

EARTHWORK SCHEDULE FOR IL 125, IL 123, T.R. 22										
LOCATION	CUT		TOTAL CUT	DISTANCE (X/100)	SUM OF END AREA (CUT) SQ. FT.	FILL		TOTAL FILL	DISTANCE (X/100)	SUM OF END AREA (FILL) SQ. FT.
	LEFT	RIGHT				LEFT	RIGHT			
<b>IL RTE. 125</b>										
152+25	0.0	0.0	0			0.0	0.0	0.0		
				0.25	0.9				0.25	0.5
152+50	1.9	1.6	3.5			1.3	0.8	2.1		
				0.5	3.1				0.5	2.8
153+00	1.4	1.3	2.7			1.9	1.6	3.5		
				0.5	2.9				0.5	3.0
153+50	1.7	1.3	3			1.2	1.2	2.4		
				0.5	4.1				0.5	2.4
154+00	1.8	3.3	5.1			0.7	1.7	2.4		
				0.5	7.5				0.5	2.9
154+50	4.6	5.2	9.8			1.8	1.6	3.4		
				0.5	10.4				0.5	3.6
155+00	5.4	5.5	10.9			2.1	1.6	3.7		
				0.5	13.3				0.5	4.1
155+50	6.2	9.4	15.6			2.6	1.8	4.4		
				0.5	16.9				0.5	4.6
156+00	6.7	11.4	18.1			3.2	1.6	4.8		
				0.5	18.4				0.5	5.1
156+50	7.1	11.5	18.6			3.7	1.7	5.4		
				0.5	18.0				0.5	6.1
157+00	7.4	10.0	17.4			4.3	2.5	6.8		
				0.5	16.9				0.5	8.1
157+50	7.8	8.5	16.3			5.0	4.3	9.3		
				0.5	16.5				0.5	10.7
158+00	8.3	8.4	16.7			5.8	6.3	12.1		
				0.5	16.8				0.5	13.7
158+50	8.6	8.3	16.9			7.2	8.1	15.3		
				0.5	17.6				0.5	16.0
159+00	10.0	8.3	18.31			7.3	9.3	16.6		
				0.5	19.0				0.5	17.0
159+50	11.4	8.3	19.7			6.8	10.6	17.4		
				0.5	21.4				0.5	17.5
160+00	13.9	9.1	23			8.4	9.1	17.5		
				0.5	27.8				0.5	17.7
160+50	20.4	12.1	32.5			10.5	7.4	17.9		
				0.5	41.8				0.5	12.7
161+00	39.1	11.9	51			1.0	6.5	7.5		
<b>IL 125 / IL 123 INTERSECTION</b>										
162+50	22.6	19.0	41.6			6.7	7.3	14		
				0.5	28.6				0.5	15.1
163+00	1.8	13.8	15.6			5.8	10.3	16.1		
				0.5	21.3				0.5	16.4
163+50	13.6	13.4	27			5.7	11.0	16.7		
				0.5	26.8				0.5	16.6
164+00	13.1	13.5	26.6			6.5	10.0	16.5		
				0.5	25.8				0.5	17.0
164+50	11.4	13.6	25			8.3	9.2	17.5		
				0.5	23.8				0.5	17.6
165+00	11.0	11.6	22.6			8.5	9.2	17.7		
				0.5	21.2				0.5	17.6
165+50	10.6	9.1	19.7			7.7	9.7	17.4		
				0.5	17.3				0.5	17.9
166+00	7.9	6.9	14.8			8.7	9.7	18.4		
				0.5	12.5				0.5	19.0
166+50	5.3	4.8	10.1			10.2	9.4	19.6		
				0.5	9.5				0.5	17.6
167+00	4.5	4.3	8.8			7.6	7.9	15.5		
				0.5	7.3				0.5	12.7
167+50	3.7	2.1	5.8			4.8	5.0	9.8		
				0.5	4.7				0.5	8.3
168+00	1.2	2.3	3.5			2.7	4.1	6.8		
				0.5	3.5				0.5	6.3
168+50	1.2	2.2	3.4			2.5	3.3	5.8		
				0.5	4.0				0.5	4.5
169+00	1.4	3.2	4.6			1.1	2.1	3.2		
				0.25	1.2				0.25	0.8
169+25	0.0	0.0	0			0.0	0.0	0		
<b>SUB-TOTALS =</b>					<b>479.9</b>	<b>SUB-TOTALS =</b>				<b>335.4</b>

