GRADING REPORT

COMPUTED BY: Ethan Saturday
CHECKED BY:
FEDERAL PROJECT NO: HSIP-60(37)
ROUTE NO. OR STREET: SR-60

STATE NO.: 06009-3247-94
PIN: 129430.00
COUNTY: Bradley

Station	Material Name	End Areas (sq. ft.)	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor	Mass Ordinate	Accum Unadj Vol (cu. yd.)	Accum Adj Vol (cu. yd.)
22+50.00	EARTH							
	Excavation	0	0	0	0.85		0	0
	Fill	1	0	0	1.00	0	0	0
22+94.97	EARTH							
	Excavation	0	0	0	0.85		0	0
	Fill	0	1	1	1.00	-1	1	1
23+00.00	EARTH							
	Excavation	0	0	0	0.85		0	0
	Fill	0	0	0	1.00	-1	1	1
23+05.00	EARTH							
	Excavation	31	3	2	0.85		3	2
	Fill	130	12	12	1.00	-11	13	13
23+35.00	EARTH							
	Excavation	71	57	48	0.85		60	50
	Fill	0	72	72	1.00	-35	85	85
23+50.00	EARTH							
	Excavation	49	33	28	0.85		93	78
	Fill	0	0	0	1.00	-7	85	85

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23+85.00 EARTH								
	Excavation	51	65	55	0.85		158	133
	Fill	0	0	0	1.00	48	85	85
24+00.00 EARTH								
	Excavation	47	27	23	0.85		185	156
	Fill	0	0	0	1.00	71	85	85
24+09.07 EARTH								
	Excavation	72	20	17	0.85		205	173
	Fill	212	36	36	1.00	52	121	121
24+50.00 EARTH								
	Excavation	65	104	88	0.85		309	261
	Fill	227	333	333	1.00	-193	454	454
24+72.02 EARTH								
	Excavation	43	44	37	0.85		353	298
	Fill	247	193	193	1.00	-349	647	647
25+00.00 EARTH								
	Excavation	32	39	33	0.85		392	331
	Fill	249	257	257	1.00	-573	904	904
25+50.00 EARTH								
	Excavation	44	70	60	0.85		462	391
	Fill	187	404	404	1.00	-917	1308	1308

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SHEET **3** OF **13**
STATE NO.: 06009-3247-94
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25+60.00 EARTH								
	Excavation	47	17	14	0.85		479	405
	Fill	159	64	64	1.00	-967	1372	1372
25+70.00 EARTH								
	Excavation	46	17	15	0.85		496	420
	Fill	158	59	59	1.00	-1011	1431	1431
25+78.24 EARTH								
	Excavation	35	12	11	0.85		508	431
	Fill	157	48	48	1.00	-1048	1479	1479
25+80.00 EARTH								
	Excavation	48	3	2	0.85		511	433
	Fill	152	10	10	1.00	-1056	1489	1489
25+85.17 EARTH								
	Excavation	54	10	8	0.85		521	441
	Fill	27	17	17	1.00	-1065	1506	1506
25+90.23 EARTH								
	Excavation	75	12	10	0.85		533	451
	Fill	1	3	3	1.00	-1058	1509	1509
25+98.00 EARTH								
	Excavation	46	17	15	0.85		550	466
	Fill	0	0	0	1.00	-1043	1509	1509

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SHEET **4** OF **13**
STATE NO.: 06009-3247-94
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COUNTY: Bradley

26+00.00 EARTH								
	Excavation	40	3	3	0.85		553	469
	Fill	0	0	0	1.00	-1040	1509	1509
26+50.00 EARTH								
	Excavation	32	67	57	0.85		620	526
	Fill	0	0	0	1.00	-983	1509	1509
26+64.62 EARTH								
	Excavation	28	16	14	0.85		636	540
	Fill	0	0	0	1.00	-969	1509	1509
27+00.00 EARTH								
	Excavation	44	47	40	0.85		683	580
	Fill	1	1	1	1.00	-930	1510	1510
27+50.00 EARTH								
	Excavation	37	75	64	0.85		758	644
	Fill	0	1	1	1.00	-867	1511	1511
28+00.00 EARTH								
	Excavation	46	77	65	0.85		835	709
	Fill	0	0	0	1.00	-802	1511	1511
28+26.37 EARTH								
	Excavation	39	42	35	0.85		877	744
	Fill	0	0	0	1.00	-767	1511	1511

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COUNTY: Bradley

28+50.00 EARTH								
	Excavation	44	36	31	0.85		913	775
	Fill	0	0	0	1.00	-736	1511	1511
29+00.00 EARTH								
	Excavation	43	81	68	0.85		994	843
	Fill	0	0	0	1.00	-668	1511	1511
29+50.00 EARTH								
	Excavation	6	45	39	0.85		1039	882
	Fill	1	1	1	1.00	-630	1512	1512
30+00.00 EARTH								
	Excavation	14	19	16	0.85		1058	898
	Fill	1	2	2	1.00	-616	1514	1514
30+50.00 EARTH								
	Excavation	18	30	25	0.85		1088	923
	Fill	0	1	1	1.00	-592	1515	1515
31+00.00 EARTH								
	Excavation	17	32	28	0.85		1120	951
	Fill	0	0	0	1.00	-564	1515	1515
31+50.00 EARTH								
	Excavation	10	25	21	0.85		1145	972
	Fill	4	4	4	1.00	-547	1519	1519

