COMPUTED BY: *WC Parker, PE* **DATE:** *7-26-2016*
CHECKED BY: ____________ **DATE:** ____________

PROJECT REFERENCE NO.	SHEET NO.
R-5023B	*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 350		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	XI MOD	XI	GRAU 350	M-350	XIII	CAT-1	B-77	TYPE III	AT-1	G	NG				
-L-	34+06.81	36+13.06	LT	206.25			HEADWALL		8'	11'	50'		1'				1			1									
-L-	56+46.78	57+32+/-	LT	56.25	31.25		HEADWALL		8'	11'										1			1						
-L-	55+93+/-	56+72.28	RT	56.25	43.75		HEADWALL		8'	11'										1			1						
-L-	84+60+/-	87+36.62	RT	231.25	68.75		CULVERT		2'	10'										1			1						
-L-	87+44.40	88+10+/-	LT	43.75	43.75		CULVERT		2'	6'										1			1						
-L-	91+97.22	94+15.97	LT	218.75			93+10.56	92+03+/-	2'	6'	100'		13'+/-					1		1									
-L1-	25+12.50	28+00.00	RT	287.5			BRIDGE		8'	11'	287.5'		5.75'				1										290		
	GUARDRAIL SUBTOTALS:			**1,100.00**	**187.5**												**2**	**1**		**6**			**4**				**290**		

	STRAIGHT	SHOP CURVED	DOUBLE FACED	GRAU 350	M-350	CAT-1	AT-1	REMOVE EXISTING GUARDRAIL
GUARDRAIL SUBTOTALS:	**1,100.00**	**187.50**						
ANCHOR DEDUCTIONS:								
GRAU-350: 2 @ 50' EA	100							
M-350: 1 @ 37.5' EA	37.5							
CAT-1: 6 @ 6.25' EA	37.5							
TYPE AT-1: 4 @ 6.25' EA		25						
ANCHOR TOTALS:	**175**	**25**						
GUARDRAIL GRAND TOTALS:	**925.00**	**162.5**		**2**	**1**	**6**	**4**	**290**
SAY:	**975.0**	**187.5**						
ADDITIONAL GUARDRAIL POSTS = 5								