

CONTRACT NO. 64897

20100110: TREE REMOVAL (6 TO 15 UNITS)

STATION	SIDE	TREE REMOVAL (6 TO 15 UNITS)	
		OFFSET FOOT	UNIT
1442+09	LT	37.8	12
1442+27	LT	33.6	8
TOTAL			20

EARTHWORK SCHEDULE

STATION TO STATION	1		2		3		4		5		6		7		8		9		10		11		12		13		
	THEORETICAL EARTHWORK		TOPSOIL ADJUSTMENT		TOPSOIL PLACEMENT		ADJUSTED EARTHWORK		TOPSOIL EXCAVATION AND PLACEMENT (21101505)		EXCESS (BORROW)		CUMULATIVE EXCESS (BORROW)		FURNISHED EXCAVATION (20400800)		EARTH EXCAVATION (20200100)										
	CUT	FILL	4" CUT	4" FILL	4"	CUT	FILL	FILL x 1.25	CUT	FILL	CUT	FILL	CUT	FILL	CUT	FILL	CUT	FILL	CUT	FILL	CUT	FILL	CUT	FILL	CUT	FILL	CUT
FAP 17 (US 52/IL 64)																											
1432+00.60		1444+29.27		2061.1	2185.3	377.2	371.5	6738.3	2438.3	1813.8	2267.3	935.9	(764.8)	(764.8)	611.9	1502.4											
DE-GRADING WATERWAY																											
1441+70.7		1442+34.6		145.8	56.5	15.2	11.4	239.4	161.0	45.1	56.4	33.3	71.3	71.3	(57.1)	127.7											
STAGE CONSTRUCTION																											
1440+49.00		1441+71.30		79.0	192.6	0.0	0.0	0.0	79.0	192.6	240.8	0.0	(161.8)	(161.8)	129.4	79.0											
WILLOW ROAD																											
101+75.84		105+20.00		422.4	50.9	70.6	16.3	782.1	493.0	34.6	43.3	108.6	341.1	341.1	(272.9)	384.4											
PROJECT TOTAL				2,708	2,485	463	399	7,760	3,171	2,086	2,608	1,078	(514)	(514)	411	2,094											

NOTES:

A SHRINKAGE FACTOR OF 20% WAS USED TO DETERMINE THE EXCESS AND BORROW QUANTITIES. SHRINKAGE FACTOR = 1.00/0.80 = 1.25.

COLUMN 5 = (COLUMN 3 + COLUMN 4) x 9
 COLUMN 6 = COLUMN 1 + COLUMN 3
 COLUMN 7 = COLUMN 2 - COLUMN 4
 COLUMN 8 = COLUMN 7 x 1.25 (SHRINKAGE FACTOR)
 COLUMN 9 = (COLUMN 3 + COLUMN 4) x 1.25 (SHRINKAGE FACTOR)
 COLUMN 10 = COLUMN 6 - COLUMN 8 - COLUMN 9
 COLUMN 12 = COLUMN 7 - (COLUMN 6 - COLUMN 9) x 0.80
 COLUMN 13 = COLUMN 6 - COLUMN 9

EARTH EXCAVATION = COLUMN 13
 (PAY ITEM QUANTITY) = 2,094 CU YD

FURNISHED EXCAVATION = COLUMN 12
 (PAY ITEM QUANTITY) = 411 CU YD

TOPSOIL EXCAVATION AND PLACEMENT = COLUMN 9
 (PAY ITEM QUANTITY) = 1,078 CU YD

SEEDING

STATION TO STATION	SIDE	SEEDING, CLASS 2A (25000210)	SEEDING, CLASS 4 (25000310)	MULCH, METHOD 2 (25100115)	MOWING (25000750)
		ACRE			
FAP 17 (US 52/IL 64)					
1432+00.60	1437+00.00	LT	0.24	0.18	0.42
1432+00.60	1436+50.00	RT	0.23	0.26	0.50
1437+50.00	1444+29.27	LT	0.25	0.24	0.49
1437+00.00	1444+29.27	RT	0.22	0.24	0.46
WILLOW ROAD					
101+75.84	103+00.00	LT	0.04	0.06	0.10
101+75.84	103+00.00	RT	0.01	0.01	0.02
103+50.00	105+20.00	LT	0.04	0.06	0.09
103+50.00	105+20.00	RT	0.04	0.03	0.07
TOTAL			1.07	1.08	2.15
USE			1.00	1.25	2.25

