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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
17BP.14.R.177	3B-1

SUMMARY OF EARTHWORK

STATION	STATION	UNCL. EXCAV. (CY)	EMBANK. +% (CY)	BORROW (CY)	WASTE (CY)
10+95.00 -L-	14+73.70 -L-	385	117		268
15+26.30 -L-	19+26.00 -L-	771	275		496
10+10.00 -DR1-	11+70.00 -DR1-	113	14		99
10+10.00 -DR2-	11+72.00 -DR2-	44	251	207	
SUBTOTAL 1:		1313	657	207	863
WASTE USED FOR BORROW				-207	-207
PROJECT TOTALS		1313	657	0	656
EST 5% TOPSOIL FOR BORROW PITS			33		
GRAND TOTALS:		1313	690		656
SAY:		1320			

NOTE:
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

ITEM	QUANTITY	UNIT
INCIDENTAL STONE BASE	50	TONS
UNDERCUT EXCAVATION	50	CY

SHOULDER BERM GUTTER SUMMARY

LINE	STATION	STATION	LENGTH FT
-L-	15+42.77 (LT)	16+05.00 (LT)	62.23
-L-	15+31.23 (RT)	15+48.08 (RT)	16.85
		TOTAL:	79.08
		SAY:	80

PAVEMENT REMOVAL SUMMARY

LINE	STATION	STATION	LOCATION LT/RT/CL	YD^2
-L-	11+51.00	14+72.00	CL	362.36
-L-	15+16.00	15+82.00	CL	40.01
-L-	16+11.00	19+01.00	CL	454.38
			TOTAL:	856.75 SY
			SAY:	860

"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

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	TYPE III	GREU TL-2	M-350	XIII	CAT-1	VI MOD	BIC	AT-1	EA	G	NG				
-L-	14+45.76	14+84.00	LT	25'	18.75'			14+82.20 BRIDGE	2'-5"	6'-0"						1							1							
-L-	14+18.66	14+69.66	RT	50'			14+66.61 BRIDGE		2'-5"	6'-0"	25'-0"		0'-6"			1	1													
-L-	15+30.34	16+39.66	LT	106.25'			15+32.20 BRIDGE		2'-5"	6'-0"	25'-0"		0'-6"			1	1													
-L-	15+16.00	15+49.68	RT	18.75'	31.25'			15+16.61 BRIDGE	2'-5"	6'-0"						1							1							
			SUBTOTAL	200'	50'																									
			LESS DEDUCTIONS																											
			GREU TL-2 (2 x 25)=	50'																										
			AT-1 (2 x 6.25)=		12.5'																									
			TYPE III (4 x 18.75)=	75'																										
			SUBTOTAL	125'	12.5'																									
			TOTALS	75'	37.5'											4	2						2							
			SAY	75'	37.5'		ADDITIONAL GUARDRAIL POSTS = 5									4	2						2							

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