COMPUTED BY: RLC	DATE: 2-5-21	
CHECKED BY:	DATE:	

PROJECT NO.	SHEET NO.
BR-0017	3B-1

STATE OF NORTH CAROLINA **DIVISION OF HIGHWAYS**

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

SUMMARY OF EARTHWORK

IN CUBIC YARDS

Station	Station	Uncl. Excav.	Embank. +%	Borrow	Waste	
-L- Sta 14+50.00	-L- Sta 17+47.00	12	391	379		
-Y- Sta 10+25.00	-Y- Sta 11+89.86	9	115	106		
SUBTOTALS:		21	506	485		
-L- Sta 19+07.00	-L- Sta 22+50.00	25	586	561		
SUBTOTALS:		25	586	561		
PROJECT TOTALS:		46	1,092	1,046		
MATERIAL FOR SHOULDER CON	STRUCTION		175	175		
PROJECT T	OTALS:	46	1,267	1,221		
5% TO REPLACE TOP SOIL ON BO	-Y- Sta 10+25.00 -Y- Sta 11+89.86 SUBTOTALS: -L- Sta 19+07.00 -L- Sta 22+50.00 SUBTOTALS:			61		
		46	1,267	1,282		
SAY		50		1,400		

EST. DDE = 70 CUBIC YARDS SELECT GRANULAR MATERIAL: 300 CY PER GEOTECH RECOMMENDATION, ESTIMATED 300 CUBIC YARDS OF UNDERCUT TO BE USED IN THE DISCRETION OF THE RESIDENT ENGINEER.

SHOUILDER BERM GUITTER SUMMARY

LINE	Station	Station	LENGTH
-L- LT	17+03.00	17+37.56	34.56
-L- RT	17+03.00	17+28.36	25.36
-L- RT	19+18.34	19+33.00	14.66
		TOTAL:	74.58
		SAY:	75

	PAVEMENT REMOVAL SUMMARY														
			IN SQUA	RE YARDS											
SURVEY LINE	Station	Station	LOCATION LT/RT/CL	ASPHALT REMOVAL	ASPHALT BREAKUP	CONCRETE REMOVAL	CONCRETE BREAKUP								
-L-	16+50.00	17+47.00	CL	280.1											
-L-	19+07.00	20+30.00	CL	329.57											
							<u> </u>								
		TOTAL:		609.67											
		TOTAL.		000.01											
		SAY:		610											

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

CHECKED BY:

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DATE:

DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

PROJECT REFERENCE NO. SHEET NO.

BR-0017

GUARDRAII SUMMARY

	G = GATING IMPACT ATTENUATOR TYPE 350
PRAIL SUMMARY	NG = NON-GATING IMPACT ATTENUATOR TYPE 35

TAL SHOU ARE LENG	ILDER WIDTH = DIS TH = DISTANCE FRO	OM LAST SECTION	F GUARDRAIL E OF TRAVEL LANE TO OF PARALLEL GUARD F TAPER TO END OF G	RAIL TO END OF GUA							Gl	JARD	RAIL	SU	M	MARY	7									G = GATING IMPACT ATTENUNG = NON-GATING IMPACT A	
URVEY	BEG. STA.	END STA.	LOCATION		LENGTH		WARRAN'	T POINT	"N" DIST.	TOTAL SHOUL	FLARE LENGTH		w	ANCHORS								MPACT ENUATOR	SINGLE FACED	REMOVE EXISTING	REMOVE & STOCKPILE	STOCKBILE	REMARKS
LINE	BEG. GTA.	LIND STA.	200/11011	STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END	FROM E.O.L.	WIDTH	APPROACH TRAILI END END		H TRAILING END	Type III	B-77	GREU, GREU, TL-3 TL-2	CAT-1	AT-1	Type III SC	B-77 SC	G	NG	CONCRETE BARRIER	GUARDRAIL	EXISTING GUARDRAIL		
-L-	16+57.34	17+42.71	RT	75.57	26.26		17+42.71		4	11	52.71	1.05			1			1									
·Y-/-L-	10+74.70	17+53.16	LT	48.28	146.64			17+53.16	11	14	25.4:		0.51		1			1									
_	19+02.75	19+84.83	RT	82.08				19+02.75	4	11	59.2		2.12		1	1											
-L-	19+02.73	13+04.03	NI					19+02.73	4	11			2.12		1	1											
-L-	19+13.20	21+22.44	LT	209.24			19+13.20		11	14	50.00	1.00			1	1											
_																											
_	ANCHORDE	DUCTIONS 2 GRE	TOTAL	415.17 -100.00	172.90										4	2		2									
-+		4 B-77 @ 22.875		-91.50	 	1								+	 		 						 				
-+		2 AT-1 @ 6.25'		31.30	-12.50									+	 		+					1					
		1 2 3 3.20	TOTAL	223.67	160.40									1			<u> </u>										
			SAY	225.00	162.50		ADDITIONAL GUAR	DRAIL POSTS = 5																			