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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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PROJECT REFERENCE NO.	SHEET NO.
14SP.20221J/14SP.20221.2	3B-1

PAVEMENT REMOVAL SUMMARY

IN SQUARE YARDS					
LINE	LOCATION	ASPHALT REMOVAL	ASPHALT BREAK-UP	CONCRETE REMOVAL	CONCRETE REMOVAL
-L-	15+32 TO 16+00	117			
-L-	17+55 TO 18+60	211			
-L-	21+65 TO 22+30	120			
	TOTAL	448			
	SAY	450			

Approximate quantities only. Unclassified excavation, borrow excavation, fine grading, clearing and grubbing, and removal of existing pavement will be paid for at the contract lump sum price for "grading".

SUMMARY OF EARTHWORK

IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT+%	BORROW	WASTE
SUMMARY NO. 1					
-L- STA. 13+00 TO STA. 19+50	511		856	345	
SUBTOTAL SUMMARY NO. 1	511		856	345	
SUMMARY NO. 2					
-L- STA. 19+50 TO STA. 24+50	101		2,032	1,931	
SUBTOTAL SUMMARY NO. 2	101		2,032	1,931	
PROJECT SUBTOTALS	612		2,888	2,276	
EST. LOSS DUE TO CLEARING AND GRUBBING	-20			20	
PROJECT TOTAL	592		2,888	2,296	
EST. 5% FOR REPLACING TOP SOIL ON BORROW PITS				115	
GRAND TOTAL	592			2,411	
SAY	630			2,500	
DDE = 45 CY					

Approximate quantities only. Unclassified excavation, borrow excavation, fine grading, clearing and grubbing, and removal of existing pavement will be paid for at the contract lump sum price for "grading".

CONTINGENCY ITEMS:

INCIDENTAL STONE = 100 TONS

UNDERCUT EXCAVATION = 100 CY

SELECT GRANULAR MATERIAL = 100 CY

CLASS IV SUBGRADE STABILIZATION = 100 TONS

GEOTEXTILE FOR SOIL STABILIZATION = 100 SY

"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	GRAU 350	GRAU 350 TL-2	IA-350 TL-2	TYPE III	TYPE III SHOP CURVED	B-77	AT-1	EA	G	NG				
-L-	13+05.55	14+30.22	RT	125			13+05.55	14+30.22	4	7	50	50	1	1			2													
-L-	14+87.50	15+89.80	RT	93.75	25		14+87.50	15+89.80	4	7	50		1				1						1							GUARDRAIL MOUNTED TO CULVERT SEE CULVERT PLANS
-L-	15+27.51	16+70.22	LT	143.75	12.5		16+70.22	15+27.51	4	7	50		1				1						1							
		14SP.20221.2 SUBTOTAL		362.5	37.5												4						2							
		LESS DEDUCTIONS FOR ANCHORS																												
		GRAU-350 TL-3 4 @ 50'=		-200																										
		AT-1 2 @ 6.25'=		-12.5																										
		14SP.20221.2 PROJECT TOTALS:		150	37.5																									
		ADDITIONAL GUARDRAIL POSTS=5 EA.																												
-L-	19+35.00	23+95.15	LT	456.25	25		23+95.15	19+35.00	4	7		50		1			1						1							GUARDRAIL MOUNTED TO CULVERT SEE CULVERT PLANS
-L-	20+75.00	24+46.55	RT	375			20+75.00	24+46.55	4	7	50	50	1	1			2													
		14SP.20221.1 SUBTOTAL		831.25	25												3						1							
		LESS DEDUCTIONS FOR ANCHORS																												
		GRAU-350 TL-3 3 @ 50'=		-150																										
		AT-1 1 @ 6.25'=		-6.25																										
		14SP.20221.1 PROJECT TOTALS:		675	25																									
		ADDITIONAL GUARDRAIL POSTS=5 EA.																												

6/21/00
10/24/2016
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