

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 621	05-00075-05-RS	SANGAMON	72	9

CONTRACT NO. 93439

EARTHWORK

LOCATION	STATION	EARTH EXCAVATION (CUT) CU YD	EARTH EXCAVATION (SHRINKAGE) CU YD	EMBANKMENT CU YD	EARTHWORK BALANCE WASTE (+) SHORTAGE (-) CU YD
IL 104					
1	STA 8+00 TO STA 11+50	515	390	170	220
TR 24					
1	STA 999+00 TO STA 999+50	115	90	45	45
CH 10					
1	STA 0+25 TO STA 1+20	520	390	40	350
2	STA 3+75 TO STA 4+25	15	15	30	-15
3	STA 6+50 TO STA 12+50	175	135	180	-45
4	STA 39+75 TO STA 40+75	35	30	15	15
5	STA 44+50 TO STA 46+25	225	170	60	110
6	STA 9+25 TO STA 11+25	30	25	45	-20
7	STA 67+00 TO STA 69+25	120	90	300	-210
8	STA 107+25 TO STA 109+75	105	80	420	-340
9	STA 143+50 TO STA 145+75	45	35	145	-110
10	STA 170+00 TO STA 171+70	55	45	125	-80
11	STA 176+35 TO STA 177+65	15	15	400	-385
12	STA 195+75 TO STA 197+60	75	60	305	-245
13	STA 219+92 TO STA 220+92	20	15	45	-30
14	STA 292+56 TO STA 294+56	10	10	355	345
TOTAL		2075	1595	2680	-1085

SHRINKAGE = 25%

FURNISHED EXCAVATION = 1085 CU YD

PIPE CULVERTS, CLASS A, TYPE 1

LOCATION	STATION	18" FT	36" FT	48" FT
2	RT STA 3+96	8		
6	RT STA 53+32		8	
6	LT STA 53+35		8	
7	AR STA 68+14			56
TOTAL		8	16	56

PRECAST, REINFORCED CONCRETE FLARED END SECTIONS

LOCATION	STATION	18" EACH	24" EACH	36" EACH	48" EACH
2	LT & RT STA 3+96	2			
3	LT STA 8+60		1		
3	LT STA 10+50		1		
4	LT & RT STA 40+24		2		
6	RT STA 53+32			1	
6	LT STA 53+35			1	
7	RT STA 68+14				1
9	LT & RT STA 144+63		2		
10	LT & RT STA 170+70		2		
13	LT & RT STA 220+42	2			
TOTAL		4	8	2	1

CONCRETE COLLAR

LOCATION	STATION	EACH
2	LT & RT STA 3+96	2
4	LT & RT STA 40+24	2
6	RT STA 53+32	1
6	LT STA 53+35	1
9	LT & RT STA 144+63	2
10	LT & RT STA 170+70	2
13	LT & RT STA 220+42	2
TOTAL		12

CONCRETE REMOVAL

LOCATION	STATION	CU YD
7	LT STA 68+14	2.2
7	RT STA 68+14	2.2
11	RT STA 177+13	0.1
12	LT STA 196+79	0.9
TOTAL		5.4

REMOVAL OF EXISTING STRUCTURES

LOCATION	STATION	EACH
8	STA 108+74	1
TOTAL		1

PRECAST CONCRETE BOX CULVERT (SEE SHEET 34 FOR DETAILS)

LOCATION	STATION	5' x 4' FOOT	6' x 3' FOOT	6' x 4' FOOT
IL 104				
1	STA 9+25			57
CH 10				
5	STA 45+34		50	
14	STA 293+56	63		
TOTAL		63	50	57

BOX CULVERT END SECTION

(FOR CAST-IN-PLACE SEE SHEET 33 FOR PRECAST SEE SHEET 34)

LOCATION	STATION	SIZE	CULVERT NO.1 EACH	CULVERT NO.5 EACH	CULVERT NO.14 EACH
IL 104					
1	* STA 9+25	6'x4'	2		
CH 10					
5	** STA 45+34	6'x3'		2	
14	** STA 293+56	5'x4'			2
TOTAL			2	2	2

