COMPUTED BY: T. NGUYEN DATE: 02/02/2024
CHECKED BY: A. CONRAD DATE: 02/02/2024

PROJECT REFERENCE NO.	SHEET NO.
U-5536	3B-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK (CY)

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT+%	BORROW	WASTE
–L– 10+77.76 – 12+33.25	27		285	258	
–L– 13+72.93 – 39+65.26	2,885		13,977	11,092	
–L– 41+05.26 – 57+97.45	479		64,287	63,808	
–L– 59+37.47 – 70+44.54	207		2,900	2,693	
–Y1A– 11+35.00 – 12+94.82	35		43	8	
–Y1A– 14+24.82 – 16+00.00	77		33		44
SUBTOTAL	3,710	0	81,526	77,859	44
–Y1B– 10+18.23 – 16+87.63	315		699	384	
–Y2 10+75.19 – 12+49.56	223		167		56
–Y3– 11+18.91 – 15+82.80	121		621	500	
–Y4– 10+17.67 – 13+51.18	722	1,010	1,454	732	1,010
–Y5– 11+37.35 – 12+32.24	78		24		54
–Y5– 13+62.24 – 15+22.77	24		1,343	1,319	
SUBTOTAL	1,483	1,010	4,308	2,935	1,120
–Y6– 10+18.02 – 12+62.67	39		192	153	
–Y6– 12+98.68 – 14+30.00	11		17	6	
–Y7– 10+18.12 – 12+91.42	197	915	2,065	1,868	915
–Y8– 12+10.10 – 15+74.89	292		183		109
–Y8– 17+14.88 – 18+33.32	103		183	80	
–Y9– 12+15.00 – 12+97.27	13		8		5
SUBTOTAL	655	915	2,648	2,108	1,029
–Y9– 13+34.03 – 13+95.00	36		18		18
–Y10– 11+95.00 – 12+87.42	33		5		28
–Y10– 13+23.61 – 13+76.19	45		5		40
–RABT1– 10+00.00 – 13+26.72	286		1,405	1,119	
–RABT2– 10+00.00 – 13+26.72	21		3,625	3,604	
–RABT3– 10+00.00 – 12+95.30	173		1,350	1,177	
–RABT4– 10+00.00 – 13+26.72	179		2,415	2,236	
SUBTOTAL	773	0	8,822	8,136	86
TOTAL	6,621	1,925	97,304	91,038	2,279
ADDITIONAL UNDERCUT		3,825	4,399	4,399	3,825
SELECT GRANULAR MAT. IN LIEU OF BORROW			–4,025	–4,025	
WASTE IN LIEU OF BORROW				–353	–353
PROJECT TOTAL	6,621	5,750	97,678	91,059	5,750
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT				4,553	
GRAND TOTAL	6,621	5,750	97,678	95,612	5,750
SAY	7,000	5,750		96,000	

UNCLASSIFIED EXCAVATION – ACCEPTABLE, BUT NOT TO BE PLACED IN THE TOP 3' OF EMBANKMENT OR BACKFILL: –L– STA. 21+75.00 TO –L– STA. 24+25.00 (600 CY), CONTINGENCY (500 CY) PER GEOTECH = 1,100 CY TOTAL

UNDERCUT (BY STATIONS) = 1,925 CY
UNDERCUT (CONTINGENCY) = 3,825 CY
TOTAL UNDERCUT = 5,750 CY
SELECT GRANULAR MATERIAL (BY STATIONS) = 3,500 CY
SELECT GRANULAR MATERIAL (CONTINGENCY) = 2,000 CY TOTAL
SELECT GRANULAR MATERIAL = 5,500 CY

SUMMARY OF PAVEMENT REMOVAL (SY)

LINE	STATION – STATION	LOCATION	REMOVAL (SY)
–Y1B–	STA. 15+61 +/– TO 16+04 +/–	RT	50
–Y1B–	STA. 16+32 +/– TO 16+96 +/–	RT	336
–L–	STA. 36+11 +/– TO 39+49 +/–	RT	296
–L–	STA. 66+99 +/– TO 67+15 +/–	RT	4
GRAND TOTAL			686
SAY			690

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

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

6/21/00

SYSTIME = 13:57 DATE = 02/02/24 FILE = U5536_Rdy_sum_3B-1.dgn