

STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS

# 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.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOULDER WIDTH	FLARE LENGTH		W		ANCHORS						IMPACT ATTENUATOR TYPE 350 NO. G NG	REMOVE EXISTING GUARDRAIL	REMARKS					
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	GREU TL-3	CAT-1	B-77													
-174EBL-	48+71.00	50+57.00		185.375										1		1									185			
-174EBL-	49+02.00	50+57.00		160.375										1		1									157			
-174EBL-	52+44.00	56+27.00		383.250												2									377			
-174EBL-	54+81.00	56+43		160.375										1		1									158			
-174EBL-	57+53.00	62+77.00		529.125			MATCH EXISTING								1	1	1								520			
-174EBL-	160+06.00	169+20.00		910.375										1		1									908			
-174EBL-	167+62.00	169+20.00		172.875										1		1									164			
-174EBL-	171+72.00	179+52.00		779.125											1	1	1								777			
				3,280.875										5	2	9										3,246		
-174WBL-	48+90.00	50+50.00		166.625												1	1									162		
-174WBL-	52+37.00	56+75.00		420.750												2	2									419		
-174WBL-	52+37.00	53+86.00		160.375										1		1										151		
-174WBL-	57+85.00	59+83.00		160.375										1	1	1										159		
-174WBL-	57+99.00	63+58.00		572.875			MATCH EXISTING									1	1									561		
-174WBL-	160+93.00	170+79.00		1004.125												1	1									994		
-174WBL-	173+33.00	181+58.00		835.375										1		1										827		
-174WBL-	173+33.00	174+33.00		110.375										1		1										105		
				3,430.875										5	2	9											3,378	
-Y1-	126+07.00	128+80.00		272.875										1		1											265	
-Y1-	126+29.00	129+90.00		297.875										1		1											375	
-Y1-	133+80.00	137+84.00		410.375			MATCH EXISTING							1		1											405	
-Y1-	135+06.00	138+28.00		322.875										1		1											320	
				1,304.000										4		4											1,365	
LESS DEDUCTIONS FOR ANCHORS																												
			GREU TL-3 (14@50)=-	-700.000																								
			CAT-1 (4@6.25)=-	-25.000																								
			B-77 (22@22.875)=-	-503.25																								
			PROJECT TOTAL	6,787.5										14	4	22											7,989	
			SAY	6,787.5																								

ADDITIONAL GUARDRAIL POSTS = 15 EA.

## ASPHALT WEDGING SUMMARY

LINE	STATION TO STATION	Pavement Layers/Type	Full Wedge Depth (N)	S9.5C TONS	I19.0C TONS
EBLWBL	70+51.28 70+96.28	1 Lift of 1.5" S9.5C	1.50	1.33	0.00
EBLWBL	70+96.28 71+41.28	2 Lifts of 1.5" S9.5C	3.00	4.11	0.00
EBLWBL	71+41.28 71+86.28	1 Lift of 1.5" S9.5C	1.50	3.35	0.00
EBLWBL	71+86.28 72+31.28	2 Lifts of 1.5" S9.5C	3.00	1.73	0.00
EBLWBL	72+31.28 75+00.00	1 Lift of 1.5" S9.5C	1.50	2.10	0.00
EBLWBL	75+00.00 80+00.00	1 Lift of 1.65" S9.5C	1.65	9.15	0.00
EBLWBL	80+00.00 84+31.11	1 Lift of 1.8" S9.5C	1.80	28.75	0.00
EBLWBL	84+31.11 84+76.11	1 Lift of 1.5" S9.5C	1.50	24.03	0.00
EBLWBL	84+76.11 85+21.11	1 Lift of 1.5" S9.5C	1.50	0.60	0.00
EBLWBL	85+21.11 85+66.11	1 Lift of 1.5" S9.5C + 1 Lift of 2.5" I19.0C	4.00	3.75	1.52
EBLWBL	85+66.11 86+11.11	2 Lifts of 1.5" S9.5C	3.00	5.93	1.52
EBLWBL	86+11.11 86+56.11	1 Lift of 1.5" S9.5C	1.50	4.76	0.00
				2.50	
EBLWBL	159+93.15 160+38.15	1 Lift of 1.5" S9.5C + 1 Lift of 2.5" I19.0C	4.00	2.62	0.54
EBLWBL	160+38.15 165+00.00	1 Lift of 1.5" S9.5C + 1 Lift of 2.6" I19.0C	4.10	5.20	1.96
EBLWBL	165+00.00 173+53.02	2 Lifts of 1.5" S9.5C	3.00	88.06	14.82
EBLWBL	173+53.02 173+98.02	1 Lift of 1.5" S9.5C + 1 Lift of 2.84" I19.0C	4.34	261.15	95.30
EBLWBL	173+98.02 174+43.02	1 Lift of 1.5" S9.5C + 1 Lift of 2.5" I19.0C	4.00	15.64	9.12
				6.85	
		TOTALS =		480	130

EXISTING CROSS-SECTIONS WERE DEVELOPED FOR WEDGING QUANTITIES FROM LIDAR ONLY AND ARE PROVIDED FOR INFORMATIONAL BIDDING PURPOSES ONLY. FINAL QUANTITIES MAY VARY.