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COMPUTED BY: KMW DATE: 7/29/21
CHECKED BY: ESM DATE: 7/29/21

PROJECT NO.	SHEET NO.
17BP.1.R.99	3B-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

Station	Station	Uncl. Excav.	Embank. +30%	Borrow	Waste
-EL- STA. 13+85.00	-EL- STA. 17+25.00	24	195	171	
-EL- STA. 17+80.00	-EL- STA. 21+00.00	124	220	96	
SUBTOTALS:		148	415	267	
SUBTOTALS:					
PROJECT TOTALS:		148	415	267	
PROJECT TOTALS:		148	415	267	0
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT				13	
GRAND TOTALS:		148	415	280	0
SAY:		150	420	300	0

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
-EL-	17+13	17+31	CL	43.46			
-EL-	17+73	17+92	CL	45.91			
		TOTAL:		89.37			
		SAY:		100			

SHOULDER BERM GUTTER SUMMARY

LINE	Station	Station	LENGTH
-EL- RT	17+96.00	18+16.00	20
-EL- LT	17+88.00	18+08.00	20
		TOTAL:	40
		SAY:	45

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CHECKED BY: SCB DATE: 9/24/19

"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
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	G	NG				
-L-	16+39.62	17+20.87	LT	81.25'				17+20.87 (BRIDGE)	3' 11"	3' 11"		50'		01'	1		1											
-L-	16+97.88	17+29.13	RT	31.25'	31.25'		17+29.13 (BRIDGE)		3' 11"	3' 11"	06.3'		00.0'		1					1								
-L-	17+84.13	18+65.38	RT	81.25'				17+84.13 (BRIDGE)	3' 11"	3' 11"		50'		1'	1		1											
-L-	17+75.87	18+07.12	LT	31.25'	56.25'		17+75.87 (BRIDGE)		3' 11"	3' 11"	06.3'		00.0'		1					1								
		PROJECT TOTALS:		225.00	87.50										4		2			2								
		ANCHOR DEDUCTIONS:																										
		GREU 350 TL-3: 2 @ 50' EA.		-100.00																								
		TYPE III: 4 @ 18.75' EA.		-75.00																								
		AT-1: 2 @ 6.25' EA.			-12.50																							
		GRAND TOTALS:		150.00	75.00										4		2			2								
		SAY:		175.00	100.00																							
		ADDITIONAL GUARDRAIL POSTS = 5																										