

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	CONSTRUCTION
			TYPE CODE 0014 TOTAL
20200100	EARTH EXCAVATION	CU YD	415
20300100	CHANNEL EXCAVATION	CU YD	180
20700110	POROUS GRANULAR EMBANKMENT	TON	88
28100807	STONE DUMPED RIPRAP, CLASS B4	TON	590
35100100	AGGREGATE BASE COURSE, TYPE A	TON	380
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	1,166
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	115
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	72
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	42
48101200	AGGREGATE SHOULDERS, TYPE B	TON	126
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50300225	CONCRETE STRUCTURES	CU YD	35.8
50300255	CONCRETE SUPERSTRUCTURE	CU YD	101
50300280	CONCRETE ENCASEMENT	CU YD	22.9
50300260	BRIDGE DECK GROOVING	SQ YD	210
50300300	PROTECTIVE COAT	SQ YD	270
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	49,330
50900205	STEEL RAILING, TYPE S1	FOOT	153
51200957	FURNISHING METAL SHELL PILES 12"X0.250"	FOOT	615
51202305	DRIVING PILES	FOOT	615
51203200	TEST PILE METAL SHELLS	EACH	2
51500100	NAME PLATES	EACH	1
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	28
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	76
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	50
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4
67100100	MOBILIZATION	L SUM	1
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.3

SEE SPECIAL PROVISIONS

* SPECIALTY ITEMS

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED APRIL 1, 2016," THESE PLANS AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- THE REVISION NUMBERS OF THE STANDARDS LISTED IN THE PLANS ARE TO BE USED FOR CONSTRUCTING OF THIS SECTION.
- 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 PAVEMENT 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 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.
- 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 FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:
 AGGREGATE SURFACE & BASE COURSE, SHOULDERS 2.05 TON/CU YD
 HOT-MIX ASPHALT 112 LBS/SQ YD/INCH THICKNESS
 BITUMINOUS MATERIALS (PRIME COAT) 0.25 POUNDS/SQ YD
 BITUMINOUS MATERIALS (TACK COAT) 0.025 POUNDS/SQ YD
 STONE DUMPED RIPRAP 1.75 TON/CU YD
 TEMPORARY EROSION CONTROL SEEDING 100 LBS / ACRE
 POROUS GRANULAR EMBANKMENT 1.5 TON/CU YD
- THE AREA TO BE SEEDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT OF WAY AS DIRECTED BY THE ENGINEER. SEEDING, CLASS 2 (SPECIAL) - 0.3 ACRES
- COMMITMENTS: NONE

EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION	CHANNEL EXCAVATION	SHRINKAGE FACTOR	PERCENT USED	EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT REQUIRED	EARTHWORK BALANCE
	CU.YD.	CU.YD.			CU.YD.	CU.YD.	CU.YD.
LODA LAKE ROAD / CH 2							
STA. 8+50 TO STA. 9+63.75	160		25.00%	100.00%	120	58	62
STA. 9+63.75 TO STA. 10+36.25		180	25.00%	70.00%	95		95
STA. 10+36.25 TO STA. 11+50	254		25.00%	100.00%	190	185	5
TOTAL	414	180			405	244	162
USE	415	180					160

WASTE 160 CU YDS