COMPUTED BY:	HWB	DATE:	2-15
CHECKED BY:	ADS	DATE:	2-15

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REF NO.	SHT
R-2413CA	3B-2

NC10404

"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 BEGIN

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	GRAU 350	M-350		CAT-1	TEMP GRAU 350	AT-1	TERM SECT	G	NG				
L REV	76+26.371	77+40.671	RT (NB)	114.300			76+72.091	77+40.000	4.2	5.2	15.24	-	0.3	-			1			1							387.483		
L REV	84+00.000	85+48.590	LT (SB)	148.590			85+02.870	84+00.000	4.2	5.2	15.24	-	0.3	-			1												TIE TO EXISTING GUARDRAIL
LREV_NB	86+50.168	89+89.258	LT (MED)	339.090			86+95.888	89+89.258	1.8	2.8	15.24	-	0.3	-			1			1									
LREV_SB	87+30.630	90+39.240	RT (MED)	308.610			90+39.240	87+30.630	1.8	2.8	-	-	-	-		1				1									
LREV_SB	88+74.852	90+34.872	LT	160.020			90+34.872	88+74.852	4.2	5.2	-	-	-	-		1				1									
LREV_SB	90+79.372	91+53.667	LT	74.295			91+07.947	90+79.372	4.2	5.2	15.24	-	0.3	-		1	1												
LREV_SB	90+83.740	92+41.855	RT	158.115			91+96.135	90+83.740	1.8	2.8	15.24	-	0.3	-		1	1												
NC68_SB	11+88.584	15+79.109	LT	390.525			11+88.584	11+88.584	3.6	4.6	-	-	-	-						1									
LREV_SB	93+47.903	96+26.033	LT	278.130			93+93.623	93+47.903	4.2	5.2	15.24	-	0.3	-			1										257.175		
LREV_SB	97+14.654	98+72.769	RT (MED)	158.115			98+72.769	97+14.654	1.8	2.8	-	-	-	-						1									
LREV_NB	96+79.250	98+39.270	LT (MED)	160.020			97+24.970	98+39.270	1.8	2.8	15.24	-	0.3	-			1										273.824		
LREV_END	98+41.554	99+17.754	RT (MED)	76.200			98+41.554	99+17.754	1.8	2.8	-	-	-	-						1							310.161		
LREV_END	98+41.554	99+15.849	LT (MED)	74.295			98+70.129	99+15.849	1.8	2.8	15.24	-	0.3	-			1										326.776		
LREV_END	104+62.350	105+53.000	LT	64.770	26.670		105+20.000	104+62.350	3.6	4.6	15.24	-	0.3	-			1			1									
LREV_END	105+42.140	105+65.000	RT (MED)	22.860			105+42.140	105+65.000	1.8	2.8	15.24	-	0.3	-			1										344.551		TIE TO EXISTING GUARDRAIL
LREV_END	105+44.045	105+65.000	LT (MED)	20.955			105+65.000	105+44.045	1.8	2.8	-	-	-	-						1							328.225		TIE TO EXISTING GUARDRAIL
NC68_NB	11+01.922	12+98.137	LT	196.215			11+34.922	12+98.137	3.6	4.6	15.24	-	0.3	-		1	1									71.758			
NC68_NB	12+31.045	12+52.000	RT	20.955			12+52.000	12+52.000	3.6	4.6	15.24	-	0.3	-		1	1									39.677			
NC68_NB	13+70.000	13+94.765	LT	24.765			13+70.000	13+70.000	3.6	4.6	-	-	-	-		1				1									
TOTAL				2790.825	26.670											7	12			10									
LESS ANCHOR UNIT DEDUCTIONS																													
B-77		7	@ 5.72	40.005																									
GRAU 350		12	@ 15.24	182.88																									
CAT-1		10	@ 1.91	19.05																									
TOTAL (M)				2548.890	26.670											7	12			10						111.435	2228.195		
ENGLISH TOTAL (LF)				8362.500	87.500											7	12			10						365.600	7310.351		
ENGLISH SAY (LF)				**8362.5**	**87.5**		***ADD 5 ADDITIONAL GUARDRAIL POSTS**									**7**	**12**			**10**						**366**	**7311**		

DOUBLE FACE CABLE GUIDERAIL SUMMARY

	LINE	BEG STA	END STA	LENGTH	INTERMED ANCHORS	TERMINAL ANCHORS
	LREV	75+60.000	86+18.605	1058.61	1	1
	LREV_NB	86+18.605	86+52.177	33.57	0	1
*	LESS ANCHOR DEDUCTIONS					
	TERMINAL ANCHORS	2	@ 7.6m =	-15.20		
	TOTAL (M)			1076.98	1	2
*	**ENGLISH (LF)**			3533.39	1	2
	SAY (LF)			**3535**	**1**	**2**

ADDITIONAL GUIDERAIL POSTS - 10