COMPUTED BY: DM DATE: 3/10/2022

CHECKED BY: CA DATE: 3/17/2022

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
I-5987A	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		SINGLE FACED CONCRETE BARRIER	REMOVE EXISTING GUIDERAIL	REMOVE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	Type III	B-77	GREU, TL-3	GREU, TL-2	CAT-1	AT-1	Type III SC	B-77 SC		G	NG				
-Y3-	27+00.33	28+02.50	LT																								102.47	
-Y3-	31+37.07	33+77.00	LT																								240.16	
-Y3-	25+15.59	27+65.50	RT																								249.93	
-Y3-	31+00.95	32+02.96	RT																								102.19	
-L-	340+00.00	342+43.85	MED																							243.88		
-L-	341+60.42	361+45.23	MED																							1984.89		
-L-	360+67.58	377+75.55	MED																							1708.13		
-L-	376+96.55	384+99.85	MED																							803.36		
-L-	385+76.67	406+33.31	MED																							2056.68		
-L-	405+50.55	437+25.21	MED																							3174.43		
-L-	425+24.96	426+08.45	MED																							83.52		
-L-	437+64.90	462+70.05	MED																							2505.17		
-L-	453+06.03	453+56.82	MED																							50.9		
-L-	463+20.62	495+00.00	MED																							3179.42		
-L-	470+58.07	471+08.60	LT/MED																							50.71		
-L-	487+97.09	488+47.51	LT/MED																							50.53		
-L-	67+00.00	67+00.00	LT/MED/RT																					3				
SHEET TOTAL																								3		15891.62	694.75	
SHEET 1 TOTAL				8427.88												8	22		14						1687.41	12061.41	24625.29	
SHEET 2 TOTAL				11924.61											4	11	23	2	12						1720.75		3683.35	
LESS ANCHOR DEDUCTION																												
TYPE III		4	@ 18.75'	-75																								
B-77		19	@ 22.875'	-434.625																								
GREU TL-2		2	@ 25.00'	-50																								
GREU TL-3		45	@ 50.00'	-2250																								
CAT-1		26	@ 6.25'	-162.5																								
PROJECT TOTAL				17380.365											4	19	45	2	26					3	3408.16	27953.03	29003.39	
SAY				**17400**											**4**	**19**	**45**	**2**	**26**					**3**	**3410**	**27960**	**29010**	
ADDITIONAL GUARDRAIL POSTS				**10**																								