COMPUTED BY: JMH DATE: 1/31/18
CHECKED BY: CWW DATE: 2/2/18

950290	PROJECT REFERENCE NO.	SHEET NO.
	17BP.4.R.89	3B-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

"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 BEGIN

GUARDRAIL SUMMARY

ALN.	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		REMOVE EXISTING GR	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPR. END	TRAIL. END			APPROACH END	TRAILING END	APPR. END	TRAIL. END	TYPE-III	CAT-1	GREU TL-3	B-77	AT-1	G	NG		
L	13+90.88	14+65.88	LT	75.00				14+65.87			50		1		1		1						
L	13+90.88	14+65.88	RT	75.00			14+65.87				50		1		1		1						
L	15+38.13	16+13.13	LT	75.00				15+38.13				50		1	1		1						
L	15+38.13	16+13.13	RT	75.00			15+38.13					50		1	1		1						
			SUBTOTAL:	300.00	0.00										4	0	4	0	0			0.0	
			ANCHOR UNIT DEDUCTIONS:																				
			Type-III @ 18.75' Each	-75.00																			
			Type GREU TL-3 @ 50' Each	-200.00																			
			Type B-77 @ 18.75' Each	0.00																			
			AT-1 @ 6.25' Each	0.00																			
			LESS GUARDRAIL DEDUCTIONS:	25.00	0.00																		
	* 5 ADDITIONAL GUARDRAIL POSTS																						
			PROJECT TOTAL:	25.00	0.00																		
			SAY:	**37.5**	**0.0**										**4**	**0**	**4**	**0**	**0**			**0**	

SUMMARY OF EARTHWORK

IN CUBIC YARDS

CHAIN	BEGINNING STATION	ENDING STATION	UNCL. EXCA. C.Y.	UNDERCUT C.Y.	EMBANK. +% C.Y.	BORROW C.Y.	WASTE C.Y.
SUMMARY 1							
-L-	12+80.00	14+65.87	12		61	49	
-L-	15+38.13	17+15.00	49		75	26	
SUBTOTAL			**61**		**136**	**75**	
SHEET TOTALS			**61**		**136**	**75**	
LOSS DUE TO CLEARING AND GRUBBING			**-1**			**1**	
PROJECT TOTAL			**61**		**136**	**76**	
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT						**4**	
GRAND TOTAL			**61**			**80**	
SAY			**70**			**80**	

DRAINAGE DITCH EXCAVATION = 10 C.Y.

APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, BORROW EXCAVATION, SHOULDER BORROWN, 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."

SHOULDER BERM GUTTER SUMMARY

LINE	Station	Station	LENGTH
-L- LT	14+40.00	14+55.00	15
-L- RT	14+40.00	14+55.00	15
		TOTAL:	30
		SAY:	30

PAVEMENT REMOVAL SUMMARY

IN SQUARE YARDS

SURVEY LINE	Station	Station	LOCATION LT/RT/CL	ASPHALT REMOVAL	ASPHALT BREAKUP	CONCRETE REMOVAL	CONCRETE BREAKUP
-L-	14+45.00	14+75.00	CL	72			
-L-	15+28.00	15+59.00	CL	74			
		TOTAL:		146			
		SAY:		150			

12/20/07
5/24/2018
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bhooper