

DETENTION POND AND DEPRESSIONAL AREA - EARTHWORK CALCULATIONS									
STATION	DISTANCE	TOPSOIL STRIP	EARTH EX	EMBANKMENT	TOPSOIL STRIP	EARTH EX	EMBANKMENT	EARTH EX ADJUSTED FOR SHRINKAGE (15%)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	(FT)	(SQ FT)	(SQ FT)	(SQ FT)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
5+00		0.0	0.0	0.0					
5+21	21	52.9	7.5	0.0	20.6	2.9	0.0	2.5	2.5
5+61	40	198.9	2053.1	0.0	186.5	1,526.4	0.0	1,297.4	1,297.4
6+00	39	191.1	1994.1	0.0	281.7	2,923.0	0.0	2,484.6	2,484.6
6+50	50	161.2	1538.6	0.0	326.2	3,271.1	0.0	2,780.4	2,780.4
7+00	50	138.5	963.4	0.0	277.5	2,316.7	0.0	1,969.2	1,969.2
7+50	50	123.0	563.0	41.6	242.1	1,413.3	38.5	1,201.3	1,162.8
8+00	50	105.7	282.0	105.5	211.7	782.3	136.2	665.0	528.8
8+61	61	91.6	132.4	150.8	222.9	468.0	289.5	397.8	108.4
8+89	28	86.0	0.0	349.2	92.1	68.6	259.3	58.3	-200.9
8+99	10	79.9	0.0	303.0	30.7	0.0	120.8	0.0	-120.8
9+19	20	113.1	140.0	82.3	71.5	51.9	142.7	44.1	-98.6
10+00	81	114.6	150.8	80.5	341.6	436.2	244.2	370.8	126.6
10+50	50	113.0	145.1	79.6	210.8	273.9	148.3	232.9	84.6
11+00	50	122.0	142.7	79.2	217.6	266.5	147.1	226.5	79.4
11+50	50	159.5	94.1	70.4	260.7	219.3	138.5	186.4	47.9
12+00	50	201.9	151.1	36.2	334.7	227.0	98.7	193.0	94.3
12+50	50	238.3	123.4	33.8	407.7	254.2	64.8	216.1	151.3
13+00	50	222.1	116.6	34.5	426.3	222.2	63.2	188.9	125.7
13+50	50	208.3	168.7	28.6	398.5	264.2	58.4	224.5	166.1
14+00	50	206.3	267.5	21.8	383.9	403.9	46.7	343.3	296.6
14+50	50	210.2	260.7	21.8	385.7	489.1	40.5	415.7	375.3
15+00	50	224.7	332.0	20.2	402.7	548.8	38.9	466.5	427.6
15+50	50	169.5	387.4	0.0	365.0	666.1	18.7	566.2	547.5
16+05	55	181.5	447.6	0.0	357.5	850.4	0.0	722.9	722.9
16+55	50	151.3	377.3	0.0	308.2	763.8	0.0	649.2	649.2
16+88	33	111.4	21.8	0.0	160.6	243.9	0.0	207.3	207.3
17+50	62	0.0	0.0	0.0	127.9	25.1	0.0	21.3	21.3
<b>TOTAL=</b>					<b>7,053</b>	<b>18,980</b>			<b>14,038</b>

PAY ITEM	UNIT	ATKINSON ROAD	IL ROUTE 137	IL ROUTE 120	DETENTION POND & DEPRESSIONAL AREA	TOTAL QUANTITY
EARTH EXCAVATION (20200100)	CU YD	3,504	3,717	690	18,980	26,891
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)	CU YD	14,160	1,996	0	0	16,156
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200) (TOPSOIL SURPLUS)*	CU YD	-	-	-	-	6,255
FURNISHED EXCAVATION (20400800)	CU YD	14,100	0	0	0	14,100
POROUS GRANULAR EMBANKMENT, SUBGRADE (Z0042002)	CU YD	4,597	291	0	0	4,888
TOPSOIL EXCAVATION AND PLACEMENT (21101505)**	CU YD	4,358	1,611	280	6,665	12,914

- \* EXCESS TOPSOIL SHALL BE REMOVED FROM THE JOB SITE, PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL.
- \*\* CONTRACTOR SHALL STRIP AND STOCKPILE THIS AMOUNT OF TOPSOIL AT LOCATION APPROVED BY THE ENGINEER. TOPSOIL WILL BE PLACED AT 6" THICKNESS UNDER PROPOSED SEEDING OR SODDING WHEN RESTORATION COMMENCES.



USER NAME = eds  
 FILE NAME = ...2189-shr-schedule83.rgn  
 PLOT SCALE = 1.0000 / 1 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. 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
198	00-00045-00-PV	LAKE	195	17

CONTRACT NO. 63640  
 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT