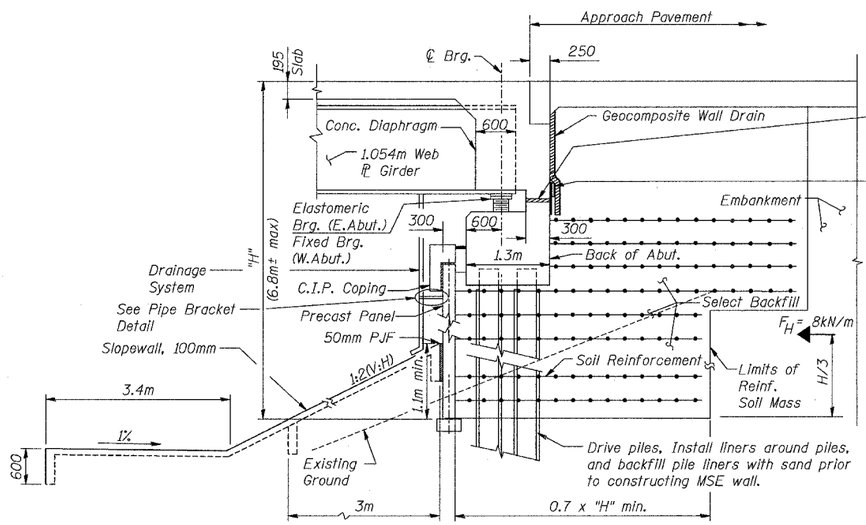
| ITEM | UNIT | SUB-STRUCT. | SUPER-STRUCT. | TOTAL |
|---|---|---|---|---|
| Removal of Existing Structures | EACH | | | 1 |
| Structure Excavation | CU M | 701 | | 701 |
| Concrete Structures | CU M | 111.2 | | 111.2 |
| Concrete Superstructure | CU M | | 345.2 | 345.2 |
| Bridge Deck Grooving | SQ M | | 1083 | 1083 |
| Protective Coat | SQ. M | | 1237 | 1237 |
| Erecting Elastomeric Bearing Assembly, Type I | EACH | | 11 | 11 |
| Erecting Structural Steel | L.S. | | 0.55 | 0.55 |
| Stud Shear Connectors | EACH | | 2409 | 2409 |
| Reinforcement Bars, Epoxy Coated | KG | 6110 | 47590 | 53700 |
| Furnishing Metal Shell Piles 305mm | METER | 1276 | | 1276 |
| Driving Piles | METER | 1276 | | 1276 |
| Test Pile Metal Shells | EACH | 2 | | 2 |
| Temporary Sheet Piling | SQ M | 11.9 | | 11.9 |
| Geocomposite Wall Drain | SQ M | | 75 | 75 |
| Name Plates | EACH | 1 | | 1 |
| Anchor Bolts, M24 | EACH | 44 | | 44 |
| Slopewall, 100MM | SQ M | 638 | | 638 |
| Temporary Mechanically Stabilized Earth Retaining Wall | SQ M | 61 | | 61 |
| Drainage Scuppers, DS-11 | EACH | | 3 | 3 |
| Drainage System No. 1 | EACH | | 1 | 1 |
| Bar Splicers | EACH | 186 | 522 | 708 |
| Mechanically Stabilized Earth Retaining Wall | SQ M | 344 | | 344 |
| Protective Shield | SQ M | | 2468 | 2468 |

## INDEX OF SHEETS






SECTION A-A
(See Sht. S-01 for location)




SECTION THRU SEMI-INTEGRAL ABUT.
Dimensions at Right Angles
*Cost Included with Concrete Superstructure
Allowable bearing pressure below MSE wall is 215 KPa with a Factor of Safety of 2.5



| REVISIONS NAME | DATE |
|---|---|
| | |

STV Incorporated
Engineers/Architects/Planners/Construction Managers
200 W. Monroe Street, Suite 1650
Chicago, IL. 60606-5015
312/553-0055, FAX 312/553-0661

ILLINOIS DEPARTMENT OF TRANSPORTATION
IL ROUTE 68 OVER US ROUTE 14
F.A.P. ROUTE 343 SECTION 70HB-R-1
COOK COUNTY STATION 10+001.778
STRUCTURE NO. 016-2861

GENERAL NOTES, B.O.M., & INDEX OF SHEETS

DESIGNED: BTO DRAWN: BTO
DATE: 10/06 CHECKED: JAN CHECKED: JAN