

SUMMARY OF QUANTITIES			
No.	ITEM	UNIT	TOTAL CONSTRUCTION TYPE CODE X081-2A
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	30
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	50
20200100	EARTH EXCAVATION	CU YD	155
20300100	CHANNEL EXCAVATION	CU YD	315
20400800	FURNISHED EXCAVATION	CU YD	640
20700110	POROUS GRANULAR EMBANKMENT	TON	120
25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.7
28101700	RIPRAP, SPECIAL	TON	190
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	852
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50300225	CONCRETE STRUCTURES	CU YD	27.0
50300280	CONCRETE ENCASEMENT	CU YD	2.8
50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ FT	1904
50800105	REINFORCEMENT BARS	POUND	2820
50900205	STEEL RAILING, TYPE S1	FOOT	134
51201600	FURNISHING STEEL PILES HP12X53	FOOT	175
51202305	DRIVING PILES	FOOT	175
51203600	TEST PILE STEEL HP12X53	EACH	1
51500100	NAME PLATES	EACH	1
542D1063	PIPE CULVERTS, CLASS D, TYPE 2 18"	FOOT	44
67100100	MOBILIZATION	L SUM	1

^ SEE SPECIAL PROVISIONS  
\* SPECIALTY ITEMS

EARTHWORK SCHEDULE							
LOCATION	EARTH EXCAVATION	CHANNEL EXCAVATION	SHRINKAGE FACTOR	PERCENT USED	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT REQUIRED	EARTHWORK BALANCE
	20200100	20300100					
	CU.YD.	CU.YD.			CU.YD.	CU.YD.	CU.YD.
CH 23							
STA 133+50 TO STA 135+95.33	47		25.00%	100.00%	35	349	-314
STA 136+64.67 TO STA 139+80	107		25.00%	100.00%	80	503	-423
					0		0
CHANNEL EXCAVATION ENTRANCE		315	25.00%	70.00%	165	0	165
						65	-65
							0
TOTAL	154	315			280	917	-637
TOTAL USE	155	315					640

FURNISHED EXCAVATION = 640 CU YDS

### 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 FENCES WILL BE REMOVED BY OTHERS. CONTRACTOR SHALL NOTIFY THE ENGINEER, 5 DAYS BEFORE HIS INTENDED START DATE FOR THE FENCE TO BE RELOCATED.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES.  

AGGREGATE SURFACE COURSE	2.05 TON/CU YD
RIPRAP, SPECIAL	1.75 TON/CU YD
- THE AREA TO BE SEEDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE R.O.W. AS DIRECTED BY THE ENGINEER.

HORIZONTAL ALIGNMENT		
LOCATION	NORTHING	EASTING
P.O.B. STA. 131+00.60	1,631,065.8700	2,397,106.2100
P.O.E. STA. 141+47.62	1,630,018.8600	2,397,102.6000

SEEDING TABLE	
LOCATION	CLASS 2 (SPECIAL) 25001000 ACRE
CH 23	
STA. 133+50 TO STA. 135+95.33	0.35
STA. 136+64.67 TO STA. 139+80	0.33
TOTAL	0.68
USE	0.70

ROADWAY SCHEDULE	
LOCATION	AGGREGATE SURFACE COURSE TYPE B 12" 40200800 TON
CH 23	
STA. 133+50 TO STA. 135+95.33	373
STA. 136+64.67 TO STA. 139+80	479
TOTAL	852

TREE REMOVAL		
LOCATION	6 TO 15 UNITS DIAMETER 20100110	OVER 15 UNITS DIAMETER 20100210
23.31' LT. STA. 135+77.67		20
25.32' LT. STA. 135+80.37		24
29.60' LT. STA. 136+15.30	15	
30.06' LT. STA. 136+44.16	12	
TOTAL	27	44
USE	30	50