COMPUTED BY: ADS	DATE: 2/18/2025	PROJECT NUMBER	SHEET NUMBER
		R-4463A	3B-2

RD

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

CHAIN	BEGINNING STATION	ENDING STATION	UNCL. EXCA. C.Y.	UNDERCUT C.Y.	EMBANK. +% C.Y.	BORROW C.Y.	WASTE C.Y.
SUMMARY 1							
-Y-	14+40.00	47+06.23	10,711		11,172	636	175
-Y1-	10+40.00	12+75.00	277		826	549	
-DR1-	10+00.00	13+17.04	192		771	579	
-DET-	38+80.00	48+25.00	257		705	448	
-DET-	38+80.00	48+25.00	761				761
SUBTOTAL			**12,198**		**13,474**	**2,212**	**936**
SUMMARY 2							
-L-	10+25.49	40+50.00	9,672	7,090	57,669	49,974	9,067
-Y2-	10+39.00	11+75.00	11		213	202	
-DET_2-	11+03.05	12+06.48	1		287	286	
-Y3-	10+25.00	11+86.06	24		229	205	
-Y4-	10+39.01	12+00.00	44		151	107	
-DET_2-	11+03.05	12+06.48	268				268
SUBTOTAL			**10,020**	**7,090**	**58,549**	**50,774**	**9,335**
SUMMARY 3							
-L-	40+50.00	70+50.00	4,337	15,332	129,415	127,771	18,025
SUBTOTAL			**4,337**	**15,332**	**129,415**	**127,771**	**18,025**
SUMMARY 4							
-L-	70+50.00	100+50.00	5,258	5,309	84,531	80,855	6,891
SUBTOTAL			**5,258**	**5,309**	**84,531**	**80,855**	**6,891**
SUMMARY 5							
-L-	100+50.00	131+46.40	5,546		9,348	3,802	
SUBTOTAL			**5,546**		**9,348**	**3,802**	
SHEET TOTALS			**37,359**	**27,731**	**295,317**	**265,414**	**35,187**
LOSS DUE TO CLEARING AND GRUBBING			**-800**			**800**	
MATERIAL FOR SHOULDER CONSTRUCTION					**15,210**	**15,210**	
ADDITIONAL UNDERCUT (PER GEOTECH)				**5,050**	**6,565**	**6,565**	**5,050**
SELECT GRANULAR MATERIAL (PER GEOTECH)					**-6,760**	**-6,760**	
EARTH WASTE IN LIEU OF BORROW						**-1,029**	**-1,029**
PROJECT TOTAL			**36,559**	**32,781**	**310,332**	**280,200**	**39,208**
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT						**14,010**	
GRAND TOTAL			**36,559**			**294,210**	
SAY			**36,560**			**294,210**	

DRAINAGE DITCH EXCAVATION = 4300 C.Y.
SHALLOW UNDERCUT = 500 C.Y.
PAVEMENT STRUCTURE VOLUME = 21700 C.Y.

CHAIN	BEGINNING STATION	ENDING STATION	UNCL. EXCA. C.Y.	UNDERCUT C.Y.	EMBANK. +% C.Y.	BORROW C.Y.	WASTE C.Y.

Note: Approximate quantities only. Unclassified Excavation, Fine Grading, Clearing and Grubbing, Breaking of Existing Pavement, and Removal of Existing Pavement will be paid for at the contract lump sum price for "Grading." Borrow Excavation will be paid for as an individual item.

Note: Quantities are approximate only. The Resident Engineer will use methods including but not limited to recross-sectioning, truck measurements, and aerial surveys to compute final quantities which the contractor will be paid.

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

Note: The Total Embankment column does not include backfill for undercut.