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5/14/99

COMPUTED BY: KFB	DATE: 10–19–17
CHECKED BY: JSB	DATE: 10–19–17

PROJECT REFERENCE NO.	SHEET NO.
17BP.14.R.149	3B-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT+%	BORROW	WASTE
–L– Sta. 11+45.00 to 13+18.87	114		169	55	
SUBTOTAL	114		169	55	
–L– Sta. 13+66.13 to 15+20.00	217		38		179
SUBTOTAL	217		38		179
PROJECT TOTAL	331		207	55	179
WASTE IN LIEU OF BORROW					
GRAND TOTAL	331			55	179
SAY	340			55	180

Note: Approximate quantities only. Unclassified 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: UNDERCUT EXCAVATION 50 CY
INCIDENTAL STONE 50 TONS
SELECT GRANULAR MATERIAL 50 CY
CLASS IV SUBGRADE STABILIZATION 50 TONS
GEOTEXTILE FOR SOIL STABILIZATION 50 SY

EXISTING PAVEMENT REMOVAL SUMMARY

IN SQUARE YARDS

STATION TO STATION	ASPHALT PAV'T REMOVAL	ASPHALT PAV'T BREAKUP	CONCRETE PAV'T REMOVAL	CONCRETE PAV'T BREAKUP
–L– 11+45.00 TO 13+30.00	360			
–L– 13+55.00 TO 15+20.00	333			
TOTAL	693			
SAY	700			

"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	III SHOP CURVED	GREU TL–2	M–350	III	CAT–1	VI MOD	BIC	AT–1	EA	G	NG				
–L–	12+96.66	13+18.87	LT		50′			13+18.87								1							1							
–L–	12+63.75	13+18.87	RT	56.25′			13+18.87		5′	8′	25′		0.5′				1		1											
–L–	13+66.13	14+33.75	LT	68.75′				13+66.13	5′	8′	25′		0.5′				1		1											
–L–	13+66.13	14+21.25	RT	56.25′			13+66.13		5′	8′		25′		0.5′			1		1											
	TOTAL			181.25′	50′											1	3		3											
	DEDUCTION FOR ANCHOR UNITS																													
	TYPE III SHOP CURVED 1@	18.75′			–18.75′																									
	GREU TYPE TL–2 3@	25′		–75′																										
	TYPE III 3@	18.75′		–56.25′																										
	AT–1 1@	6.25′			–6.25′																									
	GRAND TOTAL			50.00′	25.00′											1	3		3											
	SAY			62.5′	37.5′											1	3		3											

*ADDITIONAL GUARDRAIL POSTS=5

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