

SUMMARY OF QUANTITIES

CODE NO.	CONSTRUCTION TYPE CODE ITEM	J000	
		UNIT	TOTAL QUANTITY
K1005421	SEEDING, SPECIAL	ACRE	0.4
LR420025	PORTLAND CEMENT CONCRETE PAVEMENT 7" (SPECIAL)	SQ YD	1,594
LR420029	PORTLAND CEMENT CONCRETE PAVEMENT 8" (SPECIAL)	SQ YD	381
LR430030	CONCRETE PAVEMENT	SQ YD	2,496
LR430050	CONCRETE PAVER SIDEWALK	SQ YD	875
XX001060	AGGREGATE BASE COURSE, SPECIAL	SQ YD	1,718
XX001011	BICYCLE RACKS	EACH	1
XX001061	CELLULAR CONFINEMENT SYSTEM	SQ YD	93
XX006974	INLETS, TYPE B, TYPE 3V FRAME AND GRATE, SPECIAL	EACH	3
XX006976	INLETS, TYPE A, TYPE 3V FRAME AND GRATE, SPECIAL	EACH	2
X0321905	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	236
X0323355	POROUS GRANULAR EMBANKMENT, SUBGRADE 12 INCH	SQ YD	1,380
X0325056	FURNISH AND INSTALL POND LINER	SQ YD	1,160
X0350800	BOLLARDS	EACH	3
X8950600	REMOVE AND RELOCATE EXISTING LIGHT STANDARD	EACH	2.0
Z0024478	FLEXIBLE DELINEATORS	EACH	10
Z0036200	PAINT CURB	FOOT	151
Z0051500	REMOVING AND RESETTNG STREET SIGNS	EACH	1
Z0062000	SAW CUTTING	FOOT	220
Z0064540	SEEPAGE COLLAR	EACH	1
20100500	TREE REMOVAL, ACRES	ACRE	1.7
20200100	EARTH EXCAVATION	CU YD	9,427
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	50
20201500	SUB-BASE GRANULAR MATERIAL, TYPE B	TON	95
20400800	FURNISHED EXCAVATION	CU YD	200
20800150	TRENCH BACKFILL	CU YD	69
20900110	POROUS GRANULAR BACKFILL	CU YD	5
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	36
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	36
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	36
25000700	AGRICULTURAL GROUND LIMESTONE	TON	0.8
25001800	SEEDING, CLASS 4 (MODIFIED)	ACRE	0.3
25002014	SEEDING, CLASS 4A (MODIFIED)	ACRE	0.8
25100106	MULCH (SPECIAL)	ACRE	1.2
25100630	EROSION CONTROL BLANKET	SQ YD	1,559
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	148
28000300	TEMPORARY DITCH CHECKS	EACH	11
28000400	PERIMETER EROSION BARRIER	FOOT	1,371
28000500	INLET AND PIPE PROTECTION	EACH	17
28100205	STONE RIPRAP, CLASS A3	TON	9
28100207	STONE RIPRAP, CLASS A4	TON	133
28100209	STONE RIPRAP, CLASS A5	TON	274
28200200	FILTER FABRIC	SQ YD	4,201
30200650	PROCESSING MODIFIED SOIL 12"	SQ YD	2,530
30201600	FLY ASH	TON	120
31100300	SUB-BASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	21
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	170
42001200	PAVEMENT FABRIC	SQ YD	2,149
42001300	PROTECTIVE COAT	SQ YD	3,105
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	3,051
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	456
42400800	DETECTABLE WARNINGS	SQ FT	342
44201976	CLASS D PATCHES, TYPE II	SQ YD	9
54200427	PIPE CULVERTS, TYPE 1 RCCP 12"	FOOT	24
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	5
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1
54244405	FLUSH INLET BOX FOR MEDIAN, STANDARD 542546	EACH	2
550B0040	STORM SEWERS, CLASS B, TYPE 1 10"	FOOT	5
550B0050	STORM SEWERS, CLASS B, TYPE 1 12"	FOOT	31
55019500	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 12"	FOOT	301
55019600	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 15"	FOOT	167
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	2.2
60107600	PIPE UNDERDRAINS 4"	FOOT	1,285
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	2
60238700	INLETS, TYPE A, WITH SPECIAL FRAME AND GRATE	EACH	1
60240210	INLETS, TYPE B, TYPE 1 FRAME, OPEN LID	EACH	1
60240320	INLETS, TYPE B, TYPE 15 FRAME AND LID	EACH	1
60240385	INLETS, TYPE B, WITH SPECIAL FRAME AND GRATE	EACH	1
60246540	INLET BOX, SPECIAL	EACH	3
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	303
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	1,457
60605900	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12	FOOT	151
60606300	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12	FOOT	214
66400105	CHAIN LINK FENCE, 4'	FOOT	473
66405700	CHAIN LINK GATES, 4' X 10' DOUBLE	EACH	1
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	5
67100100	MOBILIZATION	L SUM	1
70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	3
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	2,037
72000100	SIGN PANEL - TYPE 1	SQ FT	87.1
72000200	SIGN PANEL - TYPE 2	SQ FT	10
72900100	METAL POST - TYPE A	FOOT	148.5
72900200	METAL POST - TYPE B	FOOT	181.5
78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	212
78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	2,037
78008240	POLYUREA PAVEMENT MARKING TYPE I - LINE 8"	FOOT	40
78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	97
78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	342

