

EARTHWORK SCHEDULE

LOCATION STATION TO STATION	EARTH EXCAVATION	AVERAGE SHRINKAGE FACTOR*	EARTH EXC. ADJUSTED FOR SHRINKAGE	EMBANKMENT	EXCESS EXCAVATION	EXCAVATION REQUIRED TO COMPLETE	BORROW EXCAVATION **	REMARKS
	CU YD	%	CU YD	CU YD	CU YD	CU YD	CU YD	
ILL 34								
1569+80 TO 1630+50	1634							EARTH EX QUANTITY NOT INTENDED FOR REUSE (WIDENING)
1630+50 TO 1635+69	57	41.70	24	174		150	177	
1636+37 TO 1640+00	13	41.70	5	328		323	381	
1651+00 TO 1657+50	634	62.10	394	2433		2039	2406	
SMALL STREET								
37+00 TO 44+50	478	57.40	274	1086		812	958	
DORRIS HEIGHTS ROAD								
45+50 TO 46+90	63	51.30	32	53		21	24	
TOTAL								
	2879						3946	

*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)

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

GUARDRAIL SCHEDULE

LOCATION STATION TO STATION	GUARDRAIL REMOVAL	STEEL PLATE BEAM GUARDRAIL TYPE A 6 FT STEEL POST	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	TRAFFIC BARRIER TERMINAL TYPE 1 (SPECIAL) TANGENT	TRAFFIC BARRIER TERMINAL TYPE 2	TRAFFIC BARRIER TERMINAL TYPE 6B	GUARDRAIL MARKERS, TYPE B	TERMINAL MARKER- DIRECT APPLIED
	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH	EACH
IL 34 LEVEE								
NORTHWEST QUAD.	221	400	12.5	1	2	1	6	1
SOUTHWEST QUAD.	104	100		1		1	4	1
NORTHEAST QUAD.	182	237.5	50	1	2	1	5	1
SOUTHEAST QUAD.	69	175	37.5	3		1	4	3
TOTAL								
	576	912.5	100	6	4	4	19	6