

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS



"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 TL-3
 NG = NON-GATING IMPACT ATTENUATOR TYPE TL-3

GUARDRAIL SUMMARY

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOULDER WIDTH	FLARE LENGTH		W		ANCHORS				IMPACT ATTENUATOR TYPE TL-3			TERMINAL SECTIONS	REMOVE EXISTING GUARDRAIL	REMOVE AND RESET EXISTING GUARDRAIL	REMARKS	
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	CAT-1	B-77	TEMP CAT-1	TEMP GREU TL-3	EA	G	NG					
-L-	13+70.56	21+33.06	LT	762.50'			21+33.06		12'	15'				1	1								750'			
-L-	14+29.30	21+48.05	RT	718.75'					12'	15'	50'		1'											740'		TIE TO EXIST GUARDRAIL
-L-	14+31.33	21+37.58	RT (MED)	706.25'					6'	9'	50'		1'											729'		TIE TO EXIST GUARDRAIL
-L-	15+51.08	21+26.08	LT (MED)	575.00'			21+26.08		6'	9'	125'	25'	2'-6"											575'		TIE TO EXIST GUARDRAIL
-L-	22+97.86	28+91.61	RT (MED)	593.75'			22+97.86		6'	9'			1'											613'		TIE TO EXIST GUARDRAIL
-L-	23+06.42	27+68.92	LT (MED)	462.50'				23+06.42	6'	9'			125'											463'		TIE TO EXIST GUARDRAIL
-L-	23+08.34	25+64.59	RT	256.25'			23+08.34		12'	15'			25'											275'		TIE TO EXIST GUARDRAIL
			SUBTOTAL	4075.00'																						
			LESS ANCHOR DEDUCTIONS																							
			CAT-1	1 @ 6.25'	=	6.25'																				
			B-77	5 @ 22.875'	=	114.375'																				
			TOTAL	3954.375'																					4138'	
			SAY	3975.00'																						
-LDET-	10+00.00	10+06.25	LT	6.25'			10+00.00		6'-9"	9'-9"																
-LDET-	11+24.98	11+74.98	LT	50.00'				11+24.98	VARIES	VARIES	50'		1'													
-LDET-	15+40.26	15+90.26	RT	50.00'				15+90.26	VARIES	VARIES	50'		1'													
-LDET-	18+70.31	21+45.31	RT																					275.00'		
-LDET-	21+45.31	21+51.56	RT	6.25'				21+45.31	4'	8'																
-LDET-	23+29.75	23+36.00	LT	6.25'			23+36.00		6'-3"	9'-3"																
-LDET-	23+95.86	24+45.86	LT	50.00'				24+45.86	VARIES	VARIES	50'		1'													
			SUBTOTAL	168.75'																						
			LESS ANCHOR DEDUCTIONS																							
			TEMP CAT-1	3 @ 6.25'	=	18.75'																				
			TEMP GREU TL-3	3 @ 50.00'	=	150.00'																				
			TOTAL	0																						
			TOTAL																						275.00'	

ADDITIONAL GUARDRAIL POSTS = 10 EA

SUMMARY OF SHOULDER BERM GUTTER			
LINE	STATION TO STATION	LOCATION	LENGTH (LF)
-L-	14+28.28 TO 14+38.38	LT	10.10
-LDET-	10+00.00 TO 16+86.00	LT	683.94
-L-	14+28.00 TO 14+42.00	RT	14
-L-	16+18.00 TO 16+46.00	RT	28
-L-	17+64.00 TO 21+22.47	RT	358.47
-L-	23+32.75 TO 25+67.00	RT	234.25
TOTAL			1328.76
SAY			1330