COMPUTED BY:	Justin Blackman	DATE:	3/13/2019
CHECKED BY:	Susan Lancaster	DATE:	03/16/2021

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
I-5883	3B-7

"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

GUARDRAIL SUMMARY

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		DOUBLE FACED CONCRETE BARRIER	SINGLE FACED CONCRETE BARRIER	CONCRETE BARRIER TRANSITION SECTION	MEDIAN HAZARD PROTECTION	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 TL-3	GREU TL-2	CAT-1	AT-1	B-77	TYPE III	G	NG							
-L-	1070+43.75	1072+62.50	LT	225.00			1070+50.00		14	17	50		1				1		1												
-L-	1086+00.25	1087+06.31	RT	112.50			1087+00.00		14	17	50		1				1		1												
-L-	1098+56.80	1101+56.48	RT	300.00			1101+56.48		12	17	50		1				1				1					98.86			89.69		
-L-	1101+67.61	1104+67.77	LT	312.50			1101+67.61		12	17	50		1				1				1					99.31			292.13		
-L-	1116+93.62	1118+88.69	LT	200.00			1117+00.00		14	17	50		1				1		1												
-L-	1140+93.75	1143+12.50	LT	225.00			1141+00.00		14	17	50		1				1		1												
-L-	1167+43.71	1170+12.12	LT	275.00			1167+50.00		14	17	50		1				1		1												
-L-	1202+61.91	1205+59.79	RT	300.00			1205+59.79		12	17	50		1				1				1					74.7			102.97		
-L-	1207+59.24	1210+57.12	LT	300.00			1207+59.24		12	17	50		1				1				1					74.7			98.88		
-L-	1219+92.76	1223+50.79	LT	362.50			1220+56.00	1220+15.52	14	17	50		1				1		1												
-Y16-	23+37.72	26+00.27	RT	275.00			26+00.27		8	11	50		1				1				1										
-Y16-	23+94.58	26+28.61	LT	237.50			26+28.61		8	11		50		1			1				1								335.75		
-Y16-	27+89.77	30+23.82	RT	237.50			27+89.77		8	11		50		1			1				1								398.71		
-Y16-	28+18.11	30+34.90	LT	225.00			28+18.11		8	11	50		1				1				1								502.90		
-Y16-	30+55.40	33+06.20	RT	175.00	112.5				8	11										1											
-Y16RPC-	20+12.26	27+32.03	RT	750.00					14	17	50		1				1														
-Y17-	23+20.22	25+53.89	LT	237.50			25+53.89		8	11		50		1			1				1								205.97		
-Y17-	23+35.05	25+94.07	RT	262.50			25+94.07		8	11	50		1				1				1								283.54		
-Y17-	27+67.39	29+83.96	LT	225.00			27+67.39		8	11	50		1				1				1								261.04		
-Y17-	28+07.57	30+41.88	RT	237.50			28+07.57		8	11		50		1			1				1								205.09		
-Y17-	32+06.86	34+99.72	LT	212.50	125				8	11	50		1				1														
-Y17RPD-	21+47.86	24+66.83	LT	350.00					14	17									1												
-Y17-	32+55.90	33+91.30	RT	75.00	112.5				8	11										1											
-Y17RPC-	22+87.91	24+69.37	RT	187.50					14	17	50		1				1														
-Y17RPB-	24+76.16	28+29.03	LT	375.00			27+90.00	24+76.16	14	17	50		1				1		1												
-SR17-	35+08.64	37+34.63	RT	225.00			36+08.21	36+35.01	4	7	50	50	1	1			2														
-L-	1063+00.00	1100+83.90	CL																						3783.90						
-L-	1100+83.93	1102+40.07	CL																									156.17			SEE DETAIL 2C-8 FOR MEDIAN HAZARD PROTECTION
-L-	1102+40.07	1205+78.60	CL																						10338.5						
-L-	1205+78.60	1207+40.43	CL																									161.83			SEE DETAIL 2C-8 FOR MEDIAN HAZARD PROTECTION
-L-	1207+40.43	1232+00.00	CL																						2459.57						
-SR15-	32+73.39	98+31.31	LT																					1	6407.92						150' DEDUCTED FOR CONCRETE TRANSITION SECTIONS
-L-	1061+63.00	1232+00.00	MED																										17037.00		EXISTING DOUBLE FACED MEDIAN GUARDRAIL
-Y16RPD-	18+34.50	19+18.35	LT																										190.29		
-L-	1136+00.00		RT																								1				FOR OVERHEAD SIGN
-L-	1162+00.00																										1				FOR OVERHEAD SIGN
-L-	1188+75.00		RT																								1				FOR OVERHEAD SIGN
				0.00																											
				0.00																											
				0.00																											
			SUBTOTAL	6,900.00	350.00	0.00									0	0	24	0	8	2	12	0	0	1	22989.92	347.57	3.00	318.00	20003.97		
		ANCHOR UNIT DEDUCTION																													
		GREU 350 TL-3: 24 @ 50.00 = 1200.00																													
		AT-1: 2 @ 6.25 = 12.50																													
		CAT-1: 8 @ 6.25 = 50.00																													
		TYPE B-77: 12 @ 22.875 = 274.50																													
		TOTAL		1,537.00																											
			I-5883 TOTAL	5,363.00	350.00										0	0	24	0	8	2	12	0		1	22991	584	3	200	20004.00		
			SAY	**5,375.00**																											
		ADDITIONAL GUARDRAIL POST		25.00																											