

BILL OF MATERIALS

CODE NO.	CONSTRUCTION CODE TYPE: ITEM	UNIT	TOTAL QUANTITY	X088-2A	X088-2A	X088-2A
				027-2015	027-2016	027-2014
20200100	EARTH EXCAVATION	CU YD	540	320	170	50
20700220	POROUS GRANULAR EMBANKMENT	CU YD	1386	590	284	512
20700400	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	308	44	37	227
21400100	GRADING AND SHAPING DITCHES	FOOT	3266	1062	1100	1104
25000300	SEEDING, CLASS 3	ACRE	1.18	.37	.44	.37
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	105	33	39	33
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	105	33	39	33
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	105	33	39	33
25100630	EROSION CONTROL BLANKET	SQ YD	7948	2582	2530	2836
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	118	37	44	37
28000300	TEMPORARY DITCH CHECKS	EACH	29	10	9	10
28000400	PERIMETER EROSION BARRIER	FOOT	891	306	485	100
28000500	INLET AND PIPE PROTECTION	EACH	6	2	1	3
28100107	STONE RIPRAP, CLASS A4	SQ YD	1381	437	389	555
28200200	FILTER FABRIC	SQ YD	1381	437	389	555
31100500	SUB-BASE GRANULAR MATERIAL, TYPE A 6"	SQ YD	695	217	276	202
355011327	HOT-MIX ASPHALT BASE COURSE 10 3/4"	SQ YD	599	187	238	174
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	455	161	160	134
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	3	1	1	1
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	151	83	26	42
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	960	320	320	320
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	478	169	168	141
44000100	PAVEMENT REMOVAL	SQ YD	811	231	355	225
44000152	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"	SQ YD	3771	1162	1329	1280
48101200	AGGREGATE SHOULDERS, TYPE B	TON	53	10	23	20
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	2429	797	844	788
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1	1		
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1			1
50100500	REMOVAL OF EXISTING STRUCTURES NO. 3	EACH	1		1	

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50105200	REMOVE EXISTING CULVERTS	EACH	3	2	1	
50200100	STRUCTURE EXCAVATION	CU YD	2730	867	515	1348
50800105	REINFORCEMENT BARS	POUND	27890	5050	16370	6470
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2220	790	350	1080
51500100	NAME PLATES	EACH	3	1	1	1
54003000	CONCRETE BOX CULVERTS	CU YD	187	51	70	66
54011208	PRECAST CONCRETE BOX CULVERT 12' X 8'	FOOT	98	98		
54021006	PRECAST CONCRETE BOX CULVERT 10' X 6' (M273)	FOOT	64		64	
54021210	PRECAST CONCRETE BOX CULVERT 12' X 10' (M273)	FOOT	84			84
54200223	PIPE CULVERTS, CLASS C, TYPE 1 18"	FOOT	77	77		
54200223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	30		30	
54213453	END SECTIONS 18"	EACH	6	4	2	
63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	1350	437.5	612.5	300
63000025	STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES	FOOT	225	100	75	50
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	6	2	4	
63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	6	2		4
63200310	GUARDRAIL REMOVAL	FOOT	1927	500	869	558
66500105	WOVEN WIRE FENCE, 4'	FOOT	149		149	
66502300	WOVEN WIRE FENCE REMOVAL	FOOT	141		141	
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	19	3	8	8
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	1	1		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	2	2	2
67100100	MOBILIZATION	L SUM	1	0.33	0.33	0.33
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.33	0.33	0.33
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	0.33	0.33	0.33
70100835	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 22	L SUM	1	0.33	0.33	0.33
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	4316	1716	1400	1200
78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	480	155	175	150
78200410	GUARDRAIL MARKERS, TYPE A	EACH	88	30	36	22
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	12	4	4	4
X7011005	TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR	L SUM	1	0.33	0.33	0.33

• SPECIALITY ITEM