COMPUTED BY: SLC DATE: 06/02/04
CHECKED BY: BCF DATE: 06/11/04

"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

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

METRIC

PROJECT REFERENCE NO.	SHEET NO.
B-3256	3-C

GUARDRAIL SUMMARY

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH STRAIGHT	LENGTH SHOP CURVED	LENGTH DOUBLE FACED	WARRANT POINT APPROACH END	WARRANT POINT TRAILING END	"N" DIST. FROM E.O.L.	TOTAL SHOUL. WIDTH	FLARE LENGTH APPROACH END	FLARE LENGTH TRAILING END	W APPROACH END	W TRAILING END	ANCHORS GRAU 350	ANCHORS CAT-1	ANCHORS III	IMPACT ATTENUATOR TYPE 350 EA	IMPACT ATTENUATOR TYPE 350 G	IMPACT ATTENUATOR TYPE 350 NG	REMOVE EXISTING GUARDRAIL	REMARKS
-L-	11+52.360	12+62.850	LT	110.490				11+60.000	2.25	3						1	1					
-L-	11+51.141	12+74.966	RT	123.825			11+60.000		2.25	3	15.240		0.300		1		1					
-L-	12+99.050	13+84.775	LT	85.725			13+60.000		2.25	3	15.240		0.300		1		1					
-L-	13+11.166	13+79.746	RT	68.580				13+60.000	2.25	3						1	1					
-L-	11+56.318	12+76.056	RT																		119.738	
-L-	11+58.037	12+68.908	LT																		110.871	
-L-	13+09.563	13+66.614	LT																		57.051	
-L-	13+16.420	13+78.831	RT																		62.411	
			SUBTOTAL	388.620											2	2	4				350.071	
DEDUCTIONS FOR ANCHOR UNITS																						
	2 TYPE GRAU 350 @ 15.240 =			-30.480																		
	2 TYPE CAT-1 @ 1.905 =			-3.810																		
	4 TYPE III @ 5.715 =			-22.860																		
			TOTAL	331.470											2	2	4				350.071	
ADDITIONAL GUARDRAIL POSTS = 5 EA			SAY	339.090																		

* SUMMARY OF EARTHWORK
IN CUBIC METERS

LOCATION	UNCL. EXCAVATION	UNDERCUT	EMBT +%	BORROW	WASTE
-L- 10+20.000 TO 12+68.908 (BEGIN BRIDGE)	95	0	5,963	5,868	0
-L- 13+05.108 (END BRIDGE) TO 16+30.000	482	0	6,668	6,186	0
-Y4- 10+05.540 TO 10+45.000	16	0	73	57	0
-Y5- 10+20.000 TO 10+68.563	35	0	53	18	0
-Y6- 10+04.933 TO 10+25.000	5	0	7	2	0
TOTALS	633	0	12,764	12,131	0
EST. SHOULDER MATERIAL			85	85	
PROJECT TOTALS	633	0	12,849	12,216	
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT				611	
GRAND TOTALS	633	0	12,849	12,827	0
SAY	700			13,000	

EST. UNDERCUT EXCAVATION = 765 CM
EST. DRAINAGE DITCH EXCAVATION = 25 CM

* *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 LUMP SUM PRICE FOR "GRADING".*

SUMMARY OF CHAIN LINK FENCE
IN METERS

LOCATION	STATION - STATION	LENGTH
-L-	11+50.000 RT TO 12+79.000 RT	131
-Y2-	10+39.000 RT TO 10+60.000 RT	22
-Y2-	10+58.000 LT TO 10+80.000 LT	22
-Y2-	10+99.000 LT TO 11+12.000 LT	13
-L-	14+40.000 LT TO 14+60.000 LT	20
	TOTAL	208
	SAY	215

* ASPHALT PAVEMENT REMOVAL & BREAKING SUMMARY
IN SQUARE METERS

LINE	STATION - STATION	LOCATION	ASPHALT REMOVAL	ASPHALT BREAK UP
-L-	12+20.000 TO 12+50.000	EXISTING ROADBED		219
-L-	12+50.000 TO 12+73.000	EXISTING ROADBED	168	
-L-	13+12.000 TO 13+30.000	EXISTING ROADBED	132	
-L-	13+30.000 TO 13+80.000	EXISTING ROADBED		365
		TOTAL	300	584
		SAY	320	600

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