COMPUTED BY: *W.C. Parker, PE* DATE: *2/10/2015*
CHECKED BY: DATE:

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
W-5518	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		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	B-77	XI	GRAU 350	M-350	III	CAT-1	VI MOD	BIC	G	NG				
-L-	15+76.87	23+08.12	LT	731.25				17+00	8'	11'		100'		2'			1		1									
-L-	16+19.67	22+88.42	RT	668.75			17+50		8'	11'	100'		2'				1		1									
-L-	25+04.61	32+73.36	RT	768.75				31+50	8'	11'		100'		2'			1		1									
-L-	25+24.31	32+80.56	LT	756.25			31+50		8'	11'	100'		2'				1		1									
-Y-	23+96.09	24+31.09	MEDIAN	43.75			24+31.09		27'-8"	30'	25'		~1'		2								1		46			
-Y-	24+77.01	25+12.01	MEDIAN	43.75			24+77.01		27'-8"	30'	25'		~1'		2								1		46			
GUARDRAIL SUBTOTALS:				**3,012.50**											**4**		**4**		**4**				**2**		**92**			

GUARDRAIL SUBTOTALS:	**3,012.50**
ANCHOR DEDUCTIONS:	
TYPE B-77: 4 @ 18.75' EA	75
GRAU-350: 4 @ 50.0' EA	200
TYPE III: 4 @ 18.75' EA	75
ANCHOR TOTALS:	**350**
GUARDRAIL GRAND TOTALS:	**2,662.50**
SAY:	**2,700**

															4		**4**		**4**				**2**		**92**			

ADDITIONAL GUARDRAIL POSTS = 5