* CAST-IN-PLACE ** PRECAST

CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 48"
(SEE SHEET 32 FOR DETAILS)

LOCATION	STATION	EACH
7	LT STA 68+14	1
TOTAL		1

GUARDRAIL REMOVAL

LOCATION	STATION	FOOT
6	LT STA 53+10 TO STA 53+40	63
6	RT STA 53+00 TO STA 53+40	75
TOTAL		138

DITCH CHECK REMOVAL

LOCATION	STATION	EACH
7	LT STA 68+14	1
TOTAL		1

PIPE CULVERT REMOVAL

LOCATION	STATION	TYPE	FOOT
IL 104			
1	RT STA 9+58	15" CMP	20
1	RT STA 9+75	56"x72" CMP	20
CH 10			
2	LT STA 3+96	18" CONC	8
3	LT STA 8+62 TO STA 10+39	24" CMP	190
4	LT STA 40+24	24" CONC	5
5	AR STA 45+34	36" CMP	48
7	AR STA 68+14	36" ARCH CMP	38
13	LT STA 220+14	18" CONC	4
14	AR STA 293+56	60" CONC	53
TOTAL			386

REMOVING INLETS

LOCATION	STATION	EACH
IL 104		
1	RT STA 9+58	1
TOTAL		1

SEE SHEET 40 FOR CONTROLLED LOW-STRENGTH MATERIAL, CLASS D PATCHES, AND AGGREGATE SHOULDER SCHEDULES.

SEE SHEET 16 FOR STORM SEWER SCHEDULES

SEE SHEETS 26-29 FOR SEEDING AND EROSION CONTROL QUANTITIES.

RIPRAP (SPECIAL)

LOCATION	STATION	A3 TON	A4 TON
1	STA 999+00 TO STA 1+25		110
2	STA 3+75 TO STA 4+25	17	
5	STA 44+50 TO STA 46+25	24	
7	STA 67+00 TO STA 69+25	5	
8	STA 106+25 TO STA 109+75		310
11	STA 176+35 TO STA 177+65		28
12	STA 195+75 TO STA 197+60		28
14	STA 292+56 TO STA 294+56	15	
TOTAL		61	476

EXPLORATION TRENCH 52" DEPTH

LOCATION	STATION	FOOT
8	LT STA 107+82	50
8	LT STA 108+45	50
8	LT STA 109+15	50
8	LT STA 107+82 TO STA 108+54	77 *
8	LT STA 107+82 TO STA 108+54	77 *
8	LT STA 108+45 TO STA 108+60	43 *
8	LT STA 109+15 TO STA 108+60	58 *
TOTAL		405

* INCLUDES REMOVAL OF EXISTING TILE

JUNCTION BOX SPECIAL 24"

LOCATION	STATION	EACH
8	LT STA 108+45	1
8	LT STA 109+15	1
TOTAL		2

STORM SEWERS (SPECIAL) 8"

LOCATION	STATION	FOOT
8	LT STA 108+55 TO STA 109+15	60
TOTAL		60

STORM SEWERS (SPECIAL) 12"

LOCATION	STATION	FOOT
8	LT STA 108+35 TO STA 108+45	20
TOTAL		20

STORM SEWERS (SPECIAL) 15"

LOCATION	STATION	FOOT
8	LT STA 107+85 TO STA 108+30	50
8	LT STA 107+85 TO STA 108+30	50
TOTAL		100

RESTRICTED DEPTH MANHOLE 5' DIAMETER

TYPE 1 FRAME, CLOSED LID

LOCATION	STATION	EACH
8	LT STA 107+85	1
* TOTAL		1

* SEE SHEET 16 FOR ADDITIONAL QUANTITIES

SCHEDULE OF QUANTITIES

FAS 621 (CH 10)
SECTION 05-00075-05-RS
SANGAMON COUNTY

CUMMINS ENGINEERING CORPORATION

JOB #: 2171
FILE: 2171SCHD
DATE: 4/30/07