

COMPUTED BY: JBT DATE: 9-13-04
 CHECKED BY: JPM DATE: 9-29-04

PROJECT NO.
 B-4327

SHEET NO.
 3-B

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

CUBIC YARDS				
Station to Station	Uncl. Exc. C.Y.	Embank. +% C.Y.	Borrow C.Y.	Waste C.Y.
SUMMARY NO. 1				
-L- 18+00 TO 23+15	262	2,644	2,382	
-L- 24+45 TO 30+50	97	10,414	10,317	
SUMMARY NO. 1 TOTALS	359	13,058	12,699	
Est 5% To Replace Topsoil at Borrow Pit				
			635	
PROJECT TOTALS	359	13,058	13,334	
SAY:	400		13,400	
ESTIMATED UNDERCUT= 500 C.Y.				

SUMMARY OF EXISTING ASPHALT REMOVAL

LINE	Station to Station	LOC LT/RT/CL	Asphalt Removal SQ. YDS.
-L-	20+50 TO 21+00	LT & RT	105.56
-L-	28+00 TO 29+00	LT & RT	211.11
PROJECT TOTAL			316.67
SAY			320

SUMMARY OF EXISTING ASPHALT BREAKUP

LINE	Station to Station	LOC LT/RT/CL	Asphalt breakup SQ. YDS.
-L-	21+00 TO 23+10.39	CL	444.16
-L-	24+29.17 TO 28+00	CL	782.86
PROJECT TOTAL			1,227.02
SAY:			1,230

NOTE: APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, BORROW EXCAVATION, FINE GRADING, CLEARING AND GRUBBING, BREAKING OF EXISTING PAVEMENT AND REMOVAL OF EXISTING PAVEMENT WILL BE PAID FOR AT THE LUMP SUM PRICE FOR "GRADING".

GUARDRAIL SUMMARY

"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

LINE	BEG. STA.	END STA.	LOC.	LENGTH (FT.)			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHLDR WIDTH	FLARE LENGTH		W		ANCHORS				IMP. ATTEN. TYPE 350			REMOVE EXISTING GUARDRAIL	REMARKS	
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPR. END	TRAIL. END			APPR. END	TRAIL. END	APPR. END	TRAIL. END	GRAU 350	TYPE III	EA	G	NG					
-L-	21+65.50	23+03	LT	137.5				23+03	6'	9'		118.75'		2.375'	1	1								
-L-	19+40.50	23+03	RT	362.5			23+03		6'	9'	343.75'		4'		1	1								
-L-	24+57.04	27+32.04	LT	275			24+57.04		6'	9'	256.25'		4'		1	1								
-L-	24+57.04	28+07.07	RT	350				26+75	6'	9'		331.25'		4'	1	1								
SUBTOTALS				1125.00												4	4							
DEDUCTION FOR ANCHOR UNITS																								
(4 GRAU@50')				-200																				
(4 TYPE III @18.75')				-75																				
PROJECT TOTALS				850												4	4							

ADDITIONAL GUARDRAIL POSTS= 5 EA