COMPUTED BY: K. LASSITER DATE: 7-1-04
CHECKED BY: M. BRAME DATE: 7-1-04

"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

KCI Associates of North Carolina, P.A.
RALEIGH OFFICE
ENGINEERS ● PLANNERS ● ECOLOGISTS
SUITE 200, LANDMARK CENTER I
4601 SIX FORKS RD.
RALEIGH, N.C. 27609-5210
(919) 783-9214

METRIC

PROJECT REFERENCE NO.	SHEET NO.
R-2562C	3-L

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								IMPACT ATTENUATOR TYPE 350			REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	GRAU 350	M-350	CAT-1	III					EA	G	NG	
-L- REV	145+68.700	146+63.000	RT	95.25			146+55.000		3.0	4.0	15.24		0.3		1		1									
-L- REV	146+60.000	147+54.000	LT	95.25			146+69.500		3.0	4.0	15.24		0.3		1		1									
-L- REV	154+62.500	155+12.000	RT	49.53			155+05.000		3.0	4.0	15.24		0.3		1		1									
-L- REV	154+97.500	155+62.270	LT	64.77			155+05.000		3.0	4.0	15.24		0.3		1		1									
-L- REV	178+09.667	BRIDGE	LT	49.53				BRIDGE	3.6	4.6							1	1								
(LT LANE)																										
-L- REV	177+90.664	BRIDGE	MED. RT	49.53				BRIDGE	1.2	2.2						1		1								
(LT LANE)																										
-L- REV	177+63.994	BRIDGE	RT	87.63			BRIDGE		2.4	3.4	30.0		0.9		1			1								
(RT LANE)																										
-L- REV	177+83.044	BRIDGE	MED. LT	64.77			BRIDGE		3.6	4.6	40.0		3.9			1		1								
(RT LANE)																										
-L- REV	BRIDGE	179+95.617	LT	87.63			BRIDGE		3.6	4.6					1			1								
(LT LANE)																										
-L- REV	BRIDGE	179+76.567	MED. LT	64.77			BRIDGE		1.2	2.2	40.0		3.9			1		1								
(LT LANE)																										
-L- REV	BRIDGE	179+49.931	RT	49.53				BRIDGE	2.4	3.4							1	1								
(RT LANE)																										
-L- REV	BRIDGE	179+68.947	MED. RT	49.53				BRIDGE	3.6	4.6						1		1								
(RT LANE)																										
SUBTOTAL				807.72											6	4	6	8								
LESS ANCHOR DEDUCTIONS																										
	GRAU-350 (6 @ 15.240)			91.440																						
	CAT-1 (6 @ 1.905)			11.430																						
	M-350 (4 @ 11.430)			45.720																						
	TYPE III (8 @ 5.715)			45.720																						
TOTAL				613.41																						
ADDITIONAL GUARDRAIL POSTS.....5 EACH																										