

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 234	*	SHELBY	24	2

PROJECT BROS-173()
 * 04-2018-00-BR

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
20100500	TREE REMOVAL, ACRES	ACRE	0.3
20200100	EARTH EXCAVATION	CU YD	940
20300100	CHANNEL EXCAVATION	CU YD	537
20400800	FURNISHED EXCAVATION	CU YD	2694
25000200	SEEDING, CLASS 2	ACRE	1.1
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	99
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	99
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	99
25100115	MULCH, METHOD 2	ACRE	1.1
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	150
28000300	TEMPORARY DITCH CHECKS	EACH	6
28000400	PERIMETER EROSION BARRIER	FOOT	100
28000500	INLET AND PIPE PROTECTION	EACH	2.0
28100207	STONE RIPRAP, CLASS A4	TON	475
28102600	STONE RIPRAP DITCH	TON	551
28200200	FILTER FABRIC	SQ YD	556
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	800
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1.0
50300225	CONCRETE STRUCTURES	CU YD	31.4
50300280	CONCRETE ENCASEMENT	CU YD	15.9
50400305	PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH)	SQ FT	2154
50800105	REINFORCEMENT BARS	POUND	4080
* 50900205	STEEL RAILING, TYPE S1	FOOT	180
51201400	FURNISHING STEEL PILES HP 10X42	FOOT	720
51202305	DRIVING PILES	FOOT	720
51203400	TEST PILE STEEL HP 10X42	EACH	4.0
51500100	NAME PLATES	EACH	1.0
542D0220	PIPE CULVERTS, CLASS D, TYPE I 15"	FOOT	126
67100100	MOBILIZATION	L SUM	1.0
* 78201000	TERMINAL MARKER-DIRECT APPLIED	EACH	4.0
X5020501	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 1	EACH	1.0
X5020502	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 2	EACH	1.0

X080-2A

EARTHWORK SUMMARY

EARTH EXCAVATION = 940 CU. YD.
 CHANNEL EXCAVATION = 537 CU. YD.
 TOTAL FILL REQUIRED = 3600 CU. YD.
 ESTIMATE OF FILL FROM EARTH EX. = 705 CU. YD.
 ESTIMATE OF FILL FROM CHANNEL EX. = 201 CU. YD.
 FURNISHED EXCAVATION REQUIRED = 2694 CU. YD.

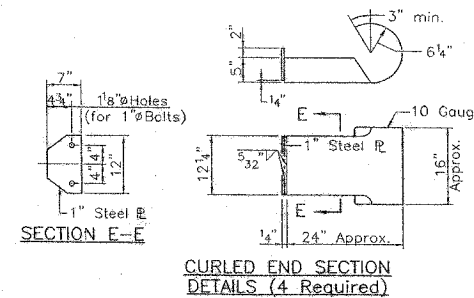
GENERAL NOTES

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
 THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER IN REGARD TO THE EXACT LENGTHS OF PIPE CULVERTS PRIOR TO ORDERING THESE ITEMS.
 IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.

* SPECIALTY ITEMS

TREE REMOVAL, ACRES

Rt. Sta. 49+50 to Rt. Sta. 51+50
 Rt. Sta. 53+50 to Rt. Sta. 54+85
 Rt. Sta. 56+47 to Rt. Sta. 57+00
 Total Quantity = 0.3 Acres



ALL OTHER STEEL SHAPES AND PLATES SHALL CONFORM TO THE REQUIREMENTS OF A.A.S.H.T.O. DESIGNATION M-183 EXCEPT POSTS AND ANGLES SHALL CONFORM TO A.A.S.H.T.O., M-223, GRADE 50.
 BOLTS, CAP SCREWS AND NUTS SHALL CONFORM TO THE REQUIREMENTS OF A.S.T.M. DESIGNATION A-307 EXCEPT FOR HIGH STRENGTH BOLTS, NUTS, AND WASHERS NOTED WHICH SHALL CONFORM TO A.A.S.H.T.O. DESIGNATION M-164.
 ALL BOLTS, NUTS, CAP SCREWS, WASHERS, AND LOCK WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH A.A.S.H.T.O. DESIGNATION M-232.
 ALL FIELD DRILLED HOLES SHALL BE COATED WITH AN APPROVED ZINC RICH PAINT BEFORE ERECTION.
 THE COST OF CURLED END SECTIONS ARE INCLUDED IN THE COST OF STEEL RAILING TYPE S-1

UTILITIES

SHELBY ELECTRIC COOPERATIVE
 NORTH ROUTE 128
 SHELBYVILLE, ILLINOIS 62565
 1-217-774-3986
 CONSOLIDATED COMMUNICATIONS INC.
 121 SOUTH 17TH STREET
 MATTOON, ILLINOIS 61938-3915
 1-217-235-3311

SUMMARY OF QUANTITIES,
 DETAILS, & GENERAL NOTES