COMPUTED BY: VBB DATE: 5/24/14
CHECKED BY: DWG DATE: 1/23/15

PROJECT REFERENCE NO.	SHEET NO.
R-2514D	3B-2

"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

SUMMARY OF QUANTITIES
GUARDRAIL SUMMARY

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOULDER WIDTH	FLARE LENGTH		W		ANCHORS								IMPACT ATTENUATOR TYPE 350			SINGLE FACED CONC BARRIER		REMOVE 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	B-77			TERMINAL END SECTION		NO.	PERMITTED G	PERMITTED NG				
-L-	300+50.00	303+00.00	RT	250.00			302+00.00 (STREAM)	303+00.00 (STREAM)	12	15	50				1		1												
-L-	310+89.13	320+01.63	RT	912.50			312+40.00	320+01.63 (BRIDGE)	12	15	50			6	1			1											
-L-	312+04.31	319+54.31	LT	750.00			319+54.31 (BRIDGE)	312+00.00	12	15			6				1	1											
-L-	317+47.38	319+84.88	MED RT	237.50				319+84.88 (BRIDGE)	4	7	37.5		12			1		1											
-L-	317+71.06	319+71.06	MED LT	200.00			319+71.06		4	7		37.5				1		1											
-L-	320+75.31	323+00.31	LT	225.00				320+75.31 (BRIDGE)	6	9	50		9		1			1											
-L-	320+92.06	323+29.56	MED LT	237.50				320+92.06 (BRIDGE)	4	7	37.5		12			1		1											
-L-	321+05.88	323+05.88	MED RT	200.00			321+05.88 (BRIDGE)		4	7		37.5				1		1											
-L-	321+22.63	321+97.63	RT	75.00			321+22.63 (BRIDGE)		6	9							1	1											
-L-	337+08.00	338+96.00	MED LT	188.00			338+00.00		16				4.7	4.7									1	X	X				OVERHEAD SIGN ASSEMBLY
-L-	337+08.00	338+96.00	MED RT	188.00			338+00.00		18				4.7	4.7									1	X	X				OVERHEAD SIGN ASSEMBLY
-L-	354+76.98	362+76.98	RT	800.00			356+26.98	362+76.98 (BRIDGE)	12	15	50			2	1			1											
-L-	356+47.13	363+09.63	LT	662.50			363+09.63 (BRIDGE)	356+47.13	12	15			2				1	1											
-L-	360+49.22	362+87.85	MED RT	237.50				362+87.85	4	7	37.5		12			1		1											
-L-	360+72.63	362+98.76	MED LT	225.00			362+98.76		4	7		37.5				1		1											
-L-	363+68.48	370+65.00	RT	696.52			363+68.48 (BRIDGE)	370+65.00 (BRIDGE)	12	15			2	2				2											
-L-	364+01.13	370+65.00	LT	663.87			370+65.00 (BRIDGE)	364+01.13 (BRIDGE)	12	15			2	2				2											
-L-	363+79.35	366+04.35	MED RT	225.00			363+79.35 (BRIDGE)		4	7	37.5					1		1											
-L-	363+90.26	366+27.76	MED LT	237.50				363+90.29 (BRIDGE)	4	7		37.5	12			1		1											
-L-	368+40.00	370+65.00	MED RT	225.00				370+65.00 (BRIDGE)	4	7	37.5		11			1		1											
-L-	368+65.00	370+65.00	MED LT	200.00			370+65.00 (BRIDGE)		4	7		37.5				1		1											
-L-	375+40.00	383+30.00	RT	790.00			375+40.00 (BRIDGE)	383+30.00	12	15			2	2				2											
-L-	375+40.00	377+40.00	MED RT	200.00			375+40.00 (BRIDGE)		4	7	37.5					1		1											
-L-	375+40.00	377+65.00	MED LT	225.00				375+40.00 (BRIDGE)	4	7		37.5	11			1		1											
-L-	375+40.00	383+30.00	LT	790.00			383+30.00 (BRIDGE)	375+40.00 (BRIDGE)	12	15			2	2				2											
-L-	381+05.00	383+30.00	MED RT	225.00				383+30.00 (BRIDGE	4	7	37.5		11			1		1											
-L-	381+30.00	383+30.00	MED LT	200.00			383+30.00 (BRIDGE)		4	7		37.5				1		1											
-L-	395+65.00	403+65.00	RT	800.00			395+65.00 (BRIDGE)	403+65.00 (BRIDGE)	12	15			2				1	1											
-L-	395+65.00	397+65.00	MED RT	200.00			395+65.00 (BRIDGE)		4	7	37.5					1		1											
-L-	395+65.00	397+90.00	MED LT	225.00				395+65.00 (BRIDGE)	4	7		37.5	11			1		1											
-L-	395+65.00	399+77.50	LT	412.50				395+65.00 (BRIDGE)	12	15	50			2	1			1											
