COMPUTED BY: RHS DATE: 7/16/04
CHECKED BY: DOK DATE: 7/16/04

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
GUARDRAIL SUMMARY

PROJECT REFERENCE NO.	SHEET NO.
R-3437	3-K

D11CADS

"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 BEGIN

G = GATING IMPACT ATTENUATOR TYPE 350
NG = NON-GATING IMPACT ATTENUATOR TYPE 350

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOUL WIDTH	FLARE LENGTH		W		ANCHORS								IMPACT ATTENUATOR TYPE 350		SINGLE FACED CONCRETE BARRIER	REMOVE EXISTING GUARDRAIL	REMOVE & STOCKPILE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	III	XI	GRAU 350	M-350	XIII	CAT-1	VI MOD	BIC		G	NG				
L	16+50	20+12.5	LT	362.5			19+00	17+25	8	11	50	50	1	1			2												
L	24+00	27+25	LT	325.0			26+50	24+00	8	11	50	50	1	1			2												
L	49+87.5	53+62.5	LT	375.0			52+50	51+00	8	11	50	50	1	1			2												
L	61+00	65+25	LT	425.0			64+00	62+50	8	11	50	50	1	1			2												
L	101+37.5	104+00	LT	262.5			102+75	102+50	8	11	50	50	1	1			2												
L	135+50	138+50	LT	300.0			137+50	136+75	8	11	50	50	1	1			2												
L	146+87.5	150+12.5	LT	325.0			149+00	148+00	8	11	50	50	1	1			2												
L	170+25	174+75	LT	450.0			173+50	171+50	8	11	50	50	1	1			2												
LREV	186+75	190+75	LT	400.0			189+75	188+00	8	11	50	50	1	1			2												
L	230+72.5	235+68	LT	450.0			BRIDGE	232+00	8	11		50	1	1	1		1												
L	237+78	241+10	LT	287.5			239+75	BRIDGE	8	11	50		1	1	1		1												
L	248+00	255+00	LT	700.0			253+75	248+00	8	11	50	50	1	1			2												
L	268+00	270+75	LT	275.0			270+50	269+25	8	11	50	50	1	1			2												
L	14+50	18+50	RT	400.0			15+75	17+25	8	11	50	50	1	1			2												
L	24+12.5	28+25	RT	412.5			24+75	27+00	8	11	50	50	1	1			2												
L	50+75	54+75	RT	400.0			52+00	53+50	8	11	50	50	1	1			2												
L	63+00	67+50	RT	450.0			63+75	66+00	8	11	50	50	1	1			2												
L	102+00	105+12.5	RT	312.5			103+25	104+00	8	11	50	50	1	1			2												
L	135+50	138+50	RT	300.0			136+75	138+00	8	11	50	50	1	1			2												
L	144+75	149+00	RT	425.0			146+00	147+75	8	11	50	50	1	1			2												
LREV	181+50	186+37.5	RT	487.5			182+75	185+25	8	11	50	50	1	1			2												
L	208+75	214+50	RT	575.0			209+25	213+25	8	11	50	50	1	1			2												
L	232+47.5	235+68	RT	275.0			233+00	BRIDGE	8	11	50		1	1	1		1												
L	237+78	239+10	RT	87.5			BRIDGE	239+00	8	11		50	1	1	1		1												
L	247+00	254+87.5	RT	787.5			248+00	253+75	8	11	50	50	1	1			2												
L	268+00	272+50	RT	450.0			269+25	271+25	8	11	50	50	1	1			2												
PROJECT SUBTOTAL				10300.00											4		48											
LESS ANCHOR DEDUCTION																												
GRAU-350 48@50'				2400.0																								
III 4@18.75'				75.0																								
PROJECT TOTAL				7825.00																								