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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
14SP.20221.3	3B-1

PAVEMENT REMOVAL SUMMARY

IN SQUARE YARDS					
LINE	LOCATION	ASPHALT REMOVAL	ASPHALT BREAK-UP	CONCRETE REMOVAL	CONCRETE REMOVAL
-L-	12+00 TO 12+51	96			
-L-	14+26 TO 15+80		308		
-L-	15+80 TO 16+25	89			
-Y-	10+11 TO 10+45	75			
	TOTAL	260	308		
	SAY	265	310		

SUMMARY OF EARTHWORK

IN CUBIC YARDS					
LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT+%	BORROW	WASTE
SUMMARY NO.1					
-L- STA. 11+00.00 TO STA. 12+62.81 (BEG BRIDGE)	66		128	62	
SUBTOTAL SUMMARY NO.1	66		128	62	
SUMMARY NO.2					
-L- STA. 14+15.19 (END BRIDGE) TO STA. 16+75.00	87		995	908	
SUBTOTAL SUMMARY NO.2	87		995	908	
PROJECT SUBTOTAL	153		1,123	970	
EST. 5% FOR REPLACING TOP SOIL ON BORROW PITS				49	
GRAND TOTAL	153		1,123	1,019	
SAY	160			1,025	

CONTINGENCY ITEMS:
INCIDENTAL STONE = 50 TONS
UNDERCUT EXCAVATION = 50 CY
SELECT GRANULAR MATERIAL = 50 CY
CLASS IV SUBGRADE STABILIZATION = 50 TONS
GEOTEXTILE FOR SOIL STABILIZATION = 50 SY

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".

"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	GREU TL-2	IA-350 TL-2	TYPE III	TYPE III SHOP CURVED	B-77	AT-1	EA	G	NG				
-L-	11+81.56	12+62.81	LT	81.25				12+62.81	4	7		50					1			1										
-L-	11+81.56	12+62.81	RT	81.25			12+62.81		4	7	50						1			1										
-L-	14+15.39	15+59.14	LT	143.75			14+15.39		4	7	50						1			1										
-L-	14+15.39	14+96.64	RT	81.25				14+15.39	4	7		50					1			1										
			SUBTOTAL	387.50													4			4										
		LESS DEDUCTIONS FOR ANCHORS																												
		GREU 350 TL-3 4 @ 50'=		-200.00																										
		TYPE III 4 @ 18.75'=		-75.00																										
			PROJECT TOTALS:	112.50																										
		ADDITIONAL GUARDRAIL POSTS=5 EA.																												

5/21/2018
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