COMPUTED BY: ___PBM_____ DATE: ___1/12/2023___
CHECKED BY: ___NC_____ DATE: ___1/12/2023___

PROJECT NO.	SHEET NO.
U-5748	3B-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PAVEMENT REMOVAL SUMMARY

IN SQUARE YARDS

SURVEY LINE	Station	Station	LOCATION LT/RT/CL	ASPHALT REMOVAL	ASPHALT BREAKUP	CONCRETE REMOVAL	CONCRETE BREAKUP
L	26+38	33+40	RT	1336.38			
L	27+94	33+00	LT	239.22			
L	33+95	40+31	CL	1884.82			
L	50+50	66+35	LT	3802.79			
L	55+28	58+27	RT	216.92			
L	58+73	75+09	RT	3409.62			
L	67+65	76+82	LT	737.66			
Y3	12+94	15+11	LT	1144.22			
Y4	10+50	15+33	LT	534.06			
Y4	11+50	17+70	RT	2488.61			
DRIVE4	10+00	11+04	CL	633.36			
Y10	10+76	11+35	CL	295.17			
DET_1	10+00	20+28		2663.91			
		TOTAL:		19386.75			
		SAY:		19390			

SUMMARY OF EARTHWORK

IN CUBIC YARDS

Station	Station	Uncl. Excav.	Embank. +%	Borrow	Waste
-L1- Sta. 19+50.00 Med	-L1- Sta. 40+50.00 Med	1,177	0		1,177
-L1- Sta. 23+42.00 LT	-L1- Sta. 26+02.75 LT	127	819	693	
-L1- Sta. 26+01.98 RT	-L1- Sta. 28+62.23 RT	284	284	0	
-Y10- Sta. 11+08.06	-Y10- Sta. 11+80	0	0		
			0		
SUBTOTALS:		1,588	1,103	693	1,177
-L1- Sta. 44+90.06 Med	-L1- Sta. 61+60.00 Med	937	7		930
-L1- Sta. 47+54.84 LT	-L1- Sta. 50+40.22 LT	106	2,073	1,967	
-L1- Sta. 72+00.00 RT	-L1- Sta. 73+73.50 RT	0	6	6	
SUBTOTALS:		1,042	2,086	1,973	930
-L- Sta. 15+50.00 LT	-L- Sta. 23+38.00 LT (Begin Bridge)	448	526	78	
-L- Sta. 18+10.00 RT	-L- Sta. 23+38.00 (Begin Bridge)	390	1,460	1,070	
SUBTOTALS:		838	1,986	1,148	
-L- Sta. 26+37.00 LT (End Bridge)	-L- Sta. 33+68.82 LT	1,351	4,070	2,719	
-L- Sta. 26+37.00 RT (End Bridge)	-L- Sta. 33+68.82 RT	6,240	5,897		343
-Y1- Sta. 10+71.00	-Y1- Sta. 13+20.00	2,282	76		2,206
-Y4- Sta. 11+50.00	-Y4- Sta. 16+22.36	332	44		288
-Y5- Sta. 10+83.00	-Y5- Sta. 12+85.27	48	76	28	
			0		
SUBTOTALS:		10,253	10,163	2,747	2,837
-L- Sta. 33+68.82 LT	-L- Sta. 50+50.00 LT	5,340	4,813		528
-L- Sta. 33+68.82 RT	-L- Sta. 50+50.00 RT	2,022	18,978	16,956	
SUBTOTALS:		7,362	23,790	16,956	528
-Y2- Sta. 12+00.00	-Y2- Sta. 33+45.68	61,062	10,796		50,266
-Y3- Sta. 11+00.00	-Y3- Sta. 14+93.84	1,638	71		1,567
SUBTOTALS:		62,700	10,867		51,833
-DET_1- Sta. 10+00.00	-DET_1- Sta. 20+28.42	92	939	847	
-L- Sta. 50+50.00 LT	-L- Sta. 58+50.00 LT	1,657	5,726	4,069	
-L- Sta. 50+50.00 RT	-L- Sta. 58+50.00 RT	126	7,360	7,234	
-DRIVE1- Sta. 11+50.00	-DRIVE1- Sta. 12+37.08	125	11		114
-DRIVE2- Sta. 10+83.00	-DRIVE2- Sta. 11+50.00	38	4		34
-DRIVE3- Sta. 10+69.21	-DRIVE3- Sta. 12+00.00	202	36		166
-DRIVE4- Sta. 10+24.54	-DRIVE4- Sta. 11+25.00	24	127	103	
SUBTOTALS:		2,173	13,264	11,405	314
REM -DET_1- Sta. 10+00.00	REM -DET_1- Sta. 20+28.42	782			782
-L- Sta. 58+50.00 LT	-L- Sta. 85+50.00 LT	9,218	3,966		5,252
-L- Sta. 58+50.00 RT	-L- Sta. 85+50.00 RT	2,622	7,583	5,674	713
SUBTOTALS:		12,622	11,549	5,674	6,747
PROJECT TOTALS:		98,578	74,808	40,596	64,365
LOSS DUE TO CLEARING & GRUBBING		-13,600		13,600	
UNSUITABLE MATERIAL		9,100			9,100
WASTE IN LIEU OF BORROW				-54,196	-54,196
PROJECT TOTALS:		94,078	74,808	0	19,269
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT					
GRAND TOTALS:		94,078		0	19,269
SAY:		**94,100**		**0**	**19,300**

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

EST. DDE = 6,710 CUBIC YARDS

*PER GEOTECH RECOMMENDATION, UNCLASSIFIED EXCAVATION – ACCEPTABLE, BUT NOT TO BE USED IN THE TOP 3-FT OF EMBANKMENT OR BACKFILL = 18,000 CY for the following station ranges:
-L- 30+25 to 31+75RT, -L- 39+25 to 41+75LT, -L- 43+25 to 46+25LT, -L- 58+95 to 60+10LT, -L- 75+50 to 76+00LT, -L- 81+00 to 81+59LT, -L1- 28+75 to 30+75CL, -Y2- 19+25 to 21+25LT to RT, and -Y2-25+75 to 29+25LT to RT

CLASS IV SUBGRADE STABILIZATION = 3,100 TON

*PER GEOTECH RECOMMENDATION, ESTIMATED SHALLOW UNDERCUT EXCAVATION = 10,243 CY

*PER GEOTECH RECOMMENDATION, ESTIMATED 1,500 CUBIC YARDS OF UNDERCUT TO BE USED IN THE DISCRETION OF THE RESIDENT ENGINEER.

WOVEN WIRE FENCE SUMMARY

SURVEY LINE	Station	Station	47" FABRIC LF	4" POSTS	5" POSTS
L	41+70	49+17	893.00	57	13
L	50+84	52+05	198.00	9	10
L	52+65	58+40	648.00	36	19
L	58+84	62+09	342.00	16	16
L	62+71	65+11	248.00	14	7
L	78+56	78+79	122.00	5	7
L	80+39	84+64	431.00	27	7
L	49+65	51+65	199.00	10	7
L	52+35	58+22	693.00	38	22
L	75+75	85+00	929.00	63	7
		TOTAL:	4703	275	115
		SAY:	4710	275	115