

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
235	93-02109-00-BR	CHRISTIAN	18	2
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	342
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	354
20200100	EARTH EXCAVATION	CY	338
20300100	CHANNEL EXCAVATION	CY	810
20400800	FURNISHED EXCAVATION	CY	171
25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.6
28000250	TEMPORARY EROSION CONTROL SEEDINGS	POUND	150
28000300	TEMPORARY DITCH CHECKS	EACH	3
28000400	PERIMETER EROSION BARRIER	FOOT	1000
28100807	STONE DUMPED RIPRAP, CLASS A4	TON	640
28200100	FILTER FABRIC FOR USE WITH RIPRAP	SQ YD	950
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	371
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50200100	STRUCTURE EXCAVATION	CY	104
50300225	CONCRETE STRUCTURES	CY	91.0
50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ FT	4620
50800105	REINFORCEMENT BARS	POUND	7960
50900205	STEEL RAILING, TYPE S1	FOOT	388
51201400	FURNISHING STEEL PILES HP 10X42	FOOT	599
51202700	DRIVING STEEL PILES	FOOT	599
51203400	TEST PILE STEEL HP 10X42	EACH	3
51204315	CONCRETE ENCASEMENT	CY	8.1
51500100	NAME PLATES	EACH	1
54201483	PIPE CULVERTS, TYPE 2, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 18"	FOOT	106
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	3
70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	LUMP SUM	1
78201000	TERMINAL MARKER-DIRECT APPLIED	EACH	4
X5020501	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 1	EACH	1
X5020502	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 2	EACH	1

* SEE SPECIAL PROVISIONS
CONSTRUCTION TYPE CODE: X080-2A

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 SEEDDED AS DIRECTED BY THE ENGINEER.

ESTIMATED QUANTITIES

ITEM	RATE OF APPLICATION
SEEDING CLASS 2 (SPECIAL)	= 0.6 ACRES
NITROGEN FERTILIZER NUTRIENTS	= 80 LBS./ACRE
PHOSPHORUS FERTILIZER NUTRIENTS	= 320 LBS./ACRE
POTASSIUM FERTILIZER NUTRIENTS	= 160 LBS./ACRE
MULCH METHOD 2	2 TONS/ACRE

EARTHWORK SUMMARY

EARTH EXCAVATION	= 338 CU. YD. (IN PLACE)
CHANNEL EXCAVATION	= 810 CU. YD. (IN PLACE)
TOTAL FILL REQ'D.	= 830 CU. YD. (IN PLACE)
** ESTIMATE OF FILL FROM EARTH EX.	= 254 CU. YD.
*** ESTIMATE OF FILL FROM CHANNEL EX.	= 405 CU. YD.
FURNISHED EXCAVATION REQUIRED	= 171 CU. YD.
** 25% SHRINKAGE FACTOR APPLIED	
*** 50% SHRINKAGE FACTOR APPLIED	

TREE REMOVAL SCHEDULE

STA.	LT/RT	OFFSET (FOOT)	TREE REMOVAL (6 TO 15 UNITS DIA.)	TREE REMOVAL (OVER 15 UNITS DIA.)
3+03	LT	24.00'	10	
3+16	LT	24.00'	12	
3+21	LT	25.00'	8	
3+22	LT	25.00'	6	
3+34	LT	30.00'	15	
3+37	LT	36.00'	6	
3+42	LT	37.00'	12	
3+43	LT	32.00'	12	
3+44	LT	32.00'	8	
3+44	LT	33.00'	8	
3+51	LT	35.00'	6	
3+72	LT	32.00'	15	
3+72	LT	32.40'	15	
3+72	LT	32.50'	15	
3+73	LT	32.00'	6	
3+75	LT	35.00'	10	
3+82	LT	30.00'		20
3+91	LT	40.00'	8	
4+14	LT	30.00'	15	
4+15	LT	30.00'		36
4+16	LT	30.00'		18
4+20	LT	41.00'	8	
4+29	LT	33.00'	10	
4+30	LT	41.00'	6	
4+32	LT	42.00'	8	
4+32	LT	42.50'	10	
4+33	LT	43.00'	8	
4+47	LT	44.00'	8	
4+47	RT	42.00'		20
4+51	LT	30.00'	12	
4+56	LT	31.00'		30
4+58	RT	46.00'	15	
4+60	LT	43.00'	6	
4+65	LT	33.00'		32
4+80	LT	31.00'		20
4+84	LT	37.00'	12	
4+97	LT	32.00'	12	
5+09	LT	28.00'		32
5+15	LT	29.00'		20
5+15	LT	29.50'		18
5+16	LT	29.00'		20
5+25	LT	20.00'		28
5+38	LT	28.00'	12	
5+40	LT	41.00'	8	
5+40	LT	41.50'	8	
5+50	LT	44.00'	12	
5+78	LT	30.00'		24
5+88	LT	20.00'		36
TOTAL			342	354

