

SUMMARY OF QUANTITIES

CONTRACT NO. 97304
FEDERAL AID PROJECT

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STRUCTURAL DESIGN DATA

STRUCTURAL DESIGN TRAFFIC:	YEAR 2017
PV = 1,045	SU = 45 MU = 10
ROAD/STREET CLASSIFICATION:	Class II
PERCENTAGE OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	
P = 50%	S = 50% M = 50%
TRAFFIC FACTOR:	ACTUAL TF = 0.10
	MINIMUM TF = 0.5
SUBGRADE SUPPORT RATING	
	SSR = Poor
THEREFORE USE:	7" NON-REINFORCED P.C.C. PAVEMENT WITH 12.5' MAX. TRANSVERSE JOINT SPACING

CODE NO.	ITEM	UNIT	TOTAL QUANTITIES
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	52
20200100	EARTH EXCAVATION	CU YD	1,540
20800150	TRENCH BACKFILL	CU YD	131
21101815	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	847
25000115	SEEDING, CLASS 1B	ACRE	0.2
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	18
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	18
25000800	POTASSIUM FERTILIZER NUTRIENT	POUND	18
25100105	MULCH, METHOD 1	ACRE	0.4
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	100
28000300	TEMPORARY DITCH CHECKS	EACH	2
28000400	PERIMETER EROSION BARRIER	FOOT	100
28000500	INLET AND PIPE PROTECTION	EACH	12
28100105	STONE RIPRAP, CLASS A3	SQ YD	36
28200200	FILTER FABRIC	SQ YD	36
31100810	SUB-BASE GRANULAR MATERIAL, TYPE A 12"	SQ YD	2,787
35100500	AGGREGATE BASE COURSE, TYPE A 6"	SQ YD	63
40200500	AGGREGATE SURFACE COURSE, TYPE A 6"	SQ YD	124
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	150
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	10
42000200	PORTLAND CEMENT CONCRETE PAVEMENT 7"	SQ YD	2,164
42001300	PROTECTIVE COAT	SQ YD	2,501
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	212
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	2,064
42400800	DETECTABLE WARNINGS	SQ FT	16
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	125
44000300	CURB REMOVAL	FOOT	36
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	257

CODE NO.	ITEM	UNIT	TOTAL QUANTITIES
44000600	SIDEWALK REMOVAL	SQ FT	142
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	77
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	65
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	294
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	57
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	62
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	306
56300100	ADJUSTING SANITARY SEWERS, 8-INCH DIAMETER OR LESS	FOOT	100
60219200	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 10 FRAME AND GRATE	EACH	2
60219530	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	EACH	4
60237480	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	EACH	3
60240327	INLETS, TYPE B, TYPE 23 FRAME AND GRATE	EACH	3
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	2
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	1,409
67100100	MOBILIZATION	L SUM	1
70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	1,664
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	677
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1,469
78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	139
78001140	PAINT PAVEMENT MARKING - LINE 8"	FOOT	86
78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	109
X0322923	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	280
XZ188000	RETAINING WALL REMOVAL	L SUM	1

• SPECIALTY ITEMS