

SUMMARY FOR RUMBLE STRIPS

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH (ENGLISH) LF
PROJECT R-2417BA (METRIC)				
-L-	137+53.566	147+72.000	SB-MED	3341.32
-L-	138+14.210	147+72.000	NB-MED	3142.36
-L-	137+53.566	145+32.883	SB-RT	2556.81
-L-	146+31.909	147+72.000	SB-RT	459.62
-RPD-	10+00.000	11+00.000	LT	328.08
-L-	138+14.210	145+08.517	NB-LT	2277.91
-L-	146+70.000	147+72.000	NB-LT	334.65
-RPA-	10+00.000	11+75.000	RT	574.15
PROJECT R-2417BB (ENGLISH)				
-L-	484+64.47	551+09.517	SB-MED	6645.047
-L-	484+64.47	551+09.517	NB-MED	6645.047
-L-	484+64.47	545+00.00	SB-RT	6035.53
-L-	549+47.30	551+09.517	SB-RT	162.217
-RPC-	1+00.00	5+86.00	RT	486.00
-L-	484+64.47	543+45.00	NB-LT	5880.53
-L-	547+84.07	551+09.517	NB-LT	325.447
-RPB-	1+00.00	6+50.00	LT	550.00
			TOTAL	39744.718
			SAY	39800.00

SUMMARY OF EARTHWORK IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
-L- STA. 484+64.47 TO STA. 514+64.47	205011		336163	131152	
SUMMARY 1	205011		336163	131152	
-L- STA. 514+64.47 TO STA. 544+64.47	204402		98965		105437
-DET- STA. 1+00 TO STA. 16+02.16	3618		1099		2519
-Y1- STA. 11+50 TO STA. 18+77.71	533		470		63
-Y1- STA. 21+30.46 TO STA. 27+50	229		311	82	
-DET- REMOVAL					
-Y1- STA. 13+00 TO STA. 18+15.66	835		349		486
-Y1- STA. 20+87.15 STA. 26+00			2035	2035	
SUMMARY 2	209617		103229	2117	108505
-L- STA. 544+64.47 TO STA. 564+78.65	2165		725563	723398	
-RPB- STA. 10+23.53 TO STA. 24+33.12	6637		103163	96526	
-RPC- STA. 5+86.51 TO STA. 21+88.72	16786		98063	81277	
-LPB- STA. 4+00 TO STA. 8+00	6270		48604	42334	
-LPC- STA. 3+96.61 TO STA. 8+86.12	7125		72764	65639	
-Y3- LT STA. 10+00 TO STA. 40+00	17901		11950		5951
-Y3- LT STA. 40+00 TO STA. 55+50	648		1090	442	
-Y4- STA. 8+63.33 TO STA. 11+76.04	50		200	150	
SUMMARY 3	57582		1061397	1009766	5951
-L- STA. 566+20.65 TO STA. 576+28.84	0		244252	244252	
-Y3- RT STA. 10+00 TO STA. 40+00	1686		4380	2694	
-Y3- RT STA. 40+00 TO STA. 55+50	1236		338		898
SUMMARY 4	2922		248970	246946	898
PROJECT SUBTOTAL	475132		1749759	1389981	115354
WASTE IN LIEU OF BORROW				(-)106172	(-)106172
LOSS DUE TO CLEARING & GRUBBING	(-)24000			(+)24000	
SHOULDER MATERIAL			16877	16877	
5% TO REPLACE BORROW PIT TOPSOIL				66235	
GRAND TOTAL	451132		1766636	1390921	9182
SAY	455000			1400000	
PAVEMENT STRUCTURE VOLUME	= 25147 CY				

UNDERCUT FOR SLOPE STABILITY = 1000 CY (CONTINGENCY)
 UNDERCUT FOR SUBGRADE STABILITY = 500 CY (CONTINGENCY)
 GRADE POINT UNDERCUT = 3500 CY (CONTINGENCY)
 UNDERCUT EST. = 5000 CY

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