COMPUTED BY: RLC DATE: 5-30-24
CHECKED BY: DWK DATE: 5-13-25

PROJECT NO.	SHEET NO.
BR-0090	3B-1

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

	IN Co	UBIC YARDS					
Station	Station	Uncl. Excav.	Embank.	Borrow	Waste	PAVEMENTR	Ε
-LDET- Sta 10+85.03	-LDET- Sta 15+54.20	13	7,460	7,447		IN	SC
-LDET- Sta 17+59.41	-LDET- Sta 22+31.04	16	7,796	7,780		SURVEY Station Station LOCAT	_
SUBTOTALS:		29	15,256	15,227		LINE Station Station LOCATI	
						-L- 14+49.00 15+52.85 CL	_
-L- Sta 12+15.00	-L- Sta 15+49.00	31	1,854	1,823		-L- 17+54.97 18+59.00 CL	
-L- Sta 17+59.00	-L- Sta 20+95.00	60	1,663	1,603		-LDET- 10+85.00 13+05.65 CL -LDET- 13+05.65 15+54.20 CL	_
SUBTOTALS:		91	3,517	3,426		-LDET- 17+59.41 20+08.37 CL	_
-LDET- Re	emoval					-LDET- 20+08.37 22+31.04 CL	
-LDET- Sta 10+85.03	-LDET- Sta 15+54.20	4,713			4,713		_
-LDET- Sta 17+59.41	-LDET- Sta 22+00.00	5,461			5,461		_
SUBTOTALS:		10,174			10,174		_
SUBTOTALS:		10,294	18,773	18,653	10,174		_
MATERIAL FOR SHOULD	ER CONSTRUCTION			228			_
PROJECT TOTALS:		10,294	18,773	18,881	10,174	TOTAL	_
EST. 5% TO REPLACE TOPSOIL ON BORROW PIT				944		SAY:	_
ON BORROW FIT				744			
PROJECT T	OTALS:	10,294		19,825	10,174		
GRAND TO	DTALS:	10,294		19,825	10,174	Note: Earthwork quantities are calculated by the Roadway Design Unit. These	
SAY	<u></u>	10,500		20,000		earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.	

			IN SQUAI				
SURVEY LINE	Station	Station	LOCATION LT/RT/CL	ASPHALT REMOVAL	ASPHALT BREAKUP	CONCRETE REMOVAL	CONCRET BREAKU
-L-	14+49.00	15+52.85	CL	304.61			
-L-	17+54.97	18+59.00	CL	298.13			
-LDET-	10+85.00	13+05.65	CL	238.18			
-LDET-	13+05.65	15+54.20	CL	773.27			
-LDET-	17+59.41	20+08.37	CL	774.54			
-LDET-	20+08.37	22+31.04	CL	238.31			
		TOTAL:		2,627.04			

SHOUILDER BERM GUITTER SUMMARY

IN LINEAR FEET

LINE	Station	Station	LENGTH
-L- LT	15+06.25	15+34.83	28.58
-L- RT	15+06.25	15+34.83	28.58
-L- LT	17+73.17	17+99.75	26.58
-L- RT	17+73.17	17+99.75	26.58
	1		
		TOTAL	110.22
		TOTAL:	110.32
		SAY:	112'

COMPUTED BY:	ETC	DATE:	5-05-2025	
CHECKED BY:	DWK	DATE:	5-13-2025	

"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

DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

GUARDRAIL SUMMARY

G = GATING IMPACT ATTENUATOR TYPE 350

SURVEY	BEG. STA.	END STA.	LOCATION		LENGTH		WARRAN		"N" DIST.	TOTAL SHOUL		LENGTH	w			ANCHORS				MPACT ENUATOR	SINGLE FACED	REMOVE EXISTING	REMOVE & STOCKPILE	REMARI	(S			
LINE					SHOP	DOUBLE	APPROACH	TRAILING	FROM	WIDTH	APPROACH		APPROACH	TRAILING			REU,		Type III	Temp		NG	CONCRETE BARRIER	GUARDRAIL	EXISTING GUARDRAIL			
				STRAIGHT	CURVED	FACED	END	END	E.O.L.		END	END	END	END	Type III B-77	TL-3 T	ΓL-2	CAT-1 AT-1	SC	Type III	TL-3	110	DARRIER		GUARDRAIL			
-L-	14+01.13	15+49.00	LT	147.88				15+49.00	6'	9'		50'		1	1	1								26'				
-L-	12+51.13	15+49.00	RT	297.88			15+49.00		6'	9'	50'		1		1	1								26'				
-L-	17+59.00	20+56.88	LT	297.88			17+59.00		6'	9'	50'		1		1	1								26'				
-L-	17+59.00	19+06.88	RT	147.88				17+59.00	6'	9'		50'		1	1	1								26'				
TOTAL				891.50	0.00										4	4								104'				
		LESS ANCHOR	R DEDUCTIONS																									
		B-77	4 @ 22.875' =	91.50																								
		GREU, TL-3	4 @ 50.00' =	200																								
TOTAL				600.00	0.00										4	4								104'				
			SAY =	625.00																				104				
		(10 ADDI	TIONAL GUARDRA	AIL POSTS)																								

TEMPORARY GUARDRAIL SUMMARY

-L- TMP	13+73.00	15+53.00	RT	296.30					1
-L- TMP	17+55.00	18+55.00	RT	153.08					
-LDET-	14+10.45	15+54.20	LT	143.75				1	
-LDET-	10+97.95	15+54.20	RT	456.25				1	
-LDET-	17+59.41	19+65.66	LT	206.25				1	
-LDET-	17+59.41	21+78.16	RT	418.75				1	
TOTAL				1,674.38				4	6
		LESS ANCHOR	DEDUCTIONS						
		Temp Type III	4 @ 18.75' =	75.00					
		Temp TL-3	6 @ 50.00' =	300.00					
TOTAL				1,299.38					
			SAY =	1,150.00					