

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 155	07-19114-01-SP	SANGAMON	24	3
MECHANICSBURG TOWNSHIP				

**SUMMARY OF QUANTITIES**

CODE	ITEM	UNIT	QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	80
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	272
20200100	EARTH EXCAVATION	CU YD	12,465
20800150	TRENCH BACKFILL	CU YD	141
21301052	EXPLORATION TRENCH 52" DEPTH	FOOT	200
* 25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	5.2
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	520
28000300	TEMPORARY DITCH CHECKS	EACH	28
28000400	PERIMETER EROSION BARRIER	FOOT	700
28000500	INLET AND PIPE PROTECTION	EACH	5
* 28101700	RIPRAP, SPECIAL	TON	258
35101400	AGGREGATE BASE COURSE, TYPE B	TON	3,587
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	59
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	50
40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2,756
40300300	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	GALLON	5,511
40300500	COVER COAT AGGREGATE	TON	101
40300600	SEAL COAT AGGREGATE	TON	101
50105220	PIPE CULVERT REMOVAL	FOOT	100
50800105	REINFORCEMENT BARS	POUND	230
50800305	WELDED WIRE FABRIC 6X6	SQ YD	137
54213693	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48"	EACH	1
54248500	CONCRETE HEADWALLS	CU YD	25.3
60100945	PIPE DRAINS 12"	FOOT	24
* 60100965	PIPE DRAINS 18"	FOOT	70
61101013	STORM SEWERS PROTECTED, CLASS A, 12"	FOOT	131
* 61133200	FIELD TILE JUNCTION VAULTS, 3' DIA.	EACH	4
6140200	STORM SEWERS, SPECIAL 12"	FOOT	499
67100100	MOBILIZATION	L SUM	1
* 70103700	TRAFFIC CONTROL COMPLETE	L SUM	1
542A0253	PIPE CULVERTS, CLASS A, TYPE 1 48"	FOOT	117
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	32
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	36
* X0325370	SURFACE REMOVAL 4" (SPECIAL)	SQ YD	6,300

CONSTRUCTION TYPE CODE: F000

**EARTHWORK**

LOCATION	EARTH EXCAVATION	EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) SHORTAGE (-)
	CU YD	CU YD	CU YD	CU YD
STAGE 1				
WATER TOWER RD				
STA 20+90 TO STA 29+00	1,280	960	2,170	-1,210
STA 29+00 TO STA 40+90	1,845	1,385	4,160	-2,775
STA 40+90 TO STA 44+00	1,600	1,200	160	1,040
STA 44+00 TO STA 56+00	4,305	3,230	540	2,690
DOWNING RD				
STA 100+55 TO STA 105+00	3,435	2,580	230	2,350
TOTAL	12,465	9,355	7,260	2,095

**BITUMINOUS MATERIALS (PRIME COAT)**

LOCATION	WIDTH FEET	APPLICATION RATE GAL/SQ YD	QTY GALLON
WATER TOWER RD			
STA 20+90 TO STA 45+47	18	0.35	1,720
STA 46+35 TO STA 56+00	18	0.35	676
DOWNING RD			
STA 100+09 TO STA 100+39	VARY	0.35	37
STA 100+39 TO STA 105+00	18	0.35	323
TOTAL			2,756

**BITUMINOUS MATERIALS (COVER AND SEAL COAT)**

LOCATION	WIDTH FEET	APPLICATION RATE GAL/SQ YD	QTY GALLON
WATER TOWER RD			
STA 20+90 TO STA 45+47	18	0.35	3,440
STA 46+35 TO STA 56+00	18	0.35	1,351
DOWNING RD			
STA 100+09 TO STA 100+39	VARY	0.35	74
STA 100+39 TO STA 105+00	18	0.35	646
TOTAL			5,511

**COVER COAT AGGREGATE**

LOCATION	WIDTH FEET	APPLICATION RATE LBS/SQ YD	QTY TON
WATER TOWER RD			
STA 20+90 TO STA 45+47	18	25	62
STA 46+35 TO STA 56+00	18	25	25
DOWNING RD			
STA 100+09 TO STA 100+39	VARY	25	2
STA 100+39 TO STA 105+00	18	25	12
TOTAL			101

**SEAL COAT AGGREGATE**

LOCATION	WIDTH FEET	APPLICATION RATE LBS/SQ YD	QTY TON
WATER TOWER RD			
STA 20+90 TO STA 45+47	18	25	62
STA 46+35 TO STA 56+00	18	25	25
DOWNING RD			
STA 100+09 TO STA 100+39	VARY	25	2
STA 100+39 TO STA 105+00	18	25	12
TOTAL			101

**FIELD TILE REPLACEMENT**

LOCATION	FIELD TILE JUNCTION VAULT 3' DIA EACH	APPROXIMATE LID ELEVATION	APPROXIMATE FLOWLINE ELEVATION	APPROXIMATE STRUCTURE DEPTH
45' RT STA 26+65	1	108.6	105.9	2.7
45' RT STA 27+56	1	110.0	105.1	4.9
20' LT STA 28+70	1	110.3	103.9	6.4
20' LT STA 32+78	1	105.4	100.2	5.2
TOTAL	4			

THE ACTUAL LOCATION OF JUNCTION BOXES, LID ELEVATIONS, AND FLOWLINE ELEVATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

**CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS**

LOCATION	STANDARD	SKEW	SLOPE	CONCRETE HEADWALLS CU YD	REINFORCEMENT BARS POUNDS	WELDED WIRE FABRIC SQ YD
RT STA 27+60.75	542206	60°	1:2	10.75		68.5
LT STA 28+18.80	542206	60°	1:2	10.75		68.5
RT STA 33+00.00	542106	0°	1:2	3.8	230	
TOTAL				25.3	230	137

**AGGREGATE SURFACE COURSE**

LOCATION	WIDTH FEET	THICKNESS INCH	QTY TON
LT STA 41+35 (PE)	12	6	32
LT STA 54+26 (CE)	16	6	27
TOTAL			59

**AGGREGATE BASE COURSE TYPE B**

LOCATION	WIDTH FEET	THICKNESS INCH	QTY TON
WATER TOWER RD			
STA 20+90 TO STA 45+47	18	8	2,239
STA 46+35 TO STA 56+00	18	8	880
DOWNING RD			
STA 100+09 TO STA 100+39	VARY	8	48
STA 100+39 TO STA 105+00	18	8	420
TOTAL			3,587

**TREE REMOVAL**

STA	OFFSET	UNIT	QTY
40+37	34' LT	>15	26
41+03	31' LT		44
41+13	23' LT		20
41+48	64' LT		28
42+20	25' LT	10	
49+46	19' LT	8	
49+46	19' LT	8	
49+67	22' LT		26
49+67	22' LT		14
50+05	18' LT	8	
50+08	22' LT	8	
50+24	19' LT		26
50+61	19' LT		18
50+90	20' LT		32
50+94	19' LT	8	
50+98	24' LT	8	
51+45	20' LT		38
51+59	16' LT	8	
51+65	17' LT	14	
TOTAL		80	272

**SUMMARY OF QUANTITIES & SCHEDULES**

T.R. ROUTE 155  
SECTION 07-19114-01-SP  
MECHANICSBURG TOWNSHIP

CUMMINS ENGINEERING CORPORATION	JOB #: 2205 FILE: 2205TYP DATE: 4/28/2008
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