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32+00.00 EARTH								
	Excavation	17	25	21	0.85		1170	993
	Fill	0	4	4	1.00	-530	1523	1523
32+50.00 EARTH								
	Excavation	19	33	28	0.85		1203	1021
	Fill	0	0	0	1.00	-502	1523	1523
32+60.00 EARTH								
	Excavation	15	6	5	0.85		1209	1026
	Fill	0	0	0	1.00	-497	1523	1523
33+00.00 EARTH								
	Excavation	23	28	24	0.85		1237	1050
	Fill	0	0	0	1.00	-473	1523	1523
33+50.00 EARTH								
	Excavation	21	41	35	0.85		1278	1085
	Fill	0	0	0	1.00	-438	1523	1523
33+81.30 EARTH								
	Excavation	29	29	25	0.85		1307	1110
	Fill	0	0	0	1.00	-413	1523	1523
34+00.00 EARTH								
	Excavation	34	22	19	0.85		1329	1129
	Fill	0	0	0	1.00	-394	1523	1523

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SHEET **7** OF **13**
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COUNTY: Bradley

34+50.00 EARTH								
	Excavation	40	69	58	0.85		1398	1187
	Fill	0	0	0	1.00	-336	1523	1523
35+00.00 EARTH								
	Excavation	42	76	65	0.85		1474	1252
	Fill	0	0	0	1.00	-271	1523	1523
35+50.00 EARTH								
	Excavation	38	74	63	0.85		1548	1315
	Fill	0	0	0	1.00	-208	1523	1523
36+00.00 EARTH								
	Excavation	45	77	65	0.85		1625	1380
	Fill	0	0	0	1.00	-143	1523	1523
36+50.00 EARTH								
	Excavation	29	69	58	0.85		1694	1438
	Fill	0	0	0	1.00	-85	1523	1523
36+83.14 EARTH								
	Excavation	21	31	26	0.85		1725	1464
	Fill	0	0	0	1.00	-59	1523	1523
37+00.00 EARTH								
	Excavation	19	12	11	0.85		1737	1475
	Fill	0	0	0	1.00	-48	1523	1523

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37+50.00 EARTH								
	Excavation	33	48	41	0.85		1785	1516
	Fill	0	0	0	1.00	-7	1523	1523
38+00.00 EARTH								
	Excavation	34	62	53	0.85		1847	1569
	Fill	0	0	0	1.00	46	1523	1523
38+50.00 EARTH								
	Excavation	34	63	54	0.85		1910	1623
	Fill	0	0	0	1.00	100	1523	1523
39+00.00 EARTH								
	Excavation	27	56	48	0.85		1966	1671
	Fill	0	0	0	1.00	148	1523	1523
39+50.00 EARTH								
	Excavation	34	56	48	0.85		2022	1719
	Fill	0	0	0	1.00	196	1523	1523
40+00.00 EARTH								
	Excavation	34	63	54	0.85		2085	1773
	Fill	1	1	1	1.00	249	1524	1524
40+50.00 EARTH								
	Excavation	33	62	53	0.85		2147	1826
	Fill	0	1	1	1.00	301	1525	1525

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41+00.00 EARTH								
	Excavation	34	62	53	0.85		2209	1879
	Fill	0	0	0	1.00	354	1525	1525
41+50.00 EARTH								
	Excavation	53	81	68	0.85		2290	1947
	Fill	0	0	0	1.00	422	1525	1525
42+00.00 EARTH								
	Excavation	19	67	57	0.85		2357	2004
	Fill	0	0	0	1.00	479	1525	1525
42+50.00 EARTH								
	Excavation	44	58	50	0.85		2415	2054
	Fill	0	0	0	1.00	529	1525	1525
43+00.00 EARTH								
	Excavation	50	87	74	0.85		2502	2128
	Fill	0	0	0	1.00	603	1525	1525
43+50.00 EARTH								
	Excavation	47	90	76	0.85		2592	2204
	Fill	0	0	0	1.00	679	1525	1525
44+00.00 EARTH								
	Excavation	84	121	103	0.85		2713	2307
	Fill	0	0	0	1.00	782	1525	1525

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SHEET **10** OF **13**
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44+50.00 EARTH								
	Excavation	93	164	139	0.85		2877	2446
	Fill	1	1	1	1.00	920	1526	1526
45+00.00 EARTH								
	Excavation	87	167	142	0.85		3044	2588
	Fill	0	1	1	1.00	1061	1527	1527
45+50.00 EARTH								
	Excavation	87	161	137	0.85		3205	2725
	Fill	1	1	1	1.00	1197	1528	1528
46+00.00 EARTH								
	Excavation	24	103	87	0.85		3308	2812
	Fill	7	7	7	1.00	1277	1535	1535

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SHEET **11** OF **13**
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G R A N D S U M M A R Y T O T A L S

Material Name	Unadjusted Volumes (cu. yd.)	Adjusted Volumes (cu. yd.)	Mult Factor
EARTH			
Excavation	3308	2812	0.85
Fill	1535	1535	1.00

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S P L I T S U M M A R Y T O T A L S

Material Name	XS Quant Unadjusted Volume (cu. yd.)	XS Quant Adjusted Volume (cu. yd.)	Add/Sub Quant Unadjusted Volume (cu. yd.)	Add/Sub Quant Adjusted Volume (cu. yd.)	Mult Factor
EARTH					
Excavation	3308	2812	0	0	0.85
Fill	1535	1535	0	0	1.00

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B A L A N C E P O I N T S U M M A R Y

Material Name		Cumulative Unadjusted Volumes (cu. yd.)	Cumulative Adjusted Volumes (cu. yd.)	Incremental Unadjusted Volumes (cu. yd.)	Incremental Adjusted Volumes (cu. yd.)	Mult Factor
Station = 23+54.45						
EARTH						
	Excavation	100	85	100	85	0.85
	Fill	85	85	85	85	1.00
Station = 24+17.76						
EARTH						
	Excavation	226	192	126	107	0.85
	Fill	192	192	107	107	1.00
Station = 37+56.60						
EARTH						
	Excavation	1792	1523	1566	1331	0.85