RAL-WS0

COMPUTED BY:	REO	DATE:	8/7/17
CHECKED BY:		DATE:	

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
GUARDRAIL SUMMARY

PROJECT REFERENCE NO.	SHEET NO.
U-2525C	3B-3

"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	XI MOD	XI	GREU TL3	M-350	XIII	CAT-1	VI MOD	B-77		G	NG				
L	292+16.00	293+83.79	LT																							169			
L	293+83.79	296+61.59	LT	277.8			293+83.79		12	15	259.05		5.5				1					1							
L	305+50.00	329+43.41	LT	2393.41			329+43.41	305+50.00	12	17	100		2							1		1							
L	330+49.41	336+43.84	LT	594.43			336+43.84	330+49.41	12	17	100	100	2	2								2							
L	338+28.43	380+36.00	LT	4207.57			380+36.00	338+29.43	12	17	50	100	1	2			1					1							
L	381+37.68	388+50.00	LT	712.32			387+00.00	381+37.68	14	17	50		1				1			1									
L	400+04.42	402+32.92	LT																							228.5			
L / Y4LPA	402+32.92	17+74.27	LT/RT	953.13			402+32.92		6	9	50		1				1					1							
L/Y4RPA	420+75.00	15+56.25	RT	625.18			419+00	15+56.25	14	17	50		1				1			1									
L	426+50.00	434+06.25	LT	756.25			433+00.00		14	17	50		1				1			1									
L	447+36.13	448+97.42	LT	161.29																						161.29			
L / Y6RPB	448+97.42	11+98.99	LT / RT	301.57			448+97.42		6.4	9.4	285.75		5.5				1					1							
L	464+98.35	469+86.37	LT	488.02			469+86.37	464+98.35	6	13	469.27		5							1		1							
L / Y6LPA	12+50.08	470+94.19	LT / RT	361.13			470+94.19		6	9	50		1				1					1							
Y6RPA / L	10+71.63	511+50.00	LT	2359.43			510+00.00	10+58.13	14	17	50		1				1			1									
L	528+00.00	531+50.00	LT	350			530+00.00		14	17	50		1				1			1									
L	548+15.23	552+99.67	LT																							484.44			
L	520+00.00	520+34.53	LT																							34.53			
L	520+00.00	517+43.50	LT	256.5			520+00.00		14	17	50		1				1					1							
RPDY8	3+33.88	11+03.82	LT																							769.94			
LCD	44+25.76	48+24.75	RT	398.99			45+75.76		14	17	50		1				1			1									
LCD	57+63.75	60+63.06	RT	300			60+63.06		12	15	281.25		5				1					1							
LCD	60+63.06	62+47.60	RT																							184.54			
L	298+87.50	329+45.87	RT	3058.37			301+50.00	329+45.87	12	17	50	100	1	2			1					1							
L	330+47.49	336+05.50	RT	558.01			330+47.49	336+05.50	12	17	100	100	2	2								2							
L	337+90.09	370+03.46	RT	3213.37			337+90.09	370+03.46	12	17	100		2							1		1							
L / Y4RPC	370+93.74	12+91.57	RT	1453.9			370+93.74	12+91.57	14	17	50		1				1			1									
Y4LPC / L	12+51.03	399+11.64	RT	436.15			399+11.64		6	9	50		1				3					1							
L	399+11.64	401+37.44	RT																							225.8			
L	415+73.13	419+00.00	RT	326.87			417+23.13	419+00.00	14	17	50		1				1			1									
L	423+93.75	432+00.00	RT	806.25			425+43.75	432+00.00	14	17	50		1				1			1									
L	439+00.00	441+50.00	RT	250			440+50.00	441+50.00	14	17	50		1				1			1									
L	443+62.32	446+62.32	RT	300			446+62.32		12	17	281.25		5.5				1					1							
L	446+62.32	448+24.14	RT																							161.82			
Y6LPC / L	12+67.14	469+94.11	RT	342.95			469+94.11		6	9	50		1				1					1							
L	471+04.51	473+88.15	RT	283.64			471+04.51	473+88.15	6	14		50	5.29							1		1							
