RALD1C2I

COMPUTED BY: C. HIGHFILL DATE: JULY 22, 2004
CHECKED BY: D. BASS DATE: AUGUST 12, 2004

"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

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
GUARDRAIL SUMMARY

PROJECT REFERENCE NO.	SHEET NO.
R-2911D	3-J

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		RELAPPING OF GUARDRAIL	REMOVE EXISTING GUARDRAIL	REMOVE & RESET EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	GRAU 350	M-350	CAT-1	AT-1	TYPE III	TERM	TEMP GRAU 350			G	NG				
L2	222+25	225+37.5	RT	312.50	75.00		223+50		10	13	50		1		1			1										
L	226+20	231+09.8	RT	450.00	75.00		228+89		10	13								1	1									
L	221+77.1	229+39.6	LT	762.50			229+94.6	221+77.1	10	13							1		1									
L	228+69.6	229+94.6	LT MED	125.00				229+94.6	4	7		37.5		4		1			1									
L	228+54.3	230+54.3	RT MED	200.00			230+54.3		4	7	168.75		12.75			1			1									
L	231+27.1	237+27.1	LT	600.00			236+00		10	13	50		1		1				1									
L	232+96.9	237+59.4	RT	462.50				237+59.4	10	13							1		1									
L	231+82.2	233+82.2	LT MED	200.00			231+82.2		4	7	168.75		12.75			1			1									
L	232+41.5	234+16.5	RT MED	175.00			232+41.5		4	7		37.5		4		1			1							75		
L	253+25	262+00	RT	875.00			254+50	262+00	10	13	50		1		1		1											
L	252+50	256+25	LT	375.00			255+00	252+50	10	13	50		1		1		1											
L	292+00	293+34	LT	75.00	87.50		292+90	292+00	10	13							1	1										
L	299+90	302+90	LT	300.00			302+90	300+00	10	13							1		1									
L	297+65	302+90	RT	525.00			299+00	302+90	10	13	50		1		1				1									
L	300+90	302+90	RT MED	200.00			302+90		4	7	168.75		12.75			1			1									
L	301+15	302+90	LT MED	175.00				302+90	4	7		37.5		4		1			1									
L	305+52	308+14.5	LT	262.50			305+52		10	13	50		1		1				1									
L	305+52	307+02	RT	150.00			305+52	307+00	10	13							1		1									
L	305+52	307+53.5	LT MED	200.00			305+52		4	7	168.75		12.75			1			1									
L	305+52	307+28.5	RT MED	175.00			305+52		4	7		37.5		4		1			1							100		
L	329+37.5	331+50	LT	212.50			330+25		10	13	50		1		1		1											
L	244+02		LT	50.00			244+02													2								PLACE AT THE END OF THE TERMINATED NC 801
L	358+93.5	361+06	LT	212.50			359+81	359+00	10	13	50		1		1		1											
L	358+00	360+50	RT	250.00			359+32	360+50	10	13	50			1	1		1											
L	366+00	367+00	LT																							137.5		
L	367+40	368+77	LT																							162.5		
L	366+61	371+45	RT																							487.5		
			SUBTOTAL	**7,325.00**	**237.50**										**9**	**8**	**10**	**3**	**16**	**2**					**175**		**787.5**	
	LESS 9 GRAU-350 @ 50' EACH			-450.00																								
	LESS 8 M-350 @ 37.5' EACH			-300.00																								
	LESS 10 CAT-1 @ 6.25' EACH			-62.50																								
	LESS 3 AT-1 @ 6.25' EACH			-18.75																								
	LESS 16 TYPE III @ 18.75' EACH			-300.00																								
			PROJECT TOTAL	**6,193.75**	**237.50**										**9**	**8**	**10**	**3**	**16**	**2**					**175**		**787.5**	
			SAY	**6,200.00**	**237.50**										**9**	**8**	**10**	**3**	**16**	**2**					**175**		**787.5**	
															10 ADDITIONAL GUARDRAIL POSTS												
TEMPORARY GUARDRAIL																												
L	229+00.5	230+38	RT MED	137.50			230+38		4	7	50		1								1							
L	232+93	235+93	RT MED	225.00			232+93		4	7		50		1							1							75' WILL BE REUSED IN ITS PERMANENT LOCATION
L	237+56	238+06	RT	50.00					10	13	50		1								1							USE TEMP GRAU 350 IN PLACE OF PERMANENT CAT-1
L	301+40	302+90	RT MED	150.00			302+90		4	7		50		1							1							
L	305+52	308+64.5	RT MED	312.50			305+52		4	7	50		1								1							100' WILL BE REUSED IN ITS PERMANENT LOCATION
L	307+03	307+53	RT	50.00					10	13		50		1							1							USE TEMP GRAU 350 IN PLACE OF PERMANENT CAT-1
L	360+60	361+10	RT	50.00					10	13		50		1							1							USE TEMP GRAU 350 IN PLACE OF PERMANENT CAT-1
			SUBTOTAL	**975.00**																	**7**							
	LESS 7 TEMP GRAU-350 @ 50' EACH			-350.00																								
			PROJECT TOTAL	**625.00**																	**7**							
			SAY	**625.00**																	**7**							