KCI Associates of North Carolina, P.A.
RALEIGH OFFICE
ENGINEERS • PLANNERS • ECOLOGISTS
SUITE 200, LANDMARK CENTER I
4601 SIX FORKS RD.
RALEIGH, N.C. 27609-5210
(919) 783-9214

PROJECT REFERENCE NO.	SHEET NO.
B-3865	3-C
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	

SUMMARY OF EARTHWORK

IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT+%	BORROW	WASTE
SUMMARY 1 – PHASE 1					
-DET1- LINE					
STA. 1+20.40 TO STA. 7+25.64	985	0	219	0	766
-DET2- LINE					
STA. 0+89.55 TO STA. 4+69.36	152	0	146	0	6
SUBTOTAL	1137	0	365	0	772
WASTE TO BE USED IN LIEU OF BORROW					0
SUMMARY 1 TOTAL	1137	0	365	0	772
SUMMARY 2 – PHASE 2					
-L- LINE					
STA. 12+00.00 TO STA. 19+82.40 (BRIDGE)	1840	0	11,473	9633	0
STA. 23+13.60 (BRIDGE) TO STA. 30+98.86	413	0	14,752	14,339	0
SUBTOTAL	2253	0	26,225	23,972	0
WASTE TO BE USED IN LIEU OF BORROW				-772	0
SUMMARY 2 TOTAL	2253	0	26,225	23,200	0
SUMMARY 3 – PHASE 3					
-L- LINE (REMOVE -DET1- & REPLACE)					
STA. 12+00.00 TO STA. 19+82.40 (BRIDGE)	310	0	5508	5198	0
-L- LINE (REMOVE -DET2- & REPLACE)					
STA. 23+13.60 (BRIDGE) TO STA. 30+98.86	163	0	3273	3110	0
SUBTOTAL	473	0	8781	8308	0
REMOVAL OF EXISTING STRUCTURE EMBANKMENT	1300			-1300	
SUMMARY 3 TOTAL	1773	0	8781	7008	0
PROJECT SUBTOTAL	5163	0	35,371	30,208	0
LOSS DUE TO CLEARING & GRUBBING	-350			350	
PROJECT TOTAL	4813	0	35,371	30,558	0
EST. FOR REPL. TOPSOIL ON BORROW PITS				1528	
GRAND TOTAL	4813...SAY 4815	0	35,371	32,086...SAY 32,100	0

ESTIMATED UNDERCUT EXCAVATION = 2,500 CY
-L- PAVEMENT STRUCTURE VOLUME = 34 CY
-DET1- PAVEMENT STRUCTURE VOLUME = 316 CY
-DET2- PAVEMENT STRUCTURE VOLUME = 57 CY
DDE = 1530 CY

SUMMARY OF PAVEMENT REMOVAL

LOCATION	SY
-L- LINE	
STA. 14+55.00 TO STA. 20+36.00 RT.	1395
-L LINE	
STA. 22+61.00 TO STA. 30+45.00 RT.	1584
DETOURS (LT. & RT.)	
-DET1- STA. 1+20.00 TO STA. 7+26.00	1796
-DET2- STA. 0+90.00 TO STA. 4+70.00	1159
TOTAL	5934.....SAY 5950

APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, BORROW EXCAVATION, SHOULDER BORROW, CLEARING AND GRUBBING, FINE GRADING, AND REMOVAL OF EXISTING PAVEMENT WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR "GRADING".

REVISIONS

8/17/99

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