SUMMARY OF QUANTITIES

CODE NO.	CONSTRUCTION TYPE CODE ITEM	J000	
		UNIT	TOTAL QUANTITY
* 78200300	PRISMATIC CURB REFLECTOR	EACH	26
* 80300100	LOCATING UNDERGROUND CABLE	FOOT	382
* 81400205	HEAVY DUTY HAND-HOLE (SPECIAL)	EACH	2
81603035	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	96
81603045	UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	44
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	128
87800100	CONCRETE FOUNDATION TYPE A	FOOT	8
XX001836	POROUS GRANULAR EMBANKMENT, SUBGRADE 12 INCH (SLAG)	SQ YD	1,153
XX001837	POROUS GRANULAR EMBANKMENT, BASE 4 INCH (SLAG)	SQ YD	1,153
XX001838	POROUS GRANULAR EMBANKMENT, BEDDING 2 INCH (SLAG)	SQ YD	1,153
XX001839	GEOBLOCK POLYETHYLENE POROUS PAVEMENT SYSTEM	SQ YD	1,666
XX001840	GEOBLOCK 2 POLYETHYLENE POROUS PAVEMENT SYSTEM	SQ YD	52
XX001841	6" WIDE FLUSH CONCRETE BORDER, 8-3/8"	FOOT	2,581
XX001842	6" WIDE FLUSH CONCRETE BORDER, 18"	FOOT	817
XX001843	POROUS GRANULAR EMBANKMENT, BASE 4 INCH	SQ YD	1,380
XX001844	POROUS GRANULAR EMBANKMENT, BEDDING 2 INCH	SQ YD	1,380
XX001845	PORTLAND CEMENT CONCRETE PAVEMENT 7" (SPECIAL, TEXTURED)	SQ YD	174
XX001846	TRENCH BACKFILL (SLAG)	CU YD	59
XX001847	POROUS GRANULAR BACKFILL (SLAG)	CU YD	7
XX001848	BROKEN CONCRETE DUMPED RIPRAP, RR 4	SQ YD	126
XX001849	BROKEN CONCRETE DUMPED RIPRAP, RR 5	SQ YD	261

EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION (CUT) (CU. YD.)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE * (CU. YD.)	EMBANKMENT (FILL) (CU. YD.)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU. YD.)
ROAD C STA. 10+00 TO STA. 12+50	2,124	1,593	1,090	+503
ROAD D STA. 12+50 TO STA. 19+64.86	3,427	2,570	2,804	-234
ROAD A STA. 0+55 TO STA. 2+04.31	343	257	823	-566
LOCK AND DAM WAY STA. 7+05 TO STA. 9+18.89	118	89	99	-10
TOTALS	6,012	4,509	4,816	-
ADJUSTED TOTALS (NOTE 1)	-	2,255	4,816	-2,561
ON SITE EARTH STOCKPILE	3,415	2,561	0	+2,561
PROJECT TOTALS	9,427	4,816	4,816	0

\* SHRINKAGE FACTOR = 25%

NOTES:

- HALF OF THE EXCAVATED MATERIALS ARE ASSUMED TO BE SURPLUS GRANULAR MATERIALS THAT CAN NOT BE USED IN THE EMBANKMENT WHERE EARTH MATERIALS ARE REQUIRED. SEE THE SPECIAL PROVISIONS.
- 200 CU. YDS. OF FURNISHED EXCAVATION IS INCLUDED IN THIS CONTRACT AND IS ONLY TO BE USED IN THE EVENT THAT THERE IS A SHORTAGE OF ON SITE SUITABLE EMBANKMENT MATERIALS.

REVISIONS

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LEWIS & CLARK COMMUNITY COLLEGE  
SECTION 05-00001 - 00 - PK  
ACCESS ROADS FOR THE  
NATIONAL GREAT RIVERS RESEARCH AND EDUCATION CENTER  
SUMMARY OF QUANTITIES AND SCHEDULES

DWG. NO.  
LP\A\AIC\405829  
PHASE I QUANTITIES.DWG  
REF. BK. - PG. -  
JOB NO. 457111.1  
DSN. BY: DEG  
DWN. BY: CAD  
CHK. BY: DEG  
DATE: SEPT. 8, 2008  
SCALE: AS SHOWN  
SHEET 3 OF 36