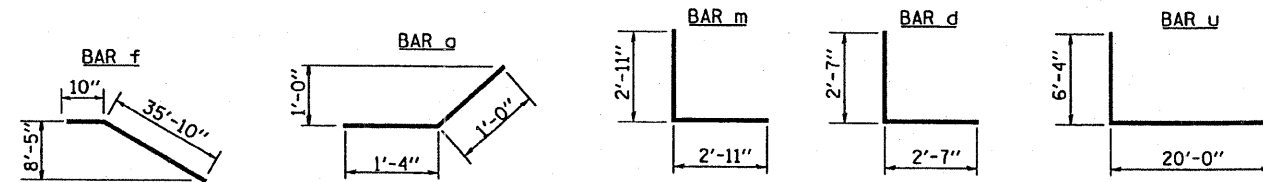


8'x8' Double Box Culvert End Section RT 1211 + 65

| | | | | |
|---------------------|---------|---------------------------|--------------|-----------|
| CONTRACT NO. 64C35 | | | | |
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 17 | 15T-2 | CARROLL | 71 | 37 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |
| SHEET 2 OF 2 | | | | |



BILL OF MATERIALS (For Information Only)

| BAR | NO. | SIZE | LENGTH | SHAPE |
|---------------------|-----|------|--------|-------|
| a | 21 | 5 | 2'-4" | |
| d | 21 | 5 | 5'-8" | |
| f | 6 | 6 | 36'-8" | |
| h | 42 | 5 | 34'-9" | |
| h ₁ | 89 | 5 | 20'-0" | |
| h ₂ | 20 | 5 | 37'-3" | |
| h ₃ | 4 | 5 | 38'-6" | |
| h ₄ | 1 | 5 | 34'-9" | |
| m | 122 | 5 | 5'-10" | |
| u | 4 | 5 | 32'-8" | |
| v | 36 | 5 | 11'-3" | |
| v ₁ | 15 | 5 | 11'-4" | |
| v ₂ | 24 | 5 | 11'-0" | |
| CONCRETE STRUCTURES | | | CU YD | 42.9 |
| REINFORCEMENT BARS | | | LB | 6510 |

GENERAL NOTES:

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr. 60 (IL Modified). See Special Provisions.

See Plan and Profile Sheet for more information.
See Cross Section Sheet for more information.

This work shall be done according to the applicable portions of 503, 508, and 540 of the Standard Specifications.

Exposed Edges shall be beveled $\frac{3}{4}$ ".

The Contract unit price "CU YD" for Concrete Structures shall include the Expansion Bolts, Galvanized Pipe, Anchor Bolts, Bolts, Nuts, Washers, Steel Plates, Earth Excavation where required, and necessary grading to fit the Inlet as shown in the cross section or to the slope.

Bolts, Nuts, and Washers shall be in accordance with Article 505 of the Standard Specification and shall be galvanized.

Steel Pipes shall conform to A.S.T.M. A-53 Grade B or A.S.T.M. A501, and shall be galvanized conforming to AASHTO M111, and A.S.T.M. A385. Contractor shall field verify pipe length.

Slope Flow Line of the extension at the same rate as the Flow Line of the box.

Steel Plates shall conform to AASHTO M-183 and shall be galvanized conforming to AASHTO M-111.

| DESCRIPTION | UNIT | QTY. |
|------------------------------------|------|--------|
| | 5e | 20'-7" |
| 3.5" GALVANIZED STEEL PIPE | 6e | 35'-6" |
| 3.5" GALVANIZED PIPE CAPS | EACH | 22 |
| 1/2"x4"x14" GALVANIZED STEEL PLATE | EACH | 15 |
| 5/8"x9" GALVANIZED STEEL BOLTS | EACH | 30 |

PLOT DATE : 1/23/2008
 FILE NAME : W:\p10g\2244-14\0-0p Box & End Section - to IDOT.dgn
 USER NAME : tsoody