RD187117

COMPUTED BY: _____ DATE: _____

CHECKED BY: RAS DATE: 11-30-01

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
GUARDRAIL SUMMARY

METRIC

PROJECT REFERENCE NO.	SHEET NO.
R-2610 B	3-A

"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

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			W-TR SECTION	508 mm TUBULAR TRIPLE CORR (M)	TRIPLE CORR STL BM GIR (M)	REMARKS SEE SHEET 3-K FOR SUMMARY OF REMOVAL OF EXISTING GUARDRAIL
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	CAT-I	AT-I	III	GRAU-350				M-350		EA	G	NG	EA			
-L-	21+53.654	22+29.854	OUT NBL	64.694			BRIDGE		3.600	4.600	49.454		0.494					1									1	72.890	3.798	RETROFIT NBL BRIDGE OVER BEAR CREEK
-L-	22+91.990	23+07.306	OUT NBL	3.810				N A	3.100	4.100					1												1		1.334	RETROFIT NBL BRIDGE OVER BEAR CREEK
-L-	69+02.500	70+51.090	OUT NBL	148.590			FILL 69+40	FILL 70+40	3.600	4.600					1			1												
-L-	96+05.002	96+69.772	OUT NBL	53.264			BRIDGE		2.647	3.647	38.024		0.760					1									1	48.260	3.798	RETROFIT NBL BRIDGE OVER TICK CREEK
-L-	97+05.985	98+01.235	OUT NBL	83.744				FILL 98+00	3.500	4.500		83.744		1.675	1												1		1.334	RETROFIT NBL BRIDGE OVER TICK CREEK
-L-	114+02.500	116+00.620	OUT NBL	198.120			FILL 114+40	FILL 116+00	3.600	4.600					1			1												
-L-	120+62.500	123+29.200	OUT NBL	266.700			FILL 121+00	FILL 123+20	3.600	4.600					1			1												
-L-	21+86.079	22+43.229	MED NBL	45.644			BRIDGE		3.100		34.214		2.281									1					1	72.890	3.798	RETROFIT NBL BRIDGE OVER BEAR CREEK
-L-	21+93.399	22+46.739	MED SBL	53.340					1.200								1					1								
-L-	23+05.394	23+66.354	MED NBL	49.454					3.100													1					1		1.334	RETROFIT NBL BRIDGE OVER BEAR CREEK
-L-	23+15.585	23+72.735	MED SBL	57.150			BRIDGE		1.200		40.189		2.679				1					1								
-L-	23+20.621	23+96.821	OUT SBL	76.200			BRIDGE		3.500	4.500	55.429		1.109				1	1												
-L-	40+96.520	43+17.500	OUT SBL	220.980			FILL 42+80	FILL 41+00	3.600	4.600					1			1												
-L-	43+76.736	45+51.996	OUT SBL	152.661	22.599		FILL 45+40	FILL 43+80	3.600	4.600					1	1														
-L-	54+00.000	57+58.140	OUT SBL	358.140			FILL 57+20	FILL 54+00	3.600	4.600					1			1												
-L-	63+00.000	64+60.020	OUT SBL	160.020			FILL 64+20	FILL 63+00	3.600	4.600					1			1												
-L-	69+20.000	70+99.070	OUT SBL	179.070			FILL 70+60	FILL 69+20	3.600	4.600					1			1												
-L-	79+20.000	80+00.010	OUT SBL	80.010			FILL 79+60	FILL 79+20	3.600	4.600					1			1												
-L-	104+80.000	106+20.970	OUT SBL	140.970			FILL 105+80	FILL 104+80	3.600	4.600					1			1												
-L-	114+20.000	115+99.070	OUT SBL	179.070			FILL 115+60	FILL 114+20	3.600	4.600					1			1												
-L-	120+20.000	123+20.990	OUT SBL	300.990			FILL 122+80	FILL 120+20	3.600	4.600					1			1												
-L-	97+24.851	98+01.051	OUT SBL	76.200					3.500	4.500	55.429		1.109				1	1												
-L-	96+17.694	96+74.844	MED NBL	45.644			BRIDGE		1.887		34.214		2.281									1					1	48.260	3.798	RETROFIT NBL BRIDGE OVER TICK CREEK
-L-	96+22.332	96+75.672.	MED SBL	53.340					1.200													1								
-L-	97+11.056	97+68.206	MED NBL	45.644					1.887													1					1		1.334	RETROFIT NBL BRIDGE OVER TICK CREEK
-L-	97+19.815	97+76.965	MED SBL	57.150					1.200		40.189		2.679				1					1								
		PROJECT SUBTOTAL:		3150.599	22.599										14	1	5	15				8					8	242.300	20.528	
		LESS ANCHOR		377.190																										
		PROJECT TOTAL:		2773.409	22.599																									
			SAY:	2781.300	22.86																									

ANCHOR DEDUCTIONS

AT-1	1 x 1.905=	1.905
CAT-I	14 X 1.905 =	26.670
TYPE III	5 X 5.715 =	28.575
GRAU 350	15 X 15.240 =	228.600
M-350	8 X 11.430 =	91.440
TOTAL:		377.190

ADDITIONAL G/R POSTS = 10 EA