

SUMMARY OF QUANTITIES			
CODE NO.	ITEM	UNIT	TOTAL
			CONSTRUCTION TYPE CODE 0014
20200100	EARTH EXCAVATION	CU YD	33
20300100	CHANNEL EXCAVATION	CU YD	100
25100630	EROSION CONTROL BLANKET	SQ YD	550
28100209	STONE RIPRAP, CLASS A5	TON	650
28200200	FILTER FABRIC	SQ YD	640
35101400	AGGREGATE BASE COURSE, TYPE B	TON	50
48101200	AGGREGATE SHOULDERS, TYPE B	TON	190
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1160
54003000	CONCRETE BOX CULVERTS	CU YD	3.7
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	160
5900200	EPOXY CRACK INJECTION	FOOT	100
* 63000005	STEEL PLATE BEAM GUARDRAIL, TYPE B	FOOT	150
* 63000025	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES	FOOT	88
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4
66700205	PERMANENT SURVEY MARKERS, TYPE 1	EACH	1
67100100	MOBILIZATION	L SUM	1
70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
X2070302	POROUS GRANULAR EMBANKMENT, SPECIAL	TON	85
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.1
X5010205	REMOVAL OF EXISTING STRUCTURE, SPECIAL	EACH	1
X5121800	PERMANENT STEEL SHEET PILING	SQ FT	3565
X6320100	GUARDRAIL REMOVAL SPECIAL	FOOT	400
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	200
Z0013798	CONSTRUCTION LAYOUT	L SUM	1

^ SEE SPECIAL PROVISIONS

* SPECIALTY ITEMS

GENERAL NOTES

- 1) ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2012. THESE PLANS AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- 2) THE REVISION NUMBERS OF THE STANDARDS LISTED IN THE PLANS ARE TO BE USED FOR CONSTRUCTING THIS SECTION.
- 3) ALL CLEARING AND GRUBBING, FENCE REMOVAL AND REMOVAL OF EXISTING DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- 4) THE LOCATION OF EXISTING GAS MAINS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATIONS 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.
- 5) 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.
- 6) THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

STONE BEDDING	1.80 TON/CU YD
STONE RIPRAP, CLASS A5	1.75 TON/CU YD
AGGREGATE BASE COURSE	2.05 TON/CU YD
POROUS GRANULAR EMBANKMENT	2.00 TON/CU YD
AGGREGATE SHOULDERS	2.0 TON/CU YD
- 7) THE AREA TO BE SEEDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT OF WAY AS DIRECTED BY THE ENGINEER. ESTIMATED QUANTITY: SEEDING, CLASS 2 (SPECIAL) = 0.1 ACRES
- 8) CHANNEL EXCAVATION SHALL BE USED FOR FINAL SHAPING OF THE CHANNEL BANKS AND BOTTOM AS DIRECTED BY THE ENGINEER.
- 9) ALL WASTE MATERIAL FROM EXCAVATIONS SHALL BE DISPOSED OF BY THE CONTRACTOR. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 10) EXISTING GUARDRAIL SHALL BE REMOVED AND SALVAGED BY THE CONTRACTOR. THESE ITEMS SHALL BE STOCKPILED ON SITE AND BECOME PROPERTY OF THE COUNTY.

EARTHWORK SUMMARY

LOCATION	EARTH EXCAVATION	MISC. EXCAVATION	SHRINKAGE FACTOR	% USED	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT REQUIRED	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	20200100						
	CU YD	CU YD			CU YD	CU YD	CU YD
SOUTH VALLEY ROAD							
STA 229+00 TO STA 230+60	14		25.00%	100.00%	11	4	7
STA 231+39 TO STA 233+00	6		25.00%	100.00%	5	29	-25
			25.00%	100.00%	0		0
HOLMES ROAD							
STA 11+45 TO STA 100+80	13		25.00%	100.00%	10	19	-9
CHANNEL EXCAVATION		100	25.00%	50.00%	38		38
EXC FROM RIPRAP		369	25.00%	50.00%	138		138
TOTAL	33				201	52	149
USE	33						150

WASTE EXCAVATION 150 CU YDS