

COMPUTED BY: JTG DATE: 7/28/2003
 CHECKED BY: KFH DATE: 5/27/2004

PROJECT NO. B-3667 SHEET NO. 3-B

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

CUBIC YARDS					
STATION	STATION	UNCL. EXCAV.	EMBANK. +%	BORROW	WASTE
SUMMARY NO. 1					
11+10.00	12+27.00	30	369	339	
TOTAL SUMMARY NO. 1		30	369	339	
SUMMARY NO. 2					
12+78.00	15+36.00	976	191		785
TOTAL SUMMARY NO. 2		976	191		785
SUMMARY NO. 3					
15+70.00	17+50.00	112	396	284	
TOTAL SUMMARY NO. 3		112	396	284	
SUBTOTALS:		1118	956	623	785
ADJUSTMENT DUE TO:					
Est. Loss Due to Clearing & Grubbing		-100			-100
Waste to Replace Borrow				-623	-623
PROJECT TOTALS:		1018		0	62
GRAND TOTALS:					
SAY:		1100			

Est. undercut Contingency Item = 200 Cu. Yd.
 Est. Undercut "Grade Point" = 50 Cu. Yd.
 Est. Select Granular Material = 700 Cu. Yd.
 Est. Pavemetrn Structure Volume = 220 Cu. Yd.

SUMMARY OF PAVEMENT REMOVAL & BREAK-UP

SUQURE YARDS							
LINE	STA	STA	LOC	ASPHALT REMOVAL	ASPHALT BREAK-UP	CONC. REMOVAL	CONC. BREAK-UP
-L-	11+87.00	12+20.00	LT	44.4			
-L-	12+62.00	13+18.00	LT	61.9			
-L-	15+04.00	15+34.00	LT	28.9			
-L-	15+64.00	15+92.00	LT	32.2			
TOTAL				167.4			
SAY				170			

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

GUARDRAIL SUMMARY

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

N' = DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL.
 TOTAL SHOULDER WIDER = DISTANCE FORM EDGE OF TRAVEL LANE TO SHOULDER BREAK POINT.
 FLARE LENGTH = DISTANCE FROM LAST SECTION OF PARALLEL GUARDRAIL TO END OF GUARDRAIL.

LINE	BEG. STA.	END STA.	LOC.	LENGTH			WARRANT POINT		"N" DIST FROM E.O.L.	TOTAL SHLDR WIDTH	FLAIR LENGTH		W		ANCHORS				IMP. ATTEN. TYPE 350			REMOVE EXISTING GRDRAIL	REMARKS
				STRAIGHT LIN. FT.	SHOP CURVED	DOUBLE FACED	APPR. END	TRAIL. END			APPR. END	TRAIL. END	APPR. END	TRAIL. END	TYPE III	GRAU 350	AT-1	EA	G	NG			
-L-	11+09.00	12+09.00	RT	100.0			BRIDGE		4	7	50		1.0		1	1							
-L-	12+04+/-	12+09.00	LT		25		BRIDGE		4	7					1			1					
-L-	12+96.00	13+46.00	RT	50.0			BRIDGE		4	7	50		1.0		1								
-L-	12+96.00	13+96.00	LT	100.0			BRIDGE		4	7	50		1.0		1								
-L-	14+47.12	15+09.62	LT	62.5			BRIDGE		4	7	50		1.0		1								
-L-	14+10.88	15+23.38	RT	112.5			BRIDGE		4	7	50		1.0		1								
-L-	15+71.62	16+96.62	LT	125.0			BRIDGE		4	7	50		1.0		1								
-L-	16+10.38	16+60.38	RT	50.0			BRIDGE		4	7	50		1.0		1								
SUB TOTAL				600	25										8	7		1					
DUDUCT FOR ANCHOR UNITS:																							
			TYPE III	8 @ 18.75	-150																		
			GRAU-350	7 @ 50	-350																		
			AT-1	1 @ 6.25	-6.25																		
GRAND TOTAL =				93.75											8	7		1					
SAY =				100.00	25																		

ADDITIONAL GUARDRAIL POST 5 EA.