COMPUTED BY: _____CB_____ DATE: ___12/15/2025_____
CHECKED BY: ___BE_____ DATE: __2/2/2026__

PROJECT NO.	SHEET NO.
BR-0168	3B-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

IN CUBIC YARDS

Station	Station	Uncl. Excav.	Embank. +%	Borrow	Waste
STAGE 1					
SUMMARY 1					
L (LT) STA 11+50.00	L (LT) STA 20+50.00	713	4884	4171	
RPC,LPC,LPCA (LT)		155	1958	1803	
SUMMARY 1 TOTAL		868	6842	5974	
SUMMARY 2					
L (LT) STA 22+50.00	L (LT) STA 30+50.00	289	4390	4101	
RPB (LT) STA 13+00.00	RPB (LT) STA 15+00.00	165	110		55
LPB (LT) STA 13+00.00	LPB (LT) STA 14+50.00	53	170	117	
SUMMARY 2 TOTAL		507	4670	4218	55
	SUBTOTAL	1375	11512	10192	55
STAGE 2					
SUMMARY 3					
L (RT) STA 11+50.00	L (RT) STA 20+50.00	478	5030.4	4552	
SUMMARY 3 TOTAL		478	5030	4552	
SUMMARY 4					
L (RT) STA 22+00.00	L (RT) STA 30+50.00	692	2459	1767	
RPA 13+00.00	RPA 15+50.00	244	145		99
SUMMARY 4 TOTAL		936	2604	1766	99
	SUBTOTAL	1414	7634	6318	99
TOTAL		2789	19146	16510	153
	LOSS DUE TO CLEARING & GRUBBING	-900		900	
	MATERIAL FOR SHOULDER CONSTRUCTION		132	132	
	WASTE IN LIEU OF BORROW			-153	
	PROJECT TOTALS:	1889	19278	17389	
	EST. 5% TO REPLACE TOP SOIL ON BORROW PIT			869	
	GRAND TOTALS:	1889	19278	8258	
	SAY:	**2000**		**18300**	

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.

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.

PAVEMENT REMOVAL SUMMARY

IN SQUARE YARDS

SURVEY LINE	Station	Station	LOCATION LT/RT/CL	ASPHALT REMOVAL	ASPHALT BREAKUP	CONCRETE REMOVAL	CONCRETE BREAKUP	Comments
-L-	16+50.00	19+39.61			2246.71			
-L-	22+01.22	25+00.00			1774.67			
-L-	10+72.71	16+50.00		5436.02				
-L-	25+00.00	30+25.00		4494.78				
-RPA-	12+50.00	15+14.97		488.22				
-Y3-	10+46.57	11+35.00		814.69				
-LPC-	12+75.00	13+00.00		54.44				
-LPCA-	10+80.16	11+11.13		43.33				
-Y1-	23+89	27+75		170.34				Temp. Pavement
-Y1-	23+80	27+75		176.80				Temp. Pavement
-L-	15+28	15+95		104.44				Temp. Pavement
-L-	11+20	15+85		499.56				Temp. Pavement
		TOTAL:		12,283	4,021			
		SAY:		12,290	4,030			

"N" = DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL
TOTAL SHOULDER WIDTH = DISTANCE FROM EDGE OF TRAVEL LANE TO SHOULDER BREAK POINT.
FLARE LENGTH = DISTANCE FROM LAST SECTION OF PARALLEL GUARDRAIL TO END OF GUARDRAIL
W = TOTAL WIDTH OF FLARE FROM BEGINNING OF TAPER TO END OF GUARDRAIL

GUARDRAIL SUMMARY

G = GATING IMPACT ATTENUATOR TYPE 350
NG = NON-GATING IMPACT ATTENUATOR TYPE 350

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOUL WIDTH	FLARE LENGTH		W		ANCHORS										IMPACT ATTENUATOR		SINGLE FACED CONCRETE BARRIER	REMOVE EXISTING GUARDRAIL	REMOVE & STOCKPILE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	Type III	B-77	GREU, TL-3	GREU, TL-2	CAT-1	AT-1	Type III SC	B-77 SC	TEMP CAT-1	TEMP GREU, TL-3	G	NG				
L	11+00.00	12+40.81	Right	137.1493'			APPROACH		10.5209'	13.5209'	137.15'		7.97'							1								134.6025		
L	17+02.21	19+47.59	Right	242.5564'			APPROACH		11'	14'	223.81'		3.72'		1		1											202.8127'		
L	22+39.99	24+83.74	Left	243.7950'			APPROACH		11'	14'	225.04'		4.5'		1		1											127.1988'		
Y1	23+55.00		Left																					1						
Y1	24+30.25		Left																					1						
Y1	28+00.00		Median																				1							
		Project Totals		623.50																								464.614		
		Anchor Deductions																												
		2 GREU TL-3@50' Each		-100																										
		2 Type III@18.75' Each		-37.5																										
		1 AT-1@6.25' Each		-6.25																										
		Grand Total		479.75																										
		SAY		500											2		2			1			1	2				465		

Steel Beam guardrail quantity ≤ 1,000 LF ADDITIONAL GUARDRAIL POSTS = 5