Docusign Envelope ID: 048D5AD3-1A89-4C07-BD36-E3D7C8CB3E79

COMPUTED BY: SGM DATE: 12/16/2025
CHECKED BY: JLT DATE: 1/13/26

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
A-0009CD	3B-2

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.	LOC	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOUL WIDTH	FLARE LENGTH		W		ANCHORS								IMPACT ATTENUATOR		EXTRA LENGTH GUARDRAIL POSTS (8' STEEL)	WOOD RUB RAIL	REMOVE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END		B-77	GREU, TL-3	GREU, TL-2	CAT-1	AT-1	B-77 SC	END SECTION	G	NG				
-Y2-	89+78.70	97+84.95	RT	806.250					VAR. BERM 4'-8'		50'	50'	1'	1'			2											STD 862.01, SHT 12 OF 15: GUARDRAIL 6" FROM FACE OF CURB
-Y2-	99+85.00	105+04.00	RT																							519		
-Y2-	90+50.00	-Y3- 13+34.50	LT	762.500	87.5				8'	11'		50'		1'						1								REMOVE GR ANCHOR & TIE TO EXIST. GUARDRAIL (A-0009CC)
-Y2-	99+35.00	105+53.75	RT	618.750					15.5' BERM		50'	50'	1'	1'			2										50.0	STD 862.01, SHT 12 OF 15
-Y2-	107+00.00	111+06.25	RT	406.250					15.5' BERM		50'	50'	1'	1'			2											AT MUP PLACE GUARDRAIL IN LINE WITH FACE OF CURB
-Y2-	112+13.00	132+00.50	RT	1987.500					15.5' BERM		50'	50'	1'	1'			2											
-Y2-	107+50.00	110+56.00	RT																							306		
-Y2-	112+63.00	131+51.00	RT																							1888		
-Y2-	117+80.00	126+80.00	LT	900.000					8' BERM		50'	50'	1'	1'			2										880.0	STD 862.01, SHT 12 OF 15: GUARDRAIL 6" FROM FACE OF CURB
-Y2-	127+20.00	133+51.25	LT	631.250					8'BERM		50'	50'	1'	1'			2										470.0	
-Y2-	133+20.00	133+60.00	RT	29.125	25				8'	11'						1				1								SHOULDER BERM GUTTER INSTALLATION; TIE TO DBL FACED CONCRETE BARRIER
-Y2-	135+50.00	143+00.00	LT	750.000					8'	806.12	50'	50'	1'	1'													501.4	
-Y2-	139+00.00	142+50.00	RT	350.000					8'	11'	50'	50'	1'	1'			2											SHOULDER BERM GUTTER INSTALLATION
-Y2-	143+75.00	147+37.50	LT	362.500					8'	11'	50'	50'	1'	1'			2										326.8	
-Y2-	145+80.88	146+60.00	RT	79.125					8'	11'	50'		1'			1	1											TIE TO SGL FACED CONCRETE BARRIER
-Y2-	147+71.00	155+02+/-	LT	731.250	106.25				8'	11'	25'	50'	0.5'	1'			1	1									817.9	
-Y2-	148+80.00	149+59.13	RT	79.125					8'	11'		50'		1'		1	1											TIE TO SGL FACED CONCRETE BARRIER
-Y2-	152+45.88	153+25.00	RT	79.125					8'	11'	50'		1'			1	1											TIE TO DBL FACED CONCRETE BARRIER, SHOULDER BERM GUTTER INSTALLATION
-Y2-	155+70.88	156+50.00	LT	79.125					8'	11'		50'		1'		1	1											TIE TO DBL FACED CONCRETE BARRIER, SHOULDER BERM GUTTER INSTALLATION
-Y2-	161+00.00	161+72.88	LT	72.875					8'	11'	50		1'			1	1											TIE TO DBL FACED CONCRETE BARRIER, SHOULDER BERM GUTTER INSTALLATION
-Y2-	161+84.00	163+37.00	RT	137.500	31.25				8'	11'									1	1							100.6	
-Y2-	164+42.00	166+17.00	RT	175.000					8'	11'							2										162.7	
SUB-TOTALS				9,037.250	250.000											6	24	1	1	3						2,713	3,309.4	
LESS ANCHOR DEDUCTIONS																												
	TYPE B-77	6 @ 22.875 FT		137.250																								
	TYPE TL-3	24 @ 50.00 FT		1,200.000																								
	TYPE TL-2	1@ 25.00 FT		25.000																								
	CAT-1	1@ 6.25 FT		6.250																								
	AT-1	3@ 6.25 FT			18.750																							
ANCHOR TOTAL				1,368.500	18.750																							
GRAND-TOTALS				7,668.750	231.25											6	24	1	1	3						2,713	3,309.40	
SAY				**7,700**	**237.5**											**6**	**24**	**1**	**1**	**3**						**2,750**	**3,310**	
ADDITIONAL GUARDRAIL POSTS =				**10 EA**																								
TEMPORARY GUARDRAIL																												
-Y2-	98+92.00	102+29.50	LT	337.50													2											TEMPORARY ANCHOR UNITS
-Y2-	98+86.00	102+15.00	RT	312.50	31.25					7							1			1								TEMPORARY ANCHOR UNITS
-Y2-	140+55.00	142+11.25	RT	156.25													2											TEMPORARY ANCHOR UNITS
SUB-TOTALS				806.25	31.25												5			1								
LESS ANCHOR DEDUCTIONS																												
	TEMP. TYPE TL-3	5 @ 50.00 FT		250.00																								
	TEMP. TYPE AT-1	1 @ 6.25 FT			6.25																							
ANCHOR TOTAL				250.00	6.25																							
GRAND-TOTALS				556.25	25.00												5			1								
SAY				**556.25**	**25**												**5**			**1**								