COMPUTED BY: *MCP* DATE: *9/21/2023*

CHECKED BY: DATE:

PROJECT REFERENCE NO.	SHEET NO.
HI-0015	3B-1

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
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 TYPE TL-3		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	GREU TL-3	CAT-1	TYPE-III						G	NG				
-I74EBL-	700+68.17	704+49.42	RT	381.250											1	1										373		
-I74EBL-	744+67.75	747+99.00	RT	331.250											1	1										320		
-I74EBL-	796+50.00	814+06.25	RT	1756.250											1	1										930		
-I74EBL-	824+56.25	826+50.00	LT (MEDIAN)	193.750											1		1									190		
-I74EBL-	824+43.75	826+50.00	RT	206.250			MATCH EXISTING						MATCH EXISTING		1		1									201		
-I74EBL-	827+49.07	829+42.82	LT (MEDIAN)	193.750											1		1									181		
-I74EBL-	827+49.07	831+61.57	RT	412.500												1	1									405		
			SUBTOTAL	3475.000											6	4	4									2601		
-I74WBL-	512+56.25	515+00.00	LT	243.750											1	1										242		
-I74WBL-	668+14.63	670+58.38	LT	243.750											1	1										242		
-I74WBL-	824+69.61	826+38.36	RT (MEDIAN)	168.750											1		1									158		
-I74WBL-	828+01.52	829+95.27	RT (MEDIAN)	193.750			MATCH EXISTING						MATCH EXISTING		1		1									182		
			SUBTOTAL	850.000											4	2	2									824		
LESS DEDUCTIONS FOR ANCHORS			GREU TL-3 (10@50')=	-500.000																								
			CAT-1 (6@6.25')=	-37.500																								
			TYPE-III (6@18.75')=	-112.500																								
			PROJECT TOTAL	3675											10	6	6									3425		
			SAY	3675																								
ADDITIONAL GUARDRAIL POSTS = 25 EA.																												