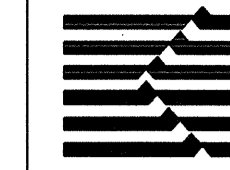


STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS



KCI Associates
 of North Carolina, P.A.
 RALEIGH OFFICE
 ENGINEERS • PLANNERS • ECOLOGISTS

SUITE 200, LANDMARK CENTER I
 460 SIX FORKS RD.
 RALEIGH, N.C. 27609-5210
 (919) 783-924



SUMMARY OF EARTHWORK
 IN CUBIC METERS

LOCATION	UNCL. EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
SUMMARY 1					
-L- LINE (LT)					
STA. 96+62.220 TO STA. 97+34.000	112		114	2	
-L- REV LINE (LT)					
STA. 97+39.400 TO STA. 100+93.730	163		615	452	
STA. 101+04.620 TO STA. 107+40.000	735		1014	279	
STA. 107+40.000 TO STA. 118+00.000	5946		9188	3242	
STA. 118+00.000 TO STA. 128+00.000	1909		14,485	12,576	
STA. 128+00.000 TO STA. 138+00.000	1699		6410	4711	
STA. 138+00.000 TO STA. 148+00.000	3296		12,283	8987	
STA. 148+00.000 TO STA. 158+00.000	4710		13,104	8394	
STA. 158+00.000 TO STA. 168+00.000	6548		11,135	4587	
STA. 168+00.000 TO STA. 178+47.500 (BRIDGE)	870		3018	2148	
STA. 179+11.500 (BRIDGE) TO STA. 190+00.000	2768		686		2082
-Y4-					
STA. 10+14.500 TO STA. 10+80.000	252		158		94
-Y5-					
STA. 10+14.200 TO STA. 10+75.456	601		231		370
SUBTOTAL SUMMARY 1					
	29,609		72,441	45,378	2546
SUMMARY 2					
-L- LINE (RT)					
STA. 96+62.220 TO STA. 97+34.000	83		181	98	
-L- REV LINE (RT)					
STA. 97+39.400 TO STA. 100+94.090	1093		4523	3430	
STA. 101+04.620 TO STA. 107+40.000	3116		2799		317
STA. 107+40.000 TO STA. 118+00.000	4234		7056	2822	
STA. 118+00.000 TO STA. 128+00.000	3888		2479		1409
STA. 128+00.000 TO STA. 138+00.000	2110		2101		9
STA. 138+00.000 TO STA. 148+00.000	2217		1244		973
STA. 148+00.000 TO STA. 158+00.000	2214		2278	64	
STA. 158+00.000 TO STA. 168+00.000	1186		2250	1064	
STA. 168+00.000 TO STA. 178+47.500 (BRIDGE)	1501		278		1223
STA. 179+11.500 (BRIDGE) TO STA. 190+00.000	1276		176		1100
-Y2-					
STA. 10+14.000 TO STA. 10+75.000	1192		5		1187
-Y3-					
STA. 10+14.400 TO STA. 10+71.190	417		21		396
-Y6-					
STA. 10+14.600 TO STA. 10+70.000	55		0		55
-Y7-					
STA. 10+09.200 TO STA. 10+55.452	38		0		38
SUBTOTAL SUMMARY 2					
	24,620		25,391	7478	6707

LOCATION	UNCL. EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
PROJECT SUBTOTAL	54,229		97,832	52,856	9253
WASTE TO BE USED IN LIEU OF BORROW				-9253	-9253
LOSS DUE TO CLEARING & GRUBBING	-300			300	
ESTIMATE FOR SHOULDER MATERIAL			41,053	41,053	
ADDITIONAL UNDERCUT		3600	4500	4500	3600
PROJECT TOTAL	53,929	3600	143,385	89,456	3600
EST. FOR REPL. TOPSOIL ON BORROW PITS				4473	
GRAND TOTAL	53,929			93,929	3600
SAY	54,000			94,000	

-L- PAVEMENT STRUCTURE VOLUME = 9500 M3
 DDE = 1300 M3

SUMMARY OF PAVEMENT REMOVAL

LOCATION	M2
-L- REV LINE (MEDIAN)	
STA. 111+17.000 TO STA. 111+89.500	261
STA. 111+89.500 TO STA. 112+56.000	479
STA. 112+56.000 TO STA. 113+55.000	356
-L- REV LINE, RT. (MEDIAN)	
STA. 183+42.000 TO STA. 185+85.000	535
TOTAL	
	1631
SAY	1650

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