

COMPUTED BY: SGM DATE: 1/6/2026
 CHECKED BY: JLT DATE: 1/13/26

PROJECT NO. SHEET NO.
 A-0009CD 3B-1

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK IN CUBIC YARDS

Station	Station	Uncl. Excav.	Undercut	Embank. +%	Borrow	Waste
-Y2- 89+80.00	-Y2- 100+00.00	102		8,221	8,119	
-Y3- 10+50.00	-Y3- 14+02.24	2,881		1,334		1,547
-Y2- 90+75.00	-Y2- 99+25.00		2,980			2,980
SUBTOTAL 1		2,983	2,980	9,555	8,119	4,527
-Y2- 100+00.00	-Y2- 130+00.00	7,170		14,190	7,020	
-Y2- 117+75.00	-Y2- 130+00.00		5,076			5,076
SUBTOTAL 2		7,170	5,076	14,190	7,020	5,076
-Y2- 130+00.00	-Y2- 158+00.00	357,395		15,504		341,891
-Y2- 130+00.00	-Y2- 133+75.00		1,554			1,554
-Y2- 138+25.00	-Y2- 141+75.00		2,320			2,320
SUBTOTAL 3		357,395	3,874	15,504		345,765
-Y2- 158+00.00	-Y2- 169+60.00	54,499		670		53,829
SUBTOTAL 4		54,499		670		53,829
TOTAL		422,047	11,930	39,919	15,139	409,197
LOSS DUE TO CLEARING & GRUBBING		-18,000				-18,000
ADDITIONAL UNDERCUT (CONTINGENCY -PER GEOTECH)			750			750
ADDITIONAL UNDERCUT (PER CFI)			10,000			10,000
HARD ROCK WASTE TO REPLACE BORROW					-10,531	-10,531
ADJUST ROCK SWELL				-2,633	-2,633	
ELIMINATE EARTH SHRINKAGE FACTOR				-1,975	-1,975	
ADJUST ROCK SWELL				-1,476		1,476
ELIMINATE EARTH SHRINKAGE FACTOR				-1,107		1,107
APPLY ROCK SWELL FACTOR TO PERMANENTLY WASTED HARD ROCK						29,576
APPLY ROCK SHRINKAGE TO PERMANENTLY WASTED HARD ROCK						22,182
GRAND TOTALS:		404,047	22,680	32,728	0	445,757
SAY		410,000	22,680			

Note: Earthwork quantities are calculated by TGS Engineers. These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.

EST. DDE = 800 CUBIC YARDS
 SELECT GRANULAR MATERIAL, CLASS III = 13,630 CY
 PAVEMENT STRUCTURE VOLUME = 2,300 CY

Quantities are approximate only. The Resident Engineer will recross-section the work accurately when the project is staked out. These cross-section notes will be used in computing the final quantities for which the contractor will be paid.

PAVEMENT REMOVAL SUMMARY IN SQUARE YARDS

SURVEY LINE	Station	Station	LOCATION LT/RT/CL	ASPHALT REMOVAL
-Y2-	89+80	98+47	RT	817.54
-Y2-	92+10	95+00	RT	138.13
-Y2-	98+80	132+27	RT	4,590.52
-Y2-	139+46	154+49	LT	1,957.62
-Y2-	155+33	156+13	LT	46.67
SR 1238 Bill Crisp Rd (Lt of -Y2- 99+50)				163.48
TOTAL:				7,713.96
SAY:				7,750