

SUMMARY OF QUANTITIES

CODE NO	ITEM	CONSTRUCTION CODE	
		UNIT	QUANTITY
		X080-2A	
20100500	TREE REMOVAL, ACRES	ACRE	0.8
20200100	EARTH EXCAVATION	CU YD	790
20300100	CHANNEL EXCAVATION	CU YD	890
20400800	FURNISHED EXCAVATION	CU YD	1,000
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	72
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	72
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	72
> 25000200	SEEDING, CLASS 2	ACRE	0.8
> 25100115	MULCH, METHOD 2	ACRE	0.8
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	200
28000300	TEMPORARY DITCH CHECKS	EACH	11
> 28100207	STONE RIPRAP, CLASS A4	TON	1,000
> 28102600	STONE RIPRAP DITCH	TON	85
28200200	FILTER FABRIC	SQ YD	1,190
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	700
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50300225	CONCRETE STRUCTURES	CU YD	78.1
50400305	PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH)	SQ FT	2,016
50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ FT	1,464
50800105	REINFORCEMENT BARS	POUND	5,740
50900205	STEEL RAILING, TYPE S1	FOOT	286
51201400	FURNISHING STEEL PILES HP10X42	FOOT	720
51202700	DRIVING STEEL PILES	FOOT	720
51203400	TEST PILE STEEL HP10X42	EACH	4
51204315	CONCRETE ENCASEMENT	CU YD	4.6
51500100	NAME PLATES	EACH	1
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	190
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	36
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	70
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	2
67100100	MOBILIZATION	L 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

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2002," THESE PLANS AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- ALL CLEARING AND GRUBBING AND REMOVAL OF EXISTING DRAINAGE STRUCTURES SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- THE LOCATIONS OF EXISTING ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THE LOCATIONS ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE INDIVIDUAL UTILITY COMPANIES AND BY FIELD INSPECTION.
- THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS UNTIL THE OWNER, HIS AGENT, PROFESSIONAL LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- THE REVISION NUMBER INDICATED FOR THE STANDARDS LISTED IN THE INDEX OF SHEETS SHALL BE USED IN THE CONSTRUCTION OF THIS SECTION.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES

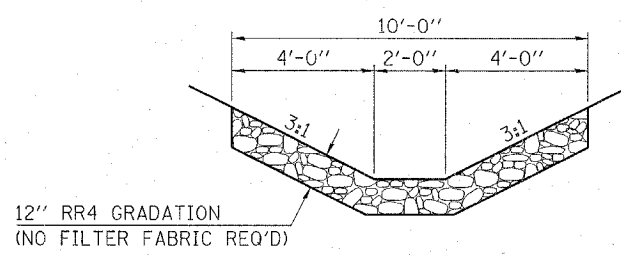
AGGREGATE SURFACE CSE.	2.05 TON/CU YD	
STONE RIPRAP, CL. A4	1.75 TON/CU YD	0.67 TON/SQ YD
STONE RIPRAP DITCH	1.75 TON/CU YD	0.5 TON/SQ YD
- THE AREA TO BE SEEDED SHALL CONSIST OF ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER. **ESTIMATED QUANTITY = 0.8 ACRES.**
- TREES WITHIN THE RIGHT-OF-WAY WHICH INTERFERE WITH CONSTRUCTION SHALL BE REMOVED ONLY AT THE DIRECTION OF THE ENGINEER.

> SEE SPECIAL PROVISIONS

EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION (CU YD)	SHRINKAGE FACTOR	PERCENT USED	AVAILABLE* EXCAVATION (CU YD)	EMBANKMENT REQUIRED (CU YD)	EARTHWORK BALANCE (CU YD)
STA. 75+00 TO STA. 79+86.73	638	25%	100%	478	1,827	-1,349
STA. 79+86.73 TO STA. 79+53.27	-	25%	100%	-	-	-
STA. 79+53.27 TO STA. 83+00	150	25%	100%	112	188	-75
CHANNEL EXCAVATION ENTRANCES	890	25%	70%	467	40	467
TOTAL	787			1,056	2,054	-997
USE:	790					1,000

* AVAILABLE EXCAVATION = EXC. x (1-SHRINKAGE FACTOR) x % USED (FURN. EXC.)



STONE RIPRAP DITCH
 LT. STA. 77+50 TO STA. 78+25
 RT. STA. 81+05 TO STA. 81+50
 ESTIMATED QUANTITY = 85 TON

HLR
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 618-790-4637
 Account Number 12-87-0014-1
 Date: 01/31/06
 DESIGNED: S.W.M. CHECKED: M.G.B. DRAWN: D.T.M.

SUMMARY OF QUANTITIES AND SCHEDULE OF QUANTITIES
SECTION 03-17116-00-BR
RIDGE ROAD DISTRICT
SHELBY COUNTY