

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
50	04-1212-00-BR 04-10100-00-BR	•	22	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• SHELBY & CHRISTIAN				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	261
20200100	EARTH EXCAVATION	CU YD	759
• 20300100	CHANNEL EXCAVATION	CU YD	360
20400800	FURNISHED EXCAVATION	CU YD	3,497
• 25000200	SEEDING, CLASS 2	ACRE	1.2
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	108
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	108
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	108
25100115	MULCH, METHOD 2	ACRE	1.2
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	400
28000300	TEMPORARY DITCH CHECKS	EACH	11
28000400	PERIMETER EROSION BARRIER	FOOT	2,346
28000500	INLET AND PIPE PROTECTION	EACH	2
28100807	STONE DUMPED RIPRAP, CLASS A4	TON	929
28200200	FILTER FABRIC	SQ YD	993
35101400	AGGREGATE BASE COURSE, TYPE B	TON	1,340
40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	880
40300300	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	GALLON	2,460
40300500	COVER COAT AGGREGATE	TON	60
40300600	SEAL COAT AGGREGATE	TON	30
• 50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1
• 50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1
50200100	STRUCTURE EXCAVATION	CU YD	57
50300225	CONCRETE STRUCTURES	CU YD	49.4
50300280	CONCRETE ENCASEMENT	CU YD	5.6
• 50400605	PRECAST PRESTRESSED CONCRETE DECK BEAMS (33" DEPTH)	SQ FT	3,302
50800105	REINFORCEMENT BARS	POUND	6,000
50900205	STEEL RAILING, TYPE S1	FOOT	280
51201400	FURNISHING STEEL PILES HP10X42	FOOT	390
51202305	DRIVING PILES	FOOT	390
51203400	TEST PILE STEEL HP10X42	EACH	4
51500100	NAME PLATES	EACH	2
• 54200643	PIPE CULVERTS, TYPE 1, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 18"	FOOT	33
• 54200646	PIPE CULVERTS, TYPE 1, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 21"	FOOT	44
• 54215553	METAL END SECTIONS 18"	EACH	2
• 54215556	METAL END SECTIONS 21"	EACH	2
• 60109582	PIPE UNDERDRAINS FOR STRUCTURES 6"	FOOT	224
Δ 63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	276
Δ 63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4
67100100	MOBILIZATION	L SUM	1
• 70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1
Δ • 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	6
Δ 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)	EACH	2

Δ SPECIALTY ITEMS
 *SEE SPECIAL PROVISIONS
 CONSTRUCTION TYPE CODE: X081-2A

ESTIMATED QUANTITIES

ITEM	RATE OF APPLICATION	QUANTITIES
SEEDING CLASS 2	= ART. 250.07	= 1.2 ACRES
NITROGEN FERTILIZER NUTRIENTS	= 90 LBS./ACRE	= 108 POUNDS
PHOSPHORUS FERTILIZER NUTRIENTS	= 90 LBS./ACRE	= 108 POUNDS
POTASSIUM FERTILIZER NUTRIENTS	= 90 LBS./ACRE	= 108 POUNDS
MULCH METHOD 2	=	= 1.2 ACRES
BITUMINOUS MATERIAL (PRIME COAT)	= 0.375 GAL/SY	= 880
BITUMINOUS MATERIALS (COVER & SEAL COATS)	= 0.35 GAL/SY	= 1,643
COVER & SEAL COAT AGGREGATE	= 25 LBS/SY	

EARTHWORK SUMMARY

EARTH EXCAVATION	759 CU. YD. (IN PLACE)
CHANNEL EXCAVATION	360 CU. YD. (IN PLACE)
TOTAL FILL REQ'D.	4,336 CU. YD. (IN PLACE)
ESTIMATE OF FILL FROM EARTH EX.	= 569 CU. YD.
ESTIMATE OF FILL FROM CHANNEL EX.	= 270 CU. YD.
FURNISHED EXCAVATION REQUIRED	= 3,497 CU. YD.

GENERAL NOTES

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. 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.

ALL DISTURBED EARTH SURFACES WITHIN THE LIMITS OF THE RIGHT-OF-WAY AND EASEMENTS SHALL BE SEEDED AS DIRECTED BY THE ENGINEER.

TREE REMOVAL SCHEDULE

STA.	LT/RT	OFFSET (FOOT)	TREE REMOVAL (6 TO 15 UNITS DIA.)
12+45	LT	29.00'	12
14+52	RT	11.00'	12
14+59	RT	21.00'	8
15+09	RT	21.00'	8
15+16	RT	29.00'	6
15+25	RT	33.00'	12"
15+35	RT	28.00'	6
15+56	RT	6.00'	12
16+15	RT	26.00'	6
16+40	RT	26.00'	8
16+58	RT	25.00'	8
16+66	RT	25.00'	6
16+71	RT	26.00'	8
16+95	RT	26.00'	8
17+14	RT	25.00'	6
17+21	RT	26.00'	6
17+50	RT	27.00'	8
17+81	RT	26.00'	8
17+87	RT	28.00'	6
17+93	RT	28.00'	6
17+99	RT	27.00'	6
18+83	RT	29.00'	8
19+34	RT	32.00'	3x8
19+67	RT	27.00'	15
19+71	RT	27.00'	12
19+74	RT	25.00'	8
19+83	RT	21.00'	12
20+00	RT	16.00'	8
20+00	RT	16.00'	10
TOTAL			261

GUARDRAIL SCHEDULE

STA.	TO	STA.	OFF SET	SPB GUARDRAIL (FOOT)	TRAF BAR TERM TY 1 SPECIAL (TANGENT) (EACH)	TRAF BAR TERMINAL TY 5A (EACH)	TERMINAL MARKER DA (EACH)
14+65.35		15+15.35	RT		1		1
15+15.35		15+28.60	RT			1	
16+20.40		16+33.65	LT			1	
16.33.65		19+08.25	LT	276			
19+08.25		19+21.50	LT			1	
19+88.50		20+01.75	LT			1	
20+01.75		20+51.75	LT		1		1

TEMPORARY EROSION CONTROL SCHEDULE

STA.	LT/RT	OFFSET (FOOT)	TEMP DITCH CHECK (EACH)	INLET & PIPE PROTECTION (EACH)
12+76	LT	21		1
13+72	LT	25.5	1	
14+33	LT	25.5	1	
14+98	LT	26		1
12+65	RT	16	1	
13+31	RT	16	1	
13+95	RT	17.5	1	
16+85	RT	22	1	
20+00	LT	35.5	1	
20+75	LT	30.5	1	
20+00	RT	34.5	1	
20+94	RT	29.5	1	
22+54	RT	25	1	
TOTAL			11	2

PERIMETER EROSION CONTROL BARRIER

STA.	LT/RT	OFFSET (FOOT)	PERIMETER EROSION BARRIER (FOOT)
11+00	15+41	LT	441
11+00	15+41	RT	441
16+16	19+22	LT	306
16+16	19+22	RT	306
19+89	21+15	LT	426
19+89	24+15	RT	426
TOTAL			2,346'