EARTHWORK

1	2		3		4		5		6		7	
ILL 176 AT SMITH ROAD	CUT EARTH EXCAVATION (CU YD)		UNSUITABLE MATERIAL (CU YD)		FILL EMBANKMENT (CU YD)		ADJUSTMENT FOR SHRINKAGE (CU YD)		EARTHWORK BALANCE WASTE (+) SHORTAGE (-) (CU YD)		TOPSOIL FURNISH & PLACE (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
Smith Rd.(STA. 117+54 TO STA. 118+00)	16	7	18	14	2.2	6	13.6	6.0	11.4	0.0		
Smith Rd.(STA. 118+00 TO STA. 119+00)	159	23	54	35	1	11	135.2	19.6	134.2	8.6		
Smith Rd.(STA. 119+00 TO STA. 119+88)	271	96	70	43	0.85	0	230.4	81.6	229.5	81.6		
Smith Rd.(STA. 119+88 TO STA. 120+00)	29	23	11	8	2.15	0	24.7	19.6	22.5	19.6		
Smith Rd.(STA. 120+00 TO STA. 121+00)	175	106	87	66	1.7	54	148.8	90.1	147.1	36.1		
Smith Rd.(STA. 121+00 TO STA. 121+37)	39	6	15	26	0	54	33.2	5.1	33.2	-48.9		
							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		
							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		
							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		
							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		
							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	689	261	255	192	7.9	125	585.7	221.9	577.8	96.9	1296.8	596.4

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, NEGETIVE QUANTITY= FURNISHED EXCAVATION NEEDED
COLUMN 7: TOPSOIL FURNISH AND PLACE= AREA OF SEEDING AND