COMPUTED BY: JBT DATE: 5/20/04
CHECKED BY: ITY DATE: 6/2/04

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
B-4096	3-C

RD193407

"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= NONGATING IMPACT ATTENUATOR TYPE 350

GUARDRAIL SUMMARY

SURVEY LINE	BEGIN STATION	END STATION	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOULD WIDTH	FLARE LENGTH		W		ANCHORS (EA)											RELAP EXISTING GUARDRAIL	REMOVE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	GRAU 350	CAT-1	TYPE III											
-L-	16+50.26	19+25.26	LT	275.00			19+25.26	16+50	10'	13'		100'		2'		1	1										336.50'	REMOVE & REPLACE EXISTING
-L-	17+66.09	19+04.59	MED LT	137.50				19+04.59	6'	12'				1'	1		1										173.40'	REMOVE & REPLACE EXISTING
-L-	17+41.98	18+66.98	MED RT	125.00								50'		1'	1												129.00'	REMOVE EX. ANCHOR & TIE T0 EX. GUARDRAIL
-L-	21+54.02	23+16.52	MED LT	162.50			21+54.02		6'	12'	50'		1'		1		1										164.80'	REMOVE & REPLACE EXISTING
-L-	21+74.81	26+99.81	LT	525.00			21+74.81		10'	13'	100'		2'				1										545.20'	REMOVE EX. ANCHOR & TIE T0 EX. GUARDRAIL
-L-	22+41.52	22+91.52	MED RT	50.00					6'	12'		50'		1'	1												48.00'	REMOVE & REPLACE EX. ANCHOR & TIE TO EX. GUARDRAIL.
	SUB TOTALS			1275.00																							1396.90'	
LESS DEDUCTIONS FOR ANCHORS																												
4 GRAU 350 @ 50'				-200.00																								
1 CAT-1 @ 6.25'				-6.25																								
4 TYPE-III @ 18.75'				-75.00																								
TOTALS				993.75											**4**	**1**	**4**									1396.90'	TOTALS
SAY				**1000.00**																						**1400'**	**SAY**
ADDITIONAL GUARDRAIL POST = 5 EA																												
RELAPPING EXISTING GUARDRAIL DURING CONSTRUCTION PHASING																												
-L-	17+38.04	19+14.33	MED RT																							176		PHASE I
-L-	21+26.57	22+87.76	MED RT																							162		PHASE I
-L-	18+66.98	19+14.33	MED RT																							114		PHASE II
-L-	21+26.57	22+40.52	MED RT																							47		PHASE II
																										499		TOTAL
																										500		SAY