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 EXISTIN G 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	11+23.88	11+98.88	RT	75.00			11+23.88	11+98.88	5.417	8.417	50		1		1		1						
L	11+23.88	11+98.88	LT	75.00			11+23.88	11+98.88	5.417	8.417	50		1		1		1						
L	12+66.13	13+78.63	RT	112.50			12+66.13	13+24.95	5.417	8.417		50		1	1		1						
L	12+66.13	13+83.75	LT	125.00			12+66.13	13+33.76	5.417	8.417		50		1	1		1						
			SUBTOTAL:	387.50	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:	112.50	0.00																		
	*5 ADDITIONAL GUARDRAIL POSTS																						
			PROJECT TOTAL:	112.50	0.00																		
			SAY:	125.0	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-	10+21.00	11+98.88	13		43	30	
-L-	12+66.13	14+39.00	18		40	22	
SUBTOTAL			31		83	52	
SHEET TOTALS			31		83	52	
LOSS DUE TO CLEARING AND GRUBBING			-0.30			0.30	
PROJECT TOTAL			31		83	52	
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT						3	
GRAND TOTAL			31			54	
SAY			40			60	

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- RT	12+77.00	13+24.95	48
-L- LT	12+77.00	13+33.75	57
		TOTAL:	105
		SAY:	110

PAVEMENT REMOVAL SUMMARY

IN SQUARE YARDS

SURVEY LINE	Station	Station	LOCATION LT/RT/CL	ASPHALT REMOVAL	ASPHALT BREAKUP	CONCRETE REMOVAL	CONCRETE BREAKUP
-L-	11+78	12+06	CL	65.11			
-L-	12+59	12+87	CL	59.77			
		TOTAL:		124.88		0.00	
		SAY:		130		0	

PLANS PREPARED BY :
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RALEIGH, NORTH CAROLINA 27609-3960
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8/9/2018
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