

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
<u>-L-</u>					
16 + 00.00 TO 36 + 70.13	3266		2970		296
<u>-Y-</u>					
10 + 27.00 TO 13 + 19.00	6		4756	4750	
<u>-Y1-</u>					
10 + 29.00 TO 11 + 47.80	62				62
<u>-Y2A-</u>					
14 + 77.00 TO 35 + 74.00	3782		2773		1009
<u>-Y3-</u>					
19 + 40.00 TO 22 + 61.83	0		6	6	
<u>-Y4A-</u>					
10 + 12.00 TO 22 + 37.28	6906		613		6293
<u>-Y6-</u>					
10 + 17.12 TO 12 + 70.01	142		458	316	
PROJECT TOTALS	14164		11576	5072	7660
LOSS DUE TO CLEARING & GRUBBING (PER GEOTECHNICAL)	- 800				- 800
EARTH TO REPLACE BORROW				- 5072	- 5072
GRAND TOTAL	13364			0	1788
SAY	13500				1800

ASPHALT PAVEMENT REMOVAL SUMMARY

IN SQUARE YARDS

LINE	STATION TO STATION	LOCATION	AREA (SQUARE FEET)	SQUARE YARDS
<u>-Y2A-</u>	11 + 00.00 TO 14 + 24.00	RIGHT	4223.63	469.29
<u>-Y2A-</u>	31 + 63.00 TO 34 + 90.50	LEFT	1710	190
<u>-Y4A-</u>	11 + 20.00 TO 21 + 06.00	RIGHT	19096.60	2121.84
			TOTAL	2781.14
			SAY	2800

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

ESTIMATED UNDERCUT EXCAVATION 900 CY
 ESTIMATED DRAINAGE DITCH EXCAVATION 3360 CY

"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

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOUL. WIDTH	FLARE LENGTH		W		ANCHORS			SINGLE FACED CONC. BARRIER	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	CAT-1	GRAU 350	B-77		
-Y2A-	24+91.50	32+91.50	RT.	800.00'			25+91.50	32+80.00	8'	11'	50'		1'		1	1			
-Y4A-	15+75.00	16+50.00	RT.	75.00'			RETAINING WALL		8'	11'	50'		1'			1	1	140'	RETAINING WALL
-Y4A-	17+90.00	18+65.00	RT.	75.00'			RETAINING WALL		8'	11'		50'		1'		1	1	140'	
-L-	25+87.50	28+00.00	LT.	212.50'			27+00.00	25+87.50	8'	11'	50'		1'		1	1			
SUBTOTAL =				1,162.50'											2	4	2	280'	
LESS DEDUCTION FOR ANCHORS =				(-) 250.00'															
TOTAL =				912.50'															
SAY =				925.00'															ADDITIONAL GUARDRAIL POST 5 EACH.
											[DEDUCTIONS FOR ANCHORS] : GRAU 350 4 @ 50.00' = 200.00'								
											CAT-1 2 @ 6.25' = 12.50'								
											B-77 2 @ 18.75' = 37.50'								
											TOTAL = 250.00'								