-L-	419+16.94	427+91.94	RT	875.00			420+66.94	427+91.94 (BRIDGE)	12	15	50			2	1			1											
-L-	420+23.09	428+23.09	LT	800.00			428+23.09 (BRIDGE)	420+23.09	12	15			2				1	1											
-L-	425+64.60	428+02.10	MED RT	237.50				428+02.10 (BRIDGE)	4	7	37.5		12			1		1											
-L-	425+87.93	428+12.93	MED LT	225.00			428+12.93		4	7		37.5				1		1											
-L-	428+87.61	442+37.61	RT	1350.00			428+87.61 (BRIDGE)	442+37.61	12	15			2				1	1											
-L-	428+97.77	431+22.77	MED RT	225.00			428+97.77 (BRIDGE)		4	7	37.5					1		1											
-L-	429+08.59	431+46.09	MED LT	237.50				429+08.59 (BRIDGE)	4	7		37.5	12			1		1											
-L-	429+18.75	442+93.75	LT	1375.00			441+43.75	429+18.75 (BRIDGE)	12	15	50			2	1			1											
-L-	517+49.21	526+74.21	RT	925.00			518+99.21	526+74.21 (BRIDGE)	12	15	50			2	1			1											
-L-	519+04.86	524+42.36	LT	537.50			524+42.36 (BRIDGE)	519+04.86	12	15			2				1	1											
-L-	523+71.92	525+96.92	MED RT	225.00				525+96.92 (BRIDGE)	4	7	37.5		11			1		1											
-L-	524+00.90	525+19.65	MED LT	118.75			525+19.65 (BRIDGE)		4	7		37.5				1		1											
-L-	526+67.86	536+05.36	LT	937.50			534+55.36	526+67.86 (BRIDGE)	12	15	50			2	1			1											
-L-	527+45.15	529+70.15	MED LT	225.00				527+45.15	4	7	37.5		11			1		1											
-L-	528+22.42	529+41.17	MED RT	118.75			528+22.42 (BRIDGE)		4	7		37.5				1		1											
-L-	528+99.71	536+12.21	RT	712.50			528+99.71 (BRIDGE)	536+12.21	12	15			2				1	1											
-L-	552+49.02	560+74.02	RT	825.00			553+99.02	560+74.02 (BRIDGE0	12	15	50			2	1			1											
-L-	553+68.99	560+68.99	LT	700.00			560+68.99 (BRIDGE)	553+68.99	12	15			2				1	1											
-L-	558+60.58	560+73.08	MED RT	212.50			560+73.08 (BRIDGE)		4	7	37.5		10			1		1											
-L-	558+44.91	560+69.91	MED LT	225.00				560+69.91 (BRIDGE)	4	7		37.5				1		1											
-L-	561+58.00	571+08.00	LT	950.00			569+58.00	561+58.00 (BRIDGE)	12	15	50			2	1			1											
-L-	561+59.24	563+71.74	MED LT	212.50				561+59.24 (BRIDGE)	4	7	37.5		10			1		1											
-L-	561+59.91	563+47.41	MED RT	187.50			561+59.91 (BRIDGE)		4	7		37.5				1		1											
-L-	561+61.16	569+23.66	RT	762.50			561+61.16 (BRIDGE)	569+23.66	12	15			2				1	1											
-L-	610+30.79	611+19.29	LT	88.50				611+19.29	18.5				3.25					1					1	X	X	100			
-L-	610+30.79	611+19.29	RT	88.50			611+19.29		18.5				3.25					1											
-L-	612+30.79	613+07.79	LT	77.00				612+19.29	18.5				3.25					1					1	X	X	100			
-L-	612+30.79	613+07.79	RT	77.00			612+19.29		18.5				3.25					1											
-L-	619+93.70	623+81.20	RT	387.50			621+43.70	623+81.20 (BRIDGE)	6	9	50		6		1			1											
-L-	621+60.00	623+35.00	MED RT	175.00				623+35.00 (EX GR)	4	7	37.5		9			1													
-L-	621+85.00	623+35.00	MED LT	150.00			623+35.00 (EX GR)		4	7		37.5				1													
-L-	626+30.54	629+05.54	RT	275.00			626+30.54 (BRIDGE)	629+05.54 (BRIDGE)	6	9			6				1	1											
-L-	627+31.58	630+06.58	LT	275.00			627+31.58 (EX GR)	630+06.58	12	15			7										1	X	X				
-Y6-	12+27.50	14+40.00	RT	212.50			14+40.00		10	13	50				1			1								256			
-Y6-	14+32.50	15+20.00	LT	87.50				15+20.00	10	13	50				1			1								255			
-Y6-	16+96.00	17+83.50	RT	87.50			16+96.00		10	13	50				1			1											
-Y6-	17+75.00	19+87.50	LT	212.50				17+75.00	10	13	50				1			1											

6/16/99

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