COMPUTED BY: ADS DATE: 03/09/04
CHECKED BY: NJD DATE: 03/23/04

PROJECT NO.	SHEET NO.
B-3419	3-B

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

(IN CUBIC YARDS)

STATION	STATION	TOTAL UNCLASSIFIED EXCAVATION	EMBANKMENT +%	BORROW	TOTAL WASTE
-L-					
13+45.00	19+25.00 (BEGIN BRIDGE)	2104	597		1507
-L-					
21+05.00 (END BRIDGE)	27+20.00	4207	2023		2184
-DRIVE-					
10+00.00	12+45.00	890	22		868
SUBTOTALS		7201	2642		4559
Loss Due To Clearing and Grubbing		-400			
SUBTOTALS		6801	2642		4559
SAY		7000	3000		5000
DDE		25			

ESTIMATED UNDERCUT 300 CY
ESTIMATED SHOULDER BORROW 1000 CY

SUMMARY OF EXISTING ASPHALT PAVEMENT REMOVAL

LINE	STATION	STATION	LOC LT/RT/CL	AREA (SY)
-L-	16+50.00	20+10.34	CL	875
-L-	20+76.00	26+95.00	CL	1182
			TOTAL:	2057
			SAY:	2100

PAVMENT STRUCTURE VOLUME SUMMARY

	PAVEMENT STRUCTURE VOLUME
-L-	336
-DRIVE-	102
TOTAL	438

NOTE: APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, BORROW EXCAVATION, SHOULDER BORROW, FINE GRADING, CLEARING AND GRUBBING, BREAKING OF EXISTING PAVEMENT, AND REMOVAL OF EXISTING PAVEMENT WILL BE PAID FOR AT THE CONTRACT LUMPSUM 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 SHOP CURVED	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 XI MOD	ANCHORS III	ANCHORS GRAU 350	ANCHORS AT-1	ANCHORS XII	ANCHORS CAT-1	ANCHORS VI MOD	IMP. ATTEN. TYPE 350 EA	IMP. ATTEN. TYPE 350 G	IMP. ATTEN. TYPE 350 NG	REMOVE EXISTING GRDRAIL		REMARKS
-L-	17+38.97	19+01.65	LT	50	87.5			19+01.95	6'	9'						1	1										Shop Curved Type III structure anchor unit
-L-	-DRIVE- 10+70 +/-	-L- 19+24.55	RT	50	50			19+24.55	4' / 6'	7' / 9'						1		1									
-L-	21+05.45	23+85.08	LT	187.5	112.5		21+05.30	22+60.08	6	9						1	1										
-L-	21+28.55	23+87.22	RT	175	68.75		21+28.55	22+62.22	6'	9'						1	1										Shop Curved Type III structure anchor unit
-L-	19+58+/-	20+12+/-	RT																						65		Right Shoulder on bridge approach
-L-	19+55+/-	20+02+/-	RT																						55		Left Shoulder on bridge approach
-L-	20+75+/-	21+08+/-	RT																						40		Right Shoulder on bridge approach
			SUBTOTALS	462.5	318.75											4	3	1							160		
		LESS ANCHOR DEDUCTIONS																									
		TYPE III	2@18.75'	-37.5																							
		TYPE III SHOP CURVED	2@18.75'		-37.5																						
		GRAU-350	3@50'	-150																							
		AT-1	1@6.25'	-6.25																							
			TOTALS	269	281.25																				160		
			SAY	275	287.5																				160		