

ATKINSON ROAD - EARTHWORK CALCULATIONS

STATION	DISTANCE	TOPSOIL STRIP	R&D UNSUIT	EARTH EX	EMBANKMENT	PGE	TOPSOIL STRIP	R&D UNSUIT	EARTH EX	EMBANKMENT	PGE	EARTH EX ADJUSTED FOR SHRINKAGE (15%)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
		(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
432+50		418.0	0.0	0.0	566.6	0.0							
433+00	50	349.4	0.0	0.0	499.4	0.0	710.5	0.0	0.0	987.0	0.0	0.0	-987.0
433+50	50	236.9	0.0	4.2	341.7	0.0	542.9	0.0	3.9	778.8	0.0	3.3	-775.5
434+00	50	75.6	0.0	17.3	144.6	0.0	289.4	0.0	19.9	450.2	0.0	16.9	-433.3
434+50	50	78.1	0.0	34.5	118.8	0.0	142.3	0.0	48.0	243.8	0.0	40.8	-203.0
435+00	50	103.5	0.0	55.9	114.7	0.0	168.1	0.0	83.7	216.2	0.0	71.1	-145.0
435+50	50	78.5	0.0	100.0	22.1	0.0	168.5	0.0	144.3	126.7	0.0	122.7	-4.0
436+00	50	69.9	0.0	141.9	6.7	0.0	137.4	0.0	224.0	26.7	0.0	190.4	163.7
436+50	50	85.2	0.0	169.5	6.5	0.0	143.6	0.0	288.3	12.2	0.0	245.0	232.8
437+00	50	404.8	271.0	0.0	501.4	0.0	453.7	250.9	156.9	470.3	0.0	133.4	-336.9
437+50	50	321.5	277.0	0.0	532.5	0.0	672.5	507.3	0.0	957.3	0.0	0.0	-957.3
438+00	50	444.3	271.0	0.0	799.2	0.0	709.0	507.3	0.0	1,233.0	0.0	0.0	-1,233.0
438+50	50	391.0	270.8	0.0	846.0	0.0	773.4	501.6	0.0	1,523.3	0.0	0.0	-1,523.3
439+00	50	166.8	274.7	0.0	618.6	0.0	516.4	505.1	0.0	1,356.0	0.0	0.0	-1,356.0
439+50	50	203.6	278.1	0.0	537.1	0.0	342.9	511.8	0.0	1,070.0	0.0	0.0	-1,070.0
440+00	50	97.9	0.0	35.2	78.0	0.0	279.1	257.5	32.5	569.4	0.0	27.7	-541.8
440+50	50	98.1	0.0	50.5	51.1	0.0	181.4	0.0	79.3	119.4	0.0	67.4	-52.0
441+00	50	99.4	0.0	39.5	127.3	0.0	182.8	0.0	83.3	165.1	0.0	70.8	-94.3
441+50	50	99.5	0.0	15.8	293.4	0.0	184.1	0.0	51.1	389.5	0.0	43.4	-346.0
442+00	50	100.1	0.0	5.0	468.7	0.0	184.8	0.0	19.2	705.6	0.0	16.3	-689.3
442+50	50	104.7	0.0	3.5	575.6	0.0	189.6	0.0	7.8	966.9	0.0	6.7	-960.2
443+00	50	107.0	0.0	1.7	715.9	0.0	196.0	0.0	4.8	1,195.8	0.0	4.1	-1,191.8
443+50	50	171.6	0.0	2.3	727.3	0.0	258.0	0.0	3.7	1,336.3	0.0	3.1	-1,333.2
444+00	50	168.3	0.0	1.1	734.8	0.0	314.7	0.0	3.1	1,353.8	0.0	2.7	-1,351.1
444+50	50	166.1	0.0	1.8	709.3	0.0	309.6	0.0	2.7	1,337.1	0.0	2.3	-1,334.8
445+00	50	166.1	0.0	7.5	667.2	0.0	307.5	0.0	8.6	1,274.5	0.0	7.3	-1,267.2
445+50	50	92.7	0.0	4.6	627.7	0.0	239.5	0.0	11.2	1,198.9	0.0	9.5	-1,189.5
446+00	50	88.6	0.0	0.0	650.7	0.0	167.8	0.0	4.2	1,183.6	0.0	3.6	-1,180.0
446+50	50	0.0	710.4	0.0	993.1	247.8	82.0	657.8	0.0	1,522.0	229.4	0.0	-1,522.0
447+00	50	0.0	784.6	0.0	987.5	273.4	0.0	1,384.3	0.0	1,833.9	482.6	0.0	-1,833.9
447+50	50	0.0	560.8	0.0	692.3	271.2	0.0	1,245.7	0.0	1,555.3	504.2	0.0	-1,555.3
448+00	50	0.0	502.1	0.0	518.7	249.0	0.0	984.1	0.0	1,121.2	481.6	0.0	-1,121.2
448+50	50	0.0	394.9	0.0	295.7	241.5	0.0	830.5	0.0	754.0	454.1	0.0	-754.0
449+00	50	343.4	0.0	0.0	423.2	0.0	317.9	365.6	0.0	665.6	223.6	0.0	-665.6
449+50	50	298.5	0.0	0.0	320.0	0.0	594.3	0.0	0.0	688.1	0.0	0.0	-688.1
450+00	50	80.8	0.0	3.2	87.8	0.0	351.2	0.0	3.0	377.5	0.0	2.5	-375.0
	50						147.5	0.0	4.1	163.7	0.0	3.5	-160.2

