COMPUTED BY: K.N.WASHINGTON DATE: 05/26/2005
CHECKED BY: T. F. DUNCAN, PE DATE: 06/2/2005

PROJECT NO.	SHEET NO.
B-1303	3-B

RD206400

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

Station	Station	Uncl. Excav. CY	Embank. +% CY	Borrow CY	Waste CY
-L-					
13+00.00	17+89.94	74	1,398	1,324	
19+72.06	24+44.63	32	1,332	1,300	
-DET-					
15+00.00	22+50.00		23,877	23,877	
SUBTOTALS:		106	26,607	26,501	
-DET- REMOVAL		18,445			18,445
PROJECT TOTALS:		18,551	26,607	26,501	18,445
EST. 5% TO REPLACE TOP SOIL OF BORROW PIT				1,325	
EST. SHOULDER MATERIAL			672	672	
GRAND TOTALS:		18,551	27,279	28,498	18,445
SAY:		18,600 CY		28,600 CY	

UNDERCUT EXCAVATION = 500 CY
SELECT GRANULAR MATERIAL = 5000 CY
FABRIC FOR SOIL STABILIZATION = 1500 SY

SUMMARY OF EXISTING ASPHALT PAVEMENT REMOVAL

LINE	Station	Station	LOC LT/RT/CL	AREA SY
-L-	17+40.00	18+14.00	CL	263
-L-	19+20.00	20+20.00	CL	356
-DET-	14+73.68	22+87.55	CL	2,351
			TOTAL:	2,970
			SAY:	3,000 SY

APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, FINE GRADING, CLEARING AND GRUBBING, AND REMOVAL OF EXISTING PAVEMENT WILL BE PAID FOR AT THE 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

LINE	BEG. STA.	END STA.	LOC.	LENGTH STRAIGHT	LENGTH TEMP STRAIGHT	LENGTH DOUBLE FACED	WARRANT POINT APPR. END	WARRANT POINT TRAIL. END	"N" DIST FROM E.O.L.	TOTAL SHLDR WIDTH	FLAIR LENGTH APPR. END	FLAIR LENGTH TRAIL. END	W APPR. END	W TRAIL. END		ANCHORS TYPE III	ANCHORS GRAU 350	ANCHORS TEMP GRAU 350			IMP. ATTEN. TYPE 350 EA	IMP. ATTEN. TYPE 350 G	IMP. ATTEN. TYPE 350 NG	REMOVE EXISTING GRDRAIL		REMARKS
-L-	13+02.94	17+77.94	RT	475.00			13+03.00	17+77.94	10	13	50		1			1	1							137.50		GR WARRANTED ALONG ENTIRE RT SIDE BEFORE BR.
-L-	13+02.94	17+77.94	LT	475.00			17+77.94	13+00.00	10	13		50		1		1	1							137.50		GR WARRANTED ALONG ENTIRE LT SIDE BEFORE BR.
-L-	19+84.06	23+09.06	RT	325.00			19+84.06	21+50.00	10	13		50		1		1	1							137.50		
-L-	19+84.06	22+84.06	LT	300.00			21+50.00	19+84.06	10	13	50		1			1	1							137.50		
-L-	16+00.00		RT						10	13	50		1					1								REQUESTED BY TRAFFIC CONTROL
-L-		21+58.00	RT						10	13		50		1				1								REQUESTED BY TRAFFIC CONTROL
-DET-	14+44.15	23+19.15	RT		875.00		15+00.00	23+00.00	6	8	50	50	1	1				2								REMOVE -DET- TEMP GR
-DET-	15+87.50	21+50.00	LT		562.50		20+50.00	17+00.00	6	8	50	50	1	1				2								REMOVE -DET- TEMP GR
SUBTOTAL:				1,575.0	1,437.5											4	4	6								
LESS ANCHORS DEDUCTIONS:																										
GRAU-350	4	@	50.00	-200.00																						
TYPE III	4	@	18.75	-75.00																						
TEMP GRAU	4	@	50.00		-200.00																					
ANCHOR TOTALS:				-275.00	-200.00																					
GRAND TOTAL:				1,300.00 LF	1,237.50 LF											4	4	6						550.00 LF		
SAY:				1,300.00 LF	1,237.50 LF											4	4	6						550.00 LF		
ADDITIONAL GUARDRAIL POST:				5 EA																						