COMPUTED BY: FMM DATE: 09/09/22
CHECKED BY: MRH DATE: 12/04/23

PROJECT REFERENCE NO.	SHEET NO.
B-5982	3B-2

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

GUARDRAIL SUMMARY

"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			SINGLE FACED CONCRETE BARRIER	DOUBLE 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	Type III	B-77	GREU, TL-3	GREU, TL-2	CAT-1		G	NG						
-L-	14+76.58	1957.89	RT	481.31			1957.89		12	15	50		1		1		1									490		
-L-	21+23.69	25+25.00	RT	401.31				2123.69	10	10					1											409		
-L-	21+04.21	25+84.25	LT	420.64				2104.21	10	10					1											493		
-L-	12+20.00	19+35.82	MED																						715.82			
-L-	21+28.78	26+37.14	MED																						508.36			
			TOTAL	1303.26											3		1								1224.18	1392		
DEDUCTION FOR ANCHORS																												
TYPE		QTY	LT/EA																									
GREU TL-3		1	50	50.00																								
TYPE III		3	18.75	56.25																								
TYPE B-77		0	22.875	0.00																								
CAT-1		0	6.25	0.00																								
		TOTAL DEDUCTION		106.25																								
		GRAND TOTAL		1197.01																								
		SAY		1275																					1230			
		ADDITIONAL GUARDRAIL POSTS		10	EA																							

TEMPORARY GUARDRAIL SUMMARY

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	DOUBLE 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	Type III	B-77	GREU, TL-3	GREU, TL-2	CAT-1		G	NG						
-L_DET_EB-	18+93.10	23+32.62	LT						4																			
-L_DET_EB-	23+46.36	24+39.73	LT						4																			
-L_DET_EB-	15+84.72	17+59.72	LT	185.375			1958.44		4	9	50		1			1	1											
-L_DET-	18+96.48	23+52.77	RT						4																			
-L_DET-	18+95.17	23+91.900	LT	496.730			18+95.17		10	13						1												
-L_DET-	13+00.00	17+53.63	LT	453.69				17+53.63	VAR.	VAR.						1			1									
			TOTAL	1135.80												3	1		1			0.00		0	0	0		
DEDUCTION FOR ANCHORS																												
TYPE		QTY	LT/EA																									
GREU TL-3		1	50	50.00																								
TYPE III		0	18.75	0																								
TYPE B-77		3	22.875	68.63																								
CAT-1		1	6.25	6.25																								
		TOTAL DEDUCTION		124.88																								
		GRAND TOTAL		1010.92																								
		SAY		**1037.5**																								
		Additional Temporary GR Posts		10	EA																							

5/28/99
6/6/2024
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