Y6RPD / L	17+00.00	512+50.00	RT	3071.08			15+50.00	512+50.00	14	17	50		1				1			1									
L	527+50.00	532+00.00	RT	450			529+00.00	532+00.00	14	17	50		1																
L	548+50.00	552+99.67	RT	450			550+00.00	552+99.67	14	14	50		1				1			1									
L	514+07.19	516+66.00	RT	258.81			514+07.19		14	17	50		1				1					1							U-2524D
L	501+00.00	502+50.00	RT	150			501+00.00		12	15	50		1				1					1							
L	290+29.00	292+71.52	MED	485.04			291+50.00		19.28		52.25		3.72									2			1				MEDIAN PIER/SIGN WARRANT, IA WAS INCLUDED IN GR LENGTH
L	292+71.52	294+16.68	MED																							192			MEDIAN PIER PROTECTION
L	293+20.69	295+71.00	MED	500.62			294+50.00		19.28		52.25		3.72									2			1				MEDIAN PIER/SIGN WARRANT, IA WAS INCLUDED IN GR LENGTH
L	326+44.16	329+44.16	MED RT	300			329+44.16		12	15	50		1				1					1							
L	330+47.56	333+67.39	MED RT	319.83				330+47.56	12	15										1		1							
L	333+98.81	336+21.70	MED RT	222.89			336+21.70		12	15	50		1				1					1							
L	330+47.98	333+92.31	MED LT	344.33			330+47.98		12	15	50		1				1					1							
L	334+23.23	336+27.64	MED LT	204.41				336+27.64	12	15										1		1							
L	338+12.23	341+12.23	MED LT	300			341+12.23		12	15	50		1				1					1							
L	338+06.29	340+87.23	MED RT	281			338+50.00		12	15	50		1				1					1							SIGN PROTECTION
L	399+48.37	400+27.19	MED	150			400+27.19		19.5		52.25		3.5									2			1				MEDIAN PIER PROTECTION, IA WAS INCLUDED IN GR LENGTH
L	400+27.19	401+17.19	MED																							180			MEDIAN PIER PROTECTION
L	401+17.19	402+13.19	MED	150				401+17.19	19.5		52.25		3.5									2			1				MEDIAN PIER PROTECTION, IA WAS INCLUDED IN GR LENGTH
L	446+54.51	447+50.51	MED	150			447+50.51		19.5		52.25		3.5									2			1				MEDIAN PIER PROTECTION, IA WAS INCLUDED IN GR LENGTH
L	447+50.51	448+03.90	MED																							106.78			MEDIAN PIER PROTECTION
L	448+03.90	448+99.90	MED	150				448+03.90	19.5		52.25		3.5									2			1				MEDIAN PIER PROTECTION, IA WAS INCLUDED IN GR LENGTH
L	466+89.75	469+89.75	MED RT	300			469+89.75		12	15	50		1				1					1							
L	470+97.52	473+97.52	MED LT	300			470+97.52		12	15	50		1				1					1							
L	521+50.15	522+46.15	MED	192			522+46.15		19.5		52.25		3.5									1			1				MEDIAN PIER PROTECTION, IA WAS INCLUDED IN GR LENGTH
L	522+46.16	523+00.65	MED																							109			MEDIAN PIER PROTECTION
L	523+00.65	523+96.50	MED	192			523+00.65		19.5		52.25		3.5									1			1				MEDIAN PIER PROTECTION, IA WAS INCLUDED IN GR LENGTH
LREV / L	501+00.00	508+36.00	MED RT	735.05			507+00.00		12	15	184.74		9.75												1				U-2524D / TIE TO EXIST GR./ SIGHN & LIGHT PROTECTION / IA WAS INCLUDED IN GR LENGTH
LREV / L	501+00.00	508+36.00	MED LT	735.05			507+00.00		12	15	184.74		9.75																U-2524D / TIE TO EXIST GR./ SIGN & LIGHT PROTECTION
L / RPAY8	9+75.59	514+07.19	LT																							1458.82			U-2524D
RPDY8	3+33.88	11+03.82	LT																							769.94			U-2524D
L	519+37.50	522+18.75	RT	281.25			522+00.00		14	17	50		1				1			1									SIGN PROTECTION
SHEET	TOTAL			37199.89													35			19		44			9	5236.4			