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		(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)			
450+50	50	78.5	0.0	1.2	89.0	0.0											
451+00	50	75.8	0.0	0.0	90.8	0.0	142.8	0.0	1.1	166.4	0.0	0.9	-165.4				
451+50	50	75.6	0.0	7.0	32.7	0.0	140.1	0.0	6.4	114.3	0.0	5.5	-108.8				
452+00	50	0.0	64.0	0.0	6.4	0.0	70.0	59.2	6.4	36.2	0.0	5.5	-30.7				
452+50	50	0.0	399.7	0.0	266.5	168.6	0.0	429.3	0.0	252.6	156.1	0.0	-252.6				
453+00	50	0.0	755.5	0.0	647.4	167.0	0.0	1,069.5	0.0	846.2	310.7	0.0	-846.2				
453+50	50	0.0	751.7	0.0	631.7	165.7	0.0	1,395.5	0.0	1,184.4	308.0	0.0	-1,184.4				
454+00	50	0.0	332.4	0.0	201.7	168.7	0.0	1,003.8	0.0	771.6	309.6	0.0	-771.6				
454+50	50	0.0	302.9	0.0	147.0	165.8	0.0	588.2	0.0	322.8	309.7	0.0	-322.8				
455+00	50	340.8	0.0	0.0	354.0	0.0	315.5	280.5	0.0	463.9	153.5	0.0	-463.9				
455+50	50	352.4	0.0	0.0	325.3	0.0	641.8	0.0	0.0	629.0	0.0	0.0	-629.0				
456+00	50	54.8	0.0	18.5	41.1	0.0	377.0	0.0	17.1	339.3	0.0	14.5	-324.7				
456+50	50	53.0	0.0	12.7	34.7	0.0	99.7	0.0	28.8	70.2	0.0	24.5	-45.7				
457+00	50	19.3	0.0	46.1	3.6	0.0	66.9	0.0	54.4	35.4	0.0	46.2	10.8				
457+10.32	10.32	0.0	0.0	33.3	0.0	0.0	3.7	0.0	15.2	0.7	0.0	12.9	12.2				
457+36.40	26.08	0.0	0.0	55.6	0.0	0.0	0.0	0.0	47.7	0.0	0.0	40.6	40.6				
457+50	50	0.0	0.0	144.6	0.6	0.0	0.0	0.0	52.9	0.2	0.0	45.0	44.8				
458+00	50	0.0	0.0	16.5	17.0	0.0	0.0	0.0	149.1	16.3	0.0	126.7	110.5				
458+50	50	0.0	0.0	57.8	8.1	0.0	0.0	0.0	68.7	23.2	0.0	58.4	35.2				
459+00	50	0.0	0.0	113.5	0.5	0.0	0.0	0.0	158.5	7.9	0.0	134.7	126.8				
459+50	50	0.0	0.0	158.9	0.0	0.0	0.0	0.0	252.2	0.4	0.0	214.3	213.9				
460+00	50	0.0	0.0	237.4	0.0	0.0	0.0	0.0	366.9	0.0	0.0	311.9	311.9				
460+50	50	0.0	0.0	224.6	0.0	0.0	0.0	0.0	427.7	0.0	0.0	363.6	363.6				
461+00	50	0.0	0.0	29.7	1.0	0.0	0.0	0.0	235.4	0.9	0.0	200.1	199.2				
461+50	50	0.0	78.1	39.4	2.9	65.0	0.0	72.3	63.9	3.6	60.1	54.3	50.8				
462+00	50	0.0	56.0	17.0	1.4	37.7	0.0	124.1	52.2	3.9	95.0	44.3	40.5				
462+50	50	0.0	60.4	17.0	6.6	45.1	0.0	107.7	31.4	7.3	76.6	26.7	19.4				
462+93.79	43.79	0.0	34.3	12.8	4.0	24.3	0.0	76.8	24.1	8.5	56.2	20.5	12.0				
463+00	50	0.0	34.0	25.1	4.5	24.3	0.0	7.8	4.4	1.0	5.6	3.7	2.7				
463+50	50	0.0	54.7	12.4	10.2	42.0	0.0	34.3	12.8	4.0	24.3	20.5	12.0				
464+00	50	0.0	78.5	6.4	14.4	72.5	0.0	82.1	34.7	13.6	61.3	29.5	15.9				
464+50	50	0.0	85.0	5.1	17.8	78.5	0.0	124.1	52.2	3.9	95.0	44.3	40.5				
465+00	50	0.0	0.0	13.7	18.6	0.0	0.0	78.7	17.4	33.7	72.7	14.8	-18.9				
465+50	50	0.0	0.0	13.8	24.4	0.0	0.0	107.7	31.4	7.3	76.6	26.7	19.4				
466+00	50	0.0	0.0	11.0	17.7	0.0	0.0	76.8	24.1	8.5	56.2	20.5	12.0				
466+50	50	0.0	0.0	6.7	13.6	0.0	0.0	4.4	1.0	5.6	3.7	2.7	2.7				
466+69	19	0.0	0.0	11.5	0.0	0.0	0.0	0.0	6.4	4.8	0.0	5.4	0.7				
<b>TOTAL=</b>													<b>12,116</b>	<b>14,160</b>	<b>3,504</b>	<b>4,597</b>	<b>-32,470</b>



USER NAME: ods  
 FILE NAME: ...2189-ult-trashed.dwg  
 PLOT SCALE: 1/8000 7' in.  
 PLOT DATE: 3/21/2012

DESIGNED: JSM  
 DRAWN: JSM  
 CHECKED: DNM  
 DATE: 02/06/12

REVISED: -  
 REVISED: -  
 REVISED: -  
 REVISED: -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EARTHWORK TABLES

SCALE: N.T.S. SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
198	00-00045-00-PV	LAKE	195 15
			CONTRACT NO. 63640
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			