

EARTHWORK SCHEDULE

BAL	LOCATION			EARTH EXCAVATION CU YD	AVERAGE SHRINKAGE FACTOR %	EARTH EXC. ADJUSTED FOR SHRINKAGE CU YD	EMBANKMENT CU YD	EXCESS EXCAVATION CU YD	EXCAVATION REQUIRED TO COMPLETE CU YD	BORROW EXCAVATION ** CU YD	REMARKS
	ROUTE / CHAIN	TO	STA								
	STA	TO	STA	CU YD	%	CU YD	CU YD	CU YD	CU YD	CU YD	
	I57										
	I5764A										
	830+00.00	TO	846+50.00	272	22.40	211	3168		2957	3489	
	846+50.00	TO	870+00.00	3849	24.50	2906	3569		663	783	
	870+00.00	TO	882+00.00	99	26.20	73	1332		1259	1486	
	882+00.00	TO	885+00.00	221	34.00	146	91	55			
	I5764B										
	818+00.00	TO	847+00.00	949	24.10	721	3659		2938	3467	
	847+00.00	TO	867+00.00	27	24.00	20	3255		3235	3817	
	867+00.00	TO	880+80.00	117	24.10	89	1995		1906	2249	
	I64										
	I5764C										
	2356+80.00	TO	2363+46.36	53	22.50	41	1415		1374	1621	
	STATION EQUATION										
	2364+05.07	TO	2378+50.00	324	27.20	236	1432		1196	1411	
	2378+50.00	TO	2395+90.00	128	25.10	96	2320		2224	2624	
	I5764D										
	2364+05.07	TO	2378+50.00	539	26.60	396	1460		1064	1255	
	2378+50.00	TO	2400+78.00	1539	23.47	1178	3483		2305	2720	
	I5764E										
	2+25.00	TO	20+83.00	0	19.60	0	5742		5742	6776	
	I5764F										
	2+10.00	TO	12+92.00	1038	26.00	768	1304		536	632	
	TOTAL			9155						32331	

• THE SHRINKAGE FACTOR WAS CALCULATED AT EVERY STATION BASED UPON THE END AREA OF CUT. THE SHRINKAGE FACTOR WAS CALCULATED USING THE FOLLOWING EQUATION:

$$P = (2000 / (E + 37)) + 16$$

WHERE: P = SHRINKAGE FACTOR IN PERCENT
E = END AREA OF CUT IN SQUARE FEET

AND WAS APPLIED TO THE END AREA BY USING THE FOLLOWING EQUATION: END AREA X (1 - P)

THE MAXIMUM SHRINKAGE FACTOR USED WAS 21%

•• A SWELL FACTOR OF 1.18 WAS USED TO CALCULATE BORROW EXCAVATION.