

STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS

**SUMMARY OF EARTHWORK**  
 IN CUBIC YARDS

STATION	STATION	EXCAVATION		EMBANKMENT	BORROW	WASTE
		TOTAL UNCLASSIFIED	UNDERCUT	EMBANKMENT + %		TOTAL
PHASE I (DETOUR)						
SUMMARY NO. 1						
-LDET- 10+00.00	-LDET- 17+04.46	401		13		388
-LDET- 18+47.27	-LDET- 24+58.52	125		52		73
-LDET- ESTIMATED SHOULDER MATERIAL				302	302	
TOTAL SUMMARY NO. 1						
SUBTOTAL		526		367	302	461
PHASE II (MAINLINE)						
SUMMARY NO. 2						
-L- 14+38.38	-L- 21+38.22	380		203		177
-L- 23+00.22	-L- 29+00.00	275		721	446	
-L- ESTIMATED SHOULDER MATERIAL				683	683	
TOTAL SUMMARY NO. 3						
SUBTOTAL		655		1607	1129	177
PHASE III (REMOVE DETOUR)						
SUMMARY NO. 3						
-LDET- 10+00.00	-LDET- 17+04.46	32		8		24
-LDET- 18+47.27	-LDET- 24+58.52	52		8		44
-LDET- SHOULDER REMOVAL				252		252
TOTAL SUMMARY NO. 3						
SUBTOTAL		336		16		320
TOTAL		1517		1990	1431	958
EARTH WASTE TO REPLACE BORROW					-638	-638
LOSS DUE TO CLEARING & GRUBBING		-600			600	
PROJECT TOTAL		917		1990	1393	320
EST. 5% TO REPLACE TOPSOIL ON BORROW PIT					70	
GRAND TOTAL		917		1990	1463	320
SAY		1000			1500	
ESTIMATED SHALLOW UNDERCUT			100 CY			
ESTIMATED DRAINAGE DITCH EXCAVATION			150 CY			
ESTIMATED CLASS IV SUBGRADE STABILIZATION			200 TONS			
ESTIMATED UNDERCUT EXCAVATION			350 CY			
ESTIMATED SELECT GRANULAR MATERIAL			200 CY			
ESTIMATED GEOTEXTILE FOR SOIL STABILIZATION			500 SY			

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2/16/2018

NOTE: APPROXIMATE QUANTITIES ONLY. CLEARING AND GRUBBING, UNCLASSIFIED EXCAVATION, BORROW EXCAVATION, FINE GRADING, AND REMOVAL OF EXISTING ASPHALT PAVEMENT WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR "GRADING."  
 THESE EARTHWORK QUANTITIES ARE BASED IN PART ON SUBSURFACE DATA PROVIDED BY THE GEOTECHNICAL ENGINEERING UNIT.