RAL-CND

COMPUTED BY:	P. ROGERS	DATE:	3-18-14
CHECKED BY:	N. BEDENBAUGH	DATE:	5-27-14

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
U-2579B	3B-7

GUARDRAIL SUMMARY

"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

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	GRAU 350	TES		M-350	B-77	CAT-1		TYPE III	AT-1	G	NG				
-Y4-	123+31.32	127+16.37	LT-MED																								385.05		
-Y4-	127+44.83	131+45.73	LT-MED																								400.90		
-Y4-	131+67.10	148+00.00	LT-MED																								1632.90		
-Y4-	26+80.00	78+11.25	RT-MED	5131.25					6	6										1									
-Y4-	26+80.00	127+21.83	RT-MED																								10041.83		
-Y4-	78+32.25	95+13.50	RT-MED	1681.25					6	6	50		1		1					1									
-Y4-	95+37.50	143+00.00	RT-MED	4762.50					6	6	50		1		1														
-Y4-	127+49.95	148+00.00	RT-MED																								2050.05		
-Y4-	38+68.75	50+50.00	RT	1181.25			40+24.89		12	15	50		1		1				1										
-Y4-	55+50.00	66+37.50	RT	1087.50					12	15									1	1									
-Y4-	39+05.00	74+30.68	RT																								3525.68		
-Y4-	86+13.61	95+66.67	RT																								953.06		
-Y4-	87+62.56	92+43.81	RT	481.25			89+12.56	92+37.56	19.5	23	50		1		1					1									
-Y4-	105+34.37	109+88.05	RT																								453.68		
-Y4-	118+21.91	127+41.75	RT																								919.84		
-Y4-	129+53.10	131+63.57	RT																							211			
-Y4-	136+34.31	148+00.00	RT																								1165.69		
-Y4-	137+75.00	143+00.00	RT	525.00			139+24.75		12	15	50		1		1														
-Y4RPA-	13+73.64	15+10.90	LT																							138			
-Y4RPA-	19+48.14	22+72.67	LT																							325			
	(NWY4RPA 10+22)	(NWY4RPA 13+42.21)																											
-Y4RPA-	22+72.73	28+03.98	LT	531.25			22+72.73		12	15	50		1		1				1										
	(Bridge)						(Bridge)																						
-Y4RPA-	36+47.39	40+53.64	LT	406.25			39+22.64		12	15	50		1		1					1									
-Y4RPA-	14+18.53	15+06.03	RT	87.50			15+06.03		4	7		68.75		1.5					1	1									
		(Bridge)					(Bridge)																						
-Y4RPA-	18+87.17	22+05.92	RT	318.75				18+87.17	4	7	50		1		1				1										
	(Bridge)							(Bridge)																					
-Y4RPB-	18+99.85	26+81.10	RT	781.25			20+24.85		12	15	50		1		1					1									
-Y4RPBD-	22+01.14	25+19.89	LT	318.75				25+19.89	4	7	300		6		1				1										
		(Bridge)						(Bridge)																					
-Y4RPBD-	27+84.10	31+59.10	LT	375.00			27+84.10		10	13	312.5		6						1	1									
	(Bridge)						(Bridge)																						
-Y4RPBD-	39+55.61	42+86.86	LT	331.25				42+86.86	12	15	50		1		1				1										
		(Bridge)						(Bridge)																					
-Y4RPBD-	45+73.16	51+56.75	LT	587.50			51+56.75	45+73.16	12	15									2										
	(Bridge)	(Bridge)		(583.59)			(Bridge)	(Bridge)																					
-Y4RPBD-	9+38.44	25+11.86	RT	1575.00				25+11.86	12	15									2										
	(=L 609+68.44)	(Bridge)		(1573.42)				(Bridge)																					
-Y4RPBD-	27+76.02	33+13.52	RT	537.50			27+76.02		12	15									1	1									
	(Bridge)	(=Y4RPB 12+65.95)					(Bridge)																						
-Y4RPBD-	39+54.58	42+73.33	RT	318.75				42+73.33	12	15	175		8		1				1										
		(Bridge)						(Bridge)																					
-Y4RPBD-	45+49.30	51+75.31	RT	637.50			45+49.30	51+75.31	4	7									2										
	(Bridge)	(Bridge)		(626.01)			(Bridge)	(Bridge)																					
-Y4RPBD-	59+47.20	62+45.67	RT																							340			
	(NWY4RPBD1 10+00)	(NWY4RPBD1 13+40)																											
-Y4RPBD-	67+67.07	70+23.32	RT	256.25					12	15	50		1		1				1										
-Y4RPBD-	70+23.32	83+13.19	RT																							1280			
	(NWY4RPBD2 10+60)	(NWY4RPBD2 23+40)																											
-Y4RPBD-	74+58.57	75+04.28	187.4' RT	25.00												2													
-Y4RPC-	31+08.99	33+89.86	LT																							280			
	(NWY41 11+60)	(NWY41 14+40)																											
-Y4RPC-	33+89.86	36+46.11	LT	256.25				33+89.86	12	15	50		1		1				1										
-Y4RPD-	12+16.27	72+82.90	LT																							500			
	(NWCD2 10+00)	(NWCD2 15+00)																											
-Y4RPD-	26+02.56	24+46.31	RT	156.25				26+02.56	6	9	50		1		1				1										
-Y4LPB-	9+16.81	12+43.75	RT	318.75			11+68.75	9+16.81	14	17	50		1		1				1										
	(Bridge)							(Bridge)																					
-Y5-	19+91.49	23+10.24	LT	318.75			23+10.24		8	11	50			1	1							1							
		(Bridge)					(Bridge)																						
-Y5-	24+29.81	26+68.96	LT	250.00			26+68.96	24+29.81	8	11												2							
	(Bridge)	(Bridge)		(239.15)			(Bridge)	(Bridge)																					
-Y5-	30+83.18	33+01.93	LT	218.75				30+83.18	8	11	50		1		1							1							
	(Bridge)							(Bridge)																					
-Y5-	17+88.10	22+81.85	RT	493.75				22+81.85	8	11	50		1		1							1							
		(Bridge)						(Bridge)																					
-Y5-	24+00.84	26+69.17	RT	275.00			24+00.84	26+69.17	4	7												2							
	(Bridge)	(Bridge)		(268.33)			(Bridge)	(Bridge)																					
-Y5-	30+82.16	31+75.91	RT	93.75			30+82.16		4	7		50		1	1							1							
	(Bridge)						(Bridge)																						
		SHEET TOTALS		24318.75	0										20	2		0	20	9		8	0	0	0	3074	21528.68	0	