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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
17BP.9.R.14	3B-1

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

GUARDRAIL SUMMARY

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 TYPE 350			SINGLE FACED GUARDRAIL	REMOVE EXISTING GUARDRAIL	REMOVE AND STOCKPILE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	XI MOD	XI	GREU TL-3	M-350	III	CAT-1	VI MOD	BIC	AT-1	EA	G	NG				
-L-	12+72.07	13+46.65	LT.	75'				13+46.65	3'-11"	6'-11"		50'		1'			1		1										
-L-	12+71.27	13+46.65	RT.	75'			13+46.65		3'-11"	6'-11"	50'		1'				1		1										
-L-	14+03.90	14+78.75	LT.	75'			14+03.90		3'-11"	6'-11"	50'		1'				1		1										
-L-	14+03.90	14+79.03	RT.	75'				14+03.90	3'-11"	6'-11"		50'		1'			1		1										
	LESS ANCHOR DEDUCTIONS																												
	TYPE TL-3	4 @ 50.00'	=	200'																									
	TYPE III	4 @ 18.75'	=	75'																									
		TOTAL		25'													4		4										

SUMMARY OF EARTHWORK

STATION	STATION	UNCL. EXCAV.	EMBANK. + %	BORROW	WASTE
11+65.00	13+46.65	40	57	17	0
14+03.90	15+16.87	12	44	32	0
SUBTOTALS:		52	101	49	0
WASTE TO REPLACE BORROW					
PROJECT TOTALS:		52	101	49	0
SAY:		60		50	

NOTE:
1) APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, BORROW EXCAVATION, SHOULDER BORROW, 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."
2) EARTHWORK QUANTITIES EXCLUDE VOLUMES FOR "UNCLASSIFIED BRIDGE EXCAVATION".

SHOULDER BERM GUTTER SUMMARY

SURVEY LINE	STATION	STATION	LENGTH
-L- RT	14+14.78	14+19.78	5.0'
		TOTAL:	5.0'
		SAY:	5.0'

PAVEMENT REMOVAL SUMMARY

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD²
-L-	13+35.77	13+59.96	CL	49
-L-	13+83.96	14+03.90	CL	41
			TOTAL:	90
			SAY:	95