

EARTHWORK												
1	2		3		4		5		6		7	
ILL 176 AT SMITH ROAD	CUT EARTH EXCAVATION		UNSUITABLE MATERIAL		FILL EMBANKMENT		ADJUSTMENT FOR SHRINKAGE		EARTHWORK BALANCE WASTE (+) SHORTAGE (-)		TOPSOIL FURNISH & PLACE	
	(CU YD)		(CU YD)		(CU YD)		(CU YD)		(CU YD)		(SQ YD)	
	LEFT STAGE I	RIGHT STAGE II	LEFT STAGE I	RIGHT STAGE II	LEFT STAGE I	RIGHT STAGE II	LEFT STAGE I	RIGHT STAGE II	LEFT STAGE I	RIGHT STAGE II	LEFT STAGE I	RIGHT STAGE II
ILL 176 (STA. 247+80 TO STA. 248+00)	17	6	9	11	0	16	14.5	5.1	14.5	-10.9		
ILL 176 (STA. 248+00 TO STA. 248+60.73)	18	22	13	29	8	31	15.3	18.7	7.3	-12.3		
ILL 176 (STA. 248+60.73 TO STA. 249+00)	14	20	11	15	6	5	11.9	17.0	5.9	12.0		
ILL 176 (STA. 249+00 TO STA. 250+00)	71	163	48	53	2	1	60.4	138.6	58.4	137.6		
ILL 176 (STA. 250+00 TO STA. 250+67.57)	25	144	14	46	2	0	21.3	122.4	19.3	122.4		
ILL 176 (STA. 250+67.57 TO STA. 250+87)	1	30	0	13	2	0	0.9	25.5	-1.2	25.5		
ILL 176 (STA. 250+87 TO STA. 251+00)	1	17	0	8	1	0	0.9	14.5	-0.2	14.5		
ILL 176 (STA. 251+00 TO STA. 252+00)	46	168	27	59	0	0	39.1	142.8	39.1	142.8		
ILL 176 (STA. 252+00 TO STA. 253+00)	166	243	66	71	0	0	141.1	206.6	141.1	206.6		
ILL 176 (STA. 253+00 TO STA. 254+00)	214	216	70	81	0	0	181.9	183.6	181.9	183.6		
ILL 176 (STA. 254+00 TO STA. 254+41.94)	75	34	26	19	0	0	63.8	28.9	63.8	28.9		
ILL 176 (STA. 254+41.94 TO 255+00)	79	8	34	20	0	36	67.2	6.8	67.2	-29.2		
ILL 176 (STA. 255+00 TO STA. 256+00)	138	44	56	59	0	70	117.3	37.4	117.3	-32.6		
ILL 176 (STA. 256+00 TO STA. 257+00)	199	46	59	41	0	18	169.2	39.1	169.2	21.1		
ILL 176 (STA. 257+00 TO STA. 258+00)	188	29	60	39	0	30	159.8	24.7	159.8	-5.4		
ILL 176 (STA. 258+00 TO STA. 259+00)	127	26	55	48	0	64	108.0	22.1	108.0	-41.9		
ILL 176 (STA. 259+00 TO STA. 260+00)	72	24	51	52	19	100	61.2	20.4	42.2	-79.6		
ILL 176 (STA. 260+00 TO STA. 261+00)	40	23	48	54	52	98	34.0	19.6	-18.0	-78.5		
ILL 176 (STA. 261+00 TO STA. 262+00)	28	27	45	55	43	69	23.8	23.0	-19.2	-46.1		
ILL 176 (STA. 262+00 TO STA. 262+58.14)	17	19	20	31	6	16	14.5	16.2	8.5	0.1		
							0.0	0.0	0.0	0.0		
							0.0	0.0	0.0	0.0		
							0.0	0.0	0.0	0.0		
							0.0	0.0	0.0	0.0		
SUB-TOTAL	1536	1309	712	804	141	554	1305.6	1112.7	1164.6	558.7	2640.4	2640.7

COLUMN 1: LOCATION FROM PLANS
 COLUMN 2: CUT QUANTITIES FROM CROSS SECTIONS, WHICH DOES NOT INCLUDE UNSUITABLE MATERIAL
 COLUMN 3: CUT MATERIAL THAT IS DETERMINED TO BE EITHER UNSTABLE OR UNSUITABLE FOR USE IN EMBANKMENT, ASSUME 6" OF UNSUITABLE MATERIAL
 COLUMN 4: QUANTITIES FROM CROSS SECTIONS (FILL)

COLUMN 5: EARTH EXCAVATION THAT IS TO BE USED AS FILL MATERIAL IN THE EMBANKMENT, SHRINKAGE FACTOR WAS DETERMINED TO BE 15%
 COLUMN 6: COLUMN 5 - COLUMN 4, POSITIVE QUANTITY= EXTRA EXCAVATION, NEGATIVE QUANTITY= FURNISHED EXCAVATION NEEDED
 COLUMN 7: TOPSOIL FURNISH AND PLACE= AREA OF SEEDING AND