EARTHWORK SCHEDULE FOR IL 125, IL 123, T.R. 22 (CONTINUED)										
LOCATION	CUT		TOTAL CUT	DISTANCE (X/100)	SUM OF END AREA (CUT) SQ. FT.	FILL		TOTAL FILL	DISTANCE (X/100)	SUM OF END AREA (FILL) SQ. FT.
	LEFT	RIGHT				LEFT	RIGHT			
<b>IL RTE. 123</b>										
246+50	0.0	0.0	0.0			0.0	0.0	0.0		
				0.5	4.2				0.5	0.3
247+00	3.6	4.7	8.3			0.6	0.0	0.6		
				0.5	8.0				0.5	1.5
247+50	5.4	2.2	7.6			1.9	0.4	2.3		
				0.5	22.1				0.5	11.5
248+00	18.9	17.6	36.5			7.2	13.4	20.6		
<b>SUB-TOTALS =</b>					<b>34.2</b>	<b>SUB-TOTALS =</b>				<b>13.2</b>
<b>T.R. 22 (YANKEETOWN RD.)</b>										
7+40	0.0	0.0	0.0			0.0	0.0	0.0		
				0.1	0.1				0.1	0.0
7+50	1.1	0.0	1.1			0.0	0.0	0.0		
				0.5	5.3				0.5	0.0
8+00	9.1	0.3	9.4			0.0	0.0	0.0		
				0.02	0.9				0.02	0.0
8+01.96	24.1	14.3	38.4			0.0	0.0	0.0		
				0.5	30.8				0.5	0.2
8+50	29.3	22.8	52.1			0.0	0.4	0.4		
				0.5	71.7				0.5	0.2
9+00	42.0	49.3	91.3			0.0	0.0	0.0		
<b>SUB-TOTALS =</b>					<b>108.7</b>	<b>SUB-TOTALS =</b>				<b>0.4</b>
<b>TOTALS =</b>					<b>622.8 SQ FT</b>	<b>TOTALS =</b>				<b>349.0 SQ FT</b>
					<b>1,163.3 CU YD</b>					<b>646.3 SQ YD</b>

EARTHWORK SCHEDULE (AROUND INTERSECTION RADII)										
LOCATION (STATION)	CUT		TOTAL CUT	DISTANCE (X/100)	SUM OF END AREA (CUT) SQ. FT.	FILL		TOTAL FILL	DISTANCE (X/100)	SUM OF END AREA (FILL) SQ. FT.
	LEFT	RIGHT				LEFT	RIGHT			
<b>IL RTE. 125/IL RTE. 123 INTERSECTION</b>										
<b>NORTHEAST QUADRANT</b>										
248+00 (IL RTE. 123)	18.9		18.9			7.2		7.2		
				1.26	52.3				1.26	17.5
162+50 (IL RTE. 125)	22.6		22.6			6.7		6.7		
<b>SOUTHEAST QUADRANT</b>										
162+50 (IL RTE. 125)		19.0	19.0				7.3	7.3		
				1.01	43.9				1.01	7.4
9+00 (YANKEE TOWN ROAD)		24.5	24.5			0.0	0.0	0.0		
<b>NORTHWEST QUADRANT</b>										
161+00 (IL RTE. 125)	39.1		39.1			1.0		1.0		
				0.42	23.8				0.42	6.0
248+00 (IL RTE. 123)		17.6	17.6				13.4	13.4		
<b>SOUTHWEST QUADRANT</b>										
161+00 (IL RTE. 125)		11.9	11.9				6.5	6.5		
				1.28	40.6				1.28	8.3
9+00 (YANKEE TOWN ROAD)	19.8		19.8			0.0		0		
<b>TOTALS =</b>					<b>160.6 SQ FT</b>	<b>TOTALS =</b>				<b>39.3 SQ FT</b>
					<b>297.4 CU YD</b>					<b>72.8 CU YD</b>

EARTHWORK OVERALL TOTALS:	
CUT TOTALS =	1,460.7 CU YDS
FILL TOTALS =	719.1 CU YDS X 1.2 SHRINKAGE = 862.9 CU YDS
PAY ITEM:	EARTH EXCAVATION - 1,461 CU YDS

NOTES:  
A 20% SHRINKAGE FACTOR IS USED FOR FILL MATERIAL:  
(719.1 CU YDS) X (1.20) = 862.9 CU YDS  
862.9 CU YDS IS NEEDED FOR COMPACTION  
PROPOSED PAVEMENT REMOVAL FOR YANKEE TOWN ROAD SHALL BE PAID FOR AS EARTH EXCAVATION. THE PAVEMENT MATERIAL (OIL/CHIP) SHALL NOT BE USED FOR PROPOSED FILL MATERIAL BUT SHALL BE HAULED OFF BY THE CONTRACTOR.