COMPUTED BY:	DRE	DATE:	4/12/2017
CHECKED BY:		DATE:	

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
R-5719	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

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		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	GRAU-350	M-350	TYPE III	CAT-1	AT-1	BIC	B-77	G	NG				
-L-	35+31.90	38+31.90	RT	300.00					10	13	225		4				1						1						
-L-	36+32.18	38+44.68	MED	212.50					6	12	150		10					1					1						
-L-	39+76.89	41+89.39	MED	212.50					6	12	150		10					1					1						
-L-	39+89.67	42+89.67	LT	300.00					10	13	225		4				1						1						
-RAMP_D-	10+00.00	17+62.50	LT	762.50					14	17							1										303		
-L-	56+99.99	62+12.49	RT	512.50					14	17										1							552		
-RAMP_A-	10+00.00	11+12.50	RT	112.50					14	17										1									
-L-	55+00.00	64+00.00	LT	900.00					14	17							1										978		
		SUBTOTAL		3312.50																									
	GRAU-350	4@50'		200.00																									
	M-350	2@37.5'		75.00																									
	CAT-1	2@6.25'		12.50																									
	B-77	4@18.75'		75.00																									
	TOTAL DEDUCTIONS			362.50																									
		R-5719 TOTAL		2950.00													4	2		2			4				1833		
		U-5796 TOTAL		1750.00	600												9		4	2	1		4		2	60			
		COMBINE TOTAL		4700	600												13	2	4	4	1		8		2	60	1833		

ADDITIONAL GUARDRAIL POSTS R-5719	10	EA
ADDITIONAL GUARDRAIL POSTS U-5796	10	EA
ADDITIONAL GUARDRAIL POSTS COMBINE TOTAL	20	EA

DOUBLE FACED CABLE GUIDERAIL SUMMARY

LINE	STATION TO STATION			LOCATION	LENGTH			CABLE GUIDERAIL ANCHOR UNITS		REMOVE EXISTING GUIDERAIL
								TERMINAL	INTERMEDIATE	
-L-	10+00.00	TO	38+42.56	MED	2842.56			2	2	2314
-L-	39+79.01	TO	68+00.00	MED	2820.99			2	2	2018
				SUBTOTAL	5663.55			4	4	
ANCHOR UNITS		4@25'			100.00					
		TOTAL			5563.55			8		4332
		R-5719 SAY			5600.00			8		4400
		U-5796 SAY			4040.00			8		3260
		COMBINE TOTAL			9640.00			16		7660

ADDITIONAL GUIDERAIL POSTS R-5719	6	EA
ADDITIONAL GUIDERAIL POSTS U-5796	6	EA
ADDITIONAL GUIDERAIL POSTS COMBINE TOTAL	12	EA