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-4

"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				
LACFLY / Y13RPA																													
	17+00.00	14+23.78	RT	907.06			18+50.00	14+23.78	14	17	50		1				1			1									
Y6RPB	23+52.41	27+96.75	LT	444.34			27+96.75		14	17	50		1				1			1									
Y6RPB	24+02.46	28+21.73	RT	419.27			28+21.73		12	15	50		1				1			1									
Y6RPD	22+74.50	24+45.00	LT	170.5																						170.5			
Y6RPD	24+45.00	26+71.80	LT	226.8			24+45.00		14	17	50		1				1					1							
Y6RPD	25+21.21	26+71.71	RT	150.5			25+64.74		12	15	50		1				1			1									
Y16	14+77.45	16+48.16	RT	170.71			16+48.16		12.5	15.5	50		1				1					1							
Y16	18+46.27	19+17.55	RT	71.28				18+46.27	12.5	15.5		50		1			1					1							
Y16	15+52.24	16+41.30	LT	89.06				16+41.30	12.5	15.5		50		1			1					1							
Y16	18+47.38	20+19.11	LT	171.73			15+47.38		12.5	15.5	50		1				1					1							
Y4	26+13.00	28+22.24	RT	209.24			28+22.24		7.5	10.5	50		1				1					1							
Y4	29+75.37	31+84.61	LT	209.24			31+84.61		7.5	10.5	50		1				1					1							
Y5	19+37.54	21+46.56	RT	209.02			21+46.56		12.5	15.5	50		1				1					1							
Y5	23+29.85	24+14.09	RT	84.24				23+29.85	12.5	15.5		50		1			1					1							
Y5	20+39.59	21+24.05	LT	84.46				21+24.05	12.5	15.5		50		1			1					1							
Y5	23+06.82	24+56.74	LT	149.92			23+06.82		12.5	15.5	50		1				1					1							
Y6	15+18.26	18+18.93	RT	300.67			16+18.26		14	17	50		1				1												
Y6 / Y6RPB	18+18.93	24+79.18	RT	132.95				24+79.18	14	17		50		1						1									
Y6	19+43.87	25+26.86	RT	582.99			20+43.87	25+26.86	14	17	50		1				1			1									
Y6	31+55.02	32+96.13	RT	141.11			32+35.49	32+96.13	14	17	50		1				1			1									
Y6	22+61.00	27+43.13	LT	482.13			27+43.13	22+61.00	14	17	50		1				1			1									
Y6	32+53.52	35+96.74	LT	343.22			34+96.74	32+53.52	14	17	50		1				1			1									
Y7	22+61.47	24+36.47	RT	175			24+36.47		14	17	50		1				1					1							
Y7	26+57.47	28+32.47	LT	175			26+57.47		14	17	50		1				1					1							
LACFLY	19+00.00	22+62.50	LT	362.5			22+50.00		12	15	50		1				1			1									
L	355+64.00	358+36.00	MED.	544			357+00.00	357+00.00	17	20	90	90	6	6											2				SIGN PROTECTION / IA WAS CALCULATED IN GR LENGTH
L	382+14.00	384+86.00	MED.	544			383+50.00	383+50.00	17	20	90	90	6	6											2				SIGN PROTECTION / IA WAS CALCULATED IN GR LENGTH
L	467+76.15	469+88.65	MED. LT	212.5			468+50.00		12	15		50		1			1					1							SIGN PROTECTION USE STD. 862.01 TRAILING END
L	486+64.00	489+36.00	MED.	544			488+00.00	488+00.00	17	20	90	90													2				SIGN PROTECTION / IA WAS CALCULATED IN GR LENGTH
Y6RPC	10+50.30	12+37.80	RT	187.5			12+25.30		14	17	50		1				1			1									SIGN PROTECTION
L	538+25.00	540+12.50	RT	187.5			540+00.00		14	17	50		1				1			1									SIGN PROTECTION
L	528+35.00	530+65.00	MED	460			529+50.00	529+50.00	17	20	90	90	6	6											2				SIGN PROTECTION / IA WAS CALCULATED IN GR LENGTH
SHEET	TOTAL			9142.44													26			12		14			8	170.5			
SHEET 1	TOTAL			37199.89													35			19		44			9	5236.4			
PROJECT TOTAL				46342.33													61			31		58			17	5406.9			
ANCHOR DEDUCTION																													
	61	GREU TL3 @ 50.0'		-3050																									
	31	CAT @ 6.25'		-187.5																									
	58	B-77 @ 18.75'		-1068.75																									
	17	IA TYPE 350 @ 21'		-336																									
GRAND TOTAL				41700.08																									
SAY				41712.5													61			31		58			17	5420			
10 ADDITIONAL GUARDRAIL POST																													
TEMPORARY GUARDRAIL																													
Y5DET	16+00.00	17+12.50	LT	112.5			N/A	N/A	8	10	50	50	1	1			2												TEMP GUARDRAIL / ADDED PER PROPERY OWNER
TOTAL				112.5													2												
ANCHOR DEDUCTION																													
	2.0	GREU TL3 & 50.0'		-100																									
GRAND TOTAL				12.5													2												
SAY				12.5													2												