

SUMMARY OF QUANTITIES			
CODE NO.	ITEM	UNIT	TOTAL CONSTRUCTION TYPE CODE X071-2A
20200100	EARTH EXCAVATION	CU YD	137
20300100	CHANNEL EXCAVATION	CU YD	100
^ 20900310	POROUS GRANULAR BACKFILL	TON	70
^ 25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.2
28000400	PERIMETER EROSION BARRIER	FOOT	600
^ 28101700	RIPRAP, SPECIAL	TON	100
35101400	AGGREGATE BASE COURSE, TYPE B	TON	280
48101200	AGGREGATE SHOULDERS, TYPE B	TON	105
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1
50300225	CONCRETE STRUCTURES	CU YD	3.0
50300255	CONCRETE SUPERSTRUCTURE	CU YD	67.8
50300300	PROTECTIVE COAT	SQ YD	272
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1
50500505	STUD SHEAR CONNECTORS	EACH	1,860
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	13,250
* 50900205	STEEL RAILING, TYPE S1	FOOT	171
51500100	NAME PLATES	EACH	1
52000110	PREFORMED JOINT STRIP SEAL	FOOT	27
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	10
52100520	ANCHOR BOLTS, 1"	EACH	40
* 63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	113
* ^ 63000135	STEEL PLATE BEAM GUARD RAIL, TYPE B (SPECIAL)	FOOT	13
* 63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2
* ^ 63100175	TRAFFIC BARRIER TERMINAL, TYPE 2 (SPECIAL)	EACH	1
63200310	GUARDRAIL REMOVAL	FOOT	160
67100100	MOBILIZATION	L SUM	1
^ 70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1
* ^ 78200405	GUARDRAIL MARKERS	EACH	10
* ^ 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
* LR631020	TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	1

^ SEE SPECIAL PROVISIONS
* SPECIALTY ITEMS

SEEDING TABLE	
LOCATION	CLASS 2 (SPECIAL) ACRE
CH 3A	
STA 33+70.00 TO STA 36+60.00	0.20
TOTAL	0.20
USE	0.20

HORIZONTAL ALIGNMENT		
LOCATION	NORTHING	EASTING
P.O.B. STA 22+45.33	2119.7167	1487.3253
P.C. STA 26+88.67	1773.8555	1209.9629
P.I. STA 30+24.28	1512.0390	1000.0000
P.T. STA 33+34.13	1176.4316	1000.0000
P.O.T. STA 35+10.56	1000.0000	1000.0000
P.C. STA 35+81.28	929.2836	1000.0000
P.I. STA 37+25.60	784.9800	1000.0000
P.T. STA 38+66.99	649.3400	181.4889
P.O.T. STA 40+10.47	514.5091	901.5654

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 FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES.

AGGREGATE SURFACE COURSE	2.05 TON/CU YD
POROUS GRANULAR BACKFILL	2.00 TON/CU YD
STONE RIPRAP	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.

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.
CH 3A							
STA 33+70.00 TO STA 34+67.81	56		25.00%	100.00%	42	24	18
STA 35+55.31 TO STA 36+60.00	81		25.00%	100.00%	61	2	59
CHANNEL EXCAVATION		100	25.00%	100.00%	75		75
ENTRANCE						20	-20
TOTAL	137	100			178	46	132
TOTAL USE	137						132

WASTE = 132 CU YDS

GUARDRAIL TABULATION									
LOCATION	GUARDRAIL REMOVAL	TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL (TANGENT)	TRAFFIC BARRIER TERMINAL TYPE 1	TRAFFIC BARRIER TERMINAL TYPE 2 (SPECIAL)	TRAFFIC BARRIER TERMINAL TYPE 5A	SPBGR TYA 6 FOOT POSTS	SPBGR TYB, SPL (12.5' RAD)	TERMINAL MARKER DIRECT APPLIED	GUARDRAIL MARKERS
	FOOT	EACH	EACH	EACH	EACH	FOOT	FOOT	EACH	EACH
LT & RT STA 34+24.3 TO 34+71.7	80								
LT & RT STA 35+48.3 TO 35+95.7	80								
RT STA 33+58.5 TO RT STA 34+08.5		1						1	
RT STA 35+95.1 TO RT STA 36+45.1		1						1	
LT STA 34+13.5 TO 34+38.5			1					1	
LT STA 35+98.2 TO STA 36+00.2				1				1	
LT & RT STA 34+51.0 TO 34+71.7					2				
LT & RT STA 35+49.4 TO 35+70.1					2				
LT STA 34+38.5 TO LT STA 34+51.0						12.5			
RT STA 34+08.5 TO 34+58.5						50			
LT STA 35+62.6 TO LT STA 35+87.6						25			
RT STA 35+70.1 TO RT STA 36+95.1						25			
LT STA 35+87.6 TO LT STA 35+98.2							12.5		
TOTAL	160	2	1	1	4	112.5	12.5	4	10