Docusign Envelope ID: 17F2CC73-EE86-4776-ABF6-564C608D43A8

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DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
R-5921	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.	LOC	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOUL WIDTH	FLARE LENGTH		W		ANCHORS								IMPACT ATTENUATOR		SINGLE FACED CONCRETE BARRIER	EXTRA DEPTH POSTS	REMOVE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	Type III MODIFIED		GREU, TL-3	GREU, TL-2	CAT-1	AT-1	Type III SC			G	NG				
-L-	15+67+/-	19+09+/-	LT																									356.1	
-L-	19+31+/-	20+52+/-	LT																									127.4	
-L-	25+76.00	26+52.00	LT	31.25	75.00														1		1							292.2	R= 49'
-L-	26+92.00	56+84.00	LT	2,968.75	43.75		56+00.00	26+92.00	8'	11'	50'		1'				1				1							2684.3	R=25'; 685' WITH SBG
-L-	61+50.00	64+50.00	LT	300.00			63+50.00	62+00.00	8'	11'	50'		1'				1		1							48		USE EXTRA DEPTH POSTS : 300' @ 6'-3" SPACING
-L-	71+00.00	79+75.00	LT	856.25	50.00		79+50.00	72+00.00	8'	11'									1							36	930.2	R=20; TIE TO EXIST. GR; EXTRA DEPTH POSTS: 72+25 TO 72+75 & 77+50 TO 79+75 : 275' @ 6'-3" SPACING
-L-	74+03.00	78+46.75	RT	443.75			75+00.00	77+50.00	10'	13'	50'		1'				1		1									402.7	
-L-	115+50.00	128+00.00	LT	1,250.00			127+50.00	116+50.00	8'	11'	50'	50'	1'	1'			2											1181.6	
-L-	159+05.00	162+50.00	LT	350.00	37.50		161+16.00	159+28.00	8'	11'									1	1						62	388.1	USE EXTRA DEPTH POSTS: 387.5 @ 6'-3" SPACING
-L-	214+28+/-	214+82+/-	LT																									78.7	
-L-	215+81.25	219+00.00	LT	318.75			218+50.00	216+00.00	5'	8'	50'		1'				1		1									314.6	
-L-	219+63+/-	228+14+/-	RT																									851.2	
-L-	223+75.00	227+81.25	LT	406.25			227+00.00	224+00.00	8'	11'	50'		1'				1		1									201.8	
-L-	228+25.00	230+50.00	LT	225.00			230+00.00	228+50.00	8'	11'	50'		1'				1		1									178.4	
-L-	228+98.75	233+55.00	RT	456.25			229+50.00	233+00.00	10'	13'	50'		1'				1		1									476.2	
-L-	231+08.50	234+96.00	LT	387.50				234+96.00	8'	11'					1				1									387.3	TIE TO EXIST. BRIDGE
-L-	234+08.75	235+65.00	MED, RT	156.25			235+65.00		6'	9'	137.5'		2.75'		1		1											151.3	TIE TO EXIST. BRIDGE
-L-	234+48.00	235+98.00	RT	150.00			235+98.00		10'	13'	50'		1'		1		1											150.5	TIE TO EXIST. BRIDGE
-L-	236+93.00	244+80.00	LT	787.50	37.50		236+93.00		6'	9'					1					1								789	R=15'; TIE TO EXIST. BRIDGE
-L-	237+25.00	238+75.00	MED, LT	150.00			237+25.00		6'	9'	131.25		2.625'		1		1											180.8	TIE TO EXIST. BRIDGE
-L-	237+94.00	244+50.25	RT	656.25			237+94.00		7'	10'					1				1									675.9	TIE TO EXIST. BRIDGE
-L-	245+25.00	253+87.50	RT	862.50			245+50.00	253+75.00	10'	13'	50'		1'				1		1									869.6	
-L-	261+85.00	263+60.00	RT	175.00			262+35.00	262+50.00	10'	13'	50'		1'				1		1									665.4	
-L-	264+90.00	268+46.25	RT	356.25			264+50.00	268+00.00	10'	13'	50'		1'				1		1										
-L-	263+50.00	267+50.00	LT	400.00			267+00.00	264+00.00	8'	11'	50'		1'				1		1									389.3	
-L-	271+00.00	272+31.25	RT	131.25			271+72.00		10'	13'	50'		1'				1		1									102.3	
-L-	283+08.00	294+33.00	RT	1,125.00			283+50.00	294+00.00	10'	13'	50'		1'				1		1							88	1125.8	USE EXTRA DEPTH POSTS: 286+50 TO 292+00 550' @ 6'-3" SPACING
SUB-TOTALS				12,943.75	243.75										6		18		17	2	2					234	13,950.70	
LESS ANCHOR DEDUCTIONS																												
TYPE III MODIFIED		6 @ 18.75 ft		112.50																								
TYPE TL-3		18 @ 50 ft		900.00																								
CAT-1		17 @ 6.25 ft		106.25																								
AT-1		2 @ 6.25 ft			12.50																							
TYPE III SC		2 @ 18.75 ft			37.50																							
ANCHOR TOTALS				1,118.75	50.00																							
GRAND-TOTALS				11,825.00	193.75										6		18		17	2	2					234	13,950.70	
SAY				**11,850**	**200**										**6**		**18**		**17**	**2**	**2**					**240**	**13,955**	
ADDITIONAL GUARDRAIL POST = 10 EA																												

TEMPORARY GUARDRAIL SUMMARY

-L-	24+84.50	25+90.75	LT	106.25														2										TEMPORARY END UNITS
SUB-TOTALS				106.25														2										
LESS ANCHOR DEDUCTIONS																												
TYPE TL-2		2 @ 25 ft		50.00																								
ANCHOR TOTALS				50.00																								
GRAND-TOTALS				56.25														2										
SAY				**62.5**														**2**										