

SUMMARY OF QUANTITIES			
CODE NO.	ITEM	CONSTRUCTION TYPE CODE 0011	
		UNIT	TOTAL
20100500	TREE REMOVAL, ACRES	ACRE	0.2
20200100	EARTH EXCAVATION	CU YD	225
20300100	CHANNEL EXCAVATION	CU YD	75
20400800	FURNISHED EXCAVATION	CU YD	490
25000200	SEEDING, CLASS 2	ACRE	0.4
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	36
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	36
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	36
25100115	MULCH, METHOD 2	ACRE	0.4
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	100
28000305	TEMPORARY DITCH CHECKS	FOOT	56
28000500	INLET AND PIPE PROTECTION	EACH	2
28100207	STONE RIPRAP, CLASS A4	TON	265
28200200	FILTER FABRIC	SQ YD	350
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	405
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50300225	CONCRETE STRUCTURES	CU YD	24.8
50400405	PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	SQ FT	1,296
50800105	REINFORCEMENT BARS	POUND	2,750
* 50900205	STEEL RAILING, TYPE S1	FOOT	111
51200957	FURNISHING METAL SHELL PILES 12" X 0.250"	FOOT	420
51202305	DRIVING PILES	FOOT	420
51203200	TEST PILE METAL SHELLS	EACH	1
51500100	NAME PLATES	EACH	1
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	34
542D0241	PIPE CULVERTS, CLASS D, TYPE 1 36"	FOOT	40
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POST	FOOT	25
* 63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	2
67100100	MOBILIZATION	L SUM	1
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
* LR631020	TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	2

* SPECIALTY ITEMS

INLET & PIPE PROTECTION		
STA	O/S	QUANTITY
6+56	RIGHT	1.0 EACH
9+14	RIGHT	1.0 EACH
	TOTAL	2.0 EACH

TEMPORARY DITCH CHECKS		
STA	O/S	LENGTH
7+00	LEFT	8.0 FT
8+00	LEFT	8.0 FT
8+00	RIGHT	8.0 FT
8+40	RIGHT	8.0 FT
8+75	LEFT	8.0 FT
10+00	LEFT	8.0 FT
10+00	RIGHT	8.0 FT
	TOTAL	56.0 FT

TREE REMOVAL ACRES	
LOCATION	ACRE
TR 373	
LT. STA 6+39.12 TO LT. STA 10+50.00	0.02
RT. STA 6+39.12 TO RT. STA 10+50.00	0.12
TOTAL	0.14
USE	0.20

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2007," THESE PLANS AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- ALL CLEARING AND GRUBBING, FENCE REMOVAL AND REMOVAL OF EXISTING DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION. THE REMOVAL OF THE EXISTING BITUMINOUS SURFACE WILL BE PAID FOR AS EARTH EXCAVATION. ALL BITUMINOUS MATERIAL SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR IN A METHOD APPROVED BY THE ENGINEER. PROPER DISPOSAL OF BITUMINOUS MATERIAL SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE LOCATION OF EXISTING GAS MAINS, 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.
- 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 THE ENGINEER IN REGARD TO THE EXACT LENGTH OF PIPE CULVERTS AND PIPE DRAINS BEFORE ORDERING THESE ITEMS.
- THE REVISION NUMBER INDICATED FOR THE STANDARDS LISTED IN THE INDEX SHEETS SHALL BE USED IN THE CONSTRUCTION OF THIS SECTION.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES.

AGGREGATE SURFACE COURSE	2.05 TON/CU YD
STONE RIPRAP, CLASS A4	1.75 TON/CU YD
NITROGEN FERTILIZER NUTRIENT	90 LBS/ACRE
PHOSPHORUS FERTILIZER NUTRIENT	90 LBS/ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS/ACRE
TEMPORARY EROSION CONTROL SEEDING	200 LBS/ACRE
- THE AREA TO BE SEEDED SHALL CONSIST OF ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER. ESTIMATED QUANTITY = 0.4 ACRES
- TREES WITHIN THE RIGHT-OF-WAY WHICH INTERFERE WITH CONSTRUCTION SHALL BE REMOVED ONLY AT THE DIRECTION OF THE ENGINEER. THE AREA DESIGNATED FOR REMOVAL SHALL BE MARKED AND MEASURED FOR PAYMENT BY THE ENGINEER BEFORE REMOVAL.

EARTHWORK SCHEDULE							
LOCATION	EARTH EXCAVATION	CHANNEL EXCAVATION	SHRINKAGE FACTOR	PERCENT USED	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT REQUIRED	EARTHWORK BALANCE
	CU.YD.	CU.YD.			CU.YD.	CU.YD.	CU.YD.
TR 373							
STA 6+40.00 TO STA 7+98.66	123		25.00%	100.00%	92	278	-186
STA 8+53.71 TO STA 10+50.00	101		25.00%	100.00%	76	345	-269
CHANNEL EXCAVATION		75	25.00%	70.00%	39	0	39
ENTRANCE EMBANKMENT						70	-70
TOTAL	224	75			207	693	-486
USE	225	75			210	695	-490

FURNISHED EXCAVATION = 490 CU YDS

SEEDING TABLE						
LOCATION	SEEDING, CLASS 2	NITROGEN FERTILIZER NUTRIENT (90 LBS/ACRE)	PHOSPHORUS FERTILIZER NUTRIENT (90 LBS/ACRE)	POTASSIUM FERTILIZER NUTRIENT (90 LBS/ACRE)	MULCH, METHOD 2	TEMPORARY EROSION CONTROL SEEDING (200 LBS/ACRE)
	25000200	25000400	25000500	25000600	25100115	28000250
	ACRE	POUND	POUND	POUND	ACRE	POUND
TR 373						
STA 6+39.12 TO STA 8+25.00	0.18	16	16	16	0.18	35
STA 8+35.00 TO STA 10+50.00	0.19	17	17	17	0.19	39
TOTAL	0.37	33	33	33	0.37	74
USE	0.40	36	36	36	0.40	100