25100630: EROSION CONTROL BLANKET

STATION TO STATION	SIDE	LENGTH	WIDTH	AREA
		FOOT		SQ YD
FAP 17 (US 52/IL 64)				
1432+50.0	1436+96.6	LT	446.6	8
1433+00.0	1436+71.7	RT	371.7	8
1440+65.0	1442+45.0	LT	180.0	6
WILLOW ROAD				
101+75.8	102+57.1	LT	81.3	8
101+75.8	102+42.4	RT	66.6	8
103+48.7	105+20.0	LT	171.3	8
103+81.7	105+20.0	RT	138.3	8
TOTAL				1,254.1
USE				1,255

TEMPORARY EROSION CONTROL SEEDING

STATION TO STATION	SIDE	AREA	TEMPORARY EROSION CONTROL SEEDING (28000250)
		ACRES	POUND
FAP 17 (US 52/IL 64)			
1432+00.60	1437+00.00	LT	0.42
1432+00.60	1436+50.00	RT	0.50
1437+50.00	1444+29.27	LT	0.49
1437+00.00	1444+29.27	RT	0.46
WILLOW ROAD			
101+75.84	103+00.00	LT	0.10
101+75.84	103+00.00	RT	0.02
103+50.00	105+20.00	LT	0.09
103+50.00	105+20.00	RT	0.07
TOTAL			2.15
USE			2.25
4 APPLICATIONS			900

28000300: TEMPORARY DITCH CHECKS

STATION TO STATION	SIDE	EACH
FAP 17 (US 52/IL 64)		
1432+00.6	1434+00.0	LT
1432+00.6	1435+25.0	RT
1434+00.0	1435+25.0	LT
1435+25.0	1436+50.0	LT
1435+25.0	1436+69.5	RT
1436+50.0	1436+90.0	LT
1437+47.3	1439+50.0	RT
1437+87.0	1441+00.0	LT
1439+50.0	1441+00.0	RT
1441+00.0	1442+25.0	LT
1441+10.0	1441+50.0	RT
1441+50.0	1442+00.0	RT
1442+00.0	1443+50.0	RT
1443+50.0	1444+29.27	RT
WILLOW ROAD		
101+75.84	102+58.0	LT
101+75.84	102+76.5	RT
103+52.7	105+20.0	LT
103+74.5	105+20.0	RT
TOTAL		59

28000400: PERIMETER EROSION BARRIER

STATION TO STATION	SIDE	LENGTH FOOT
FAP 17 (US 52/IL 64)		
1432+01.1	1433+24.8	RT
WILLOW ROAD		
103+82.8	104+25.0	RT
TOTAL		171.7
USE		172

28000500: INLET AND PIPE PROTECTION

STATION	SIDE	OFFSET FOOT	EACH
FAP 17 (US 52/IL 64)			
1441+03.6	RT	43.8	1
WILLOW ROAD			
102+39.1	RT	28.4	1
102+54.5	LT	38.2	2
103+51.6	LT	40.7	1
TOTAL			5

STONE RIPRAP, CLASS A4 & FILTER FABRIC

STATION TO STATION	SIDE	STONE RIPRAP CLASS A4 (28100207)	FILTER FABRIC (28200200)
		TON	SQ YD
FAP 17 (US 52/IL 64)			
1437+83.1	1438+07.1	LT	21.3
1437+42.0	1440+00.0	RT	228.8
1438+07.1	1441+00.0	LT	173.1
1440+00.0	1441+13.3	RT	157.2
1441+00.0	1441+85.7	LT	50.7
1441+70.6	1442+31.9	LT	56.8
WILLOW ROAD			
102+66.7	102+80.5	RT	8.4
TOTAL			696.3
USE			697

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

FAP ROUTE 17
SCHEDULES OF QUANTITIES

DRAWN BY TJD
CHECKED BY AWM

DATE 8/22/2006