COMPUTED BY: J. JOHNSON DATE: 10/2004
CHECKED BY: M. HUSSEY DATE: 12/06/04

"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

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
R-4408	3-A

GUARDRAIL SUMMARY

SURVEY LINE	M.P.	M.P.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOULDER WIDTH	FLARE LENGTH		W		ANCHORS									IMPACT ATTENUATOR TYPE 350				SHOULDER BERM GUTTER	REMOVE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	TYPE GRAU-350	TYPE III	TYPE CAT-1	TYPE B-77						NO.	PERMITTED G	PERMITTED NG				
-L-	26.73+/-	25.66+/-	LT.																										5650.00	REMOVE EXISTING GUARDRAIL & ANCHOR
-L-	25.60+/-	25.54+/-	LT.																										300.00	REMOVE EXISTING GUARDRAIL & ANCHOR
-L-	26.87+/-	25.66+/-	LT.	6388.80											1	1												6.75'		
-L-	25.60+/-	25.55+/-	LT.	250.00											1	1												6.75'		
-L-	25.30+/-	25.13+/-	LT.																										900.00	REMOVE EXISTING GUARDRAIL & ANCHOR
-L-	25.30+/-	25.13+/-	LT.	900.00												1	1											6.75'		SR 1679
-L-	25.11+/-	24.95+/-	LT.																										800.00	REMOVE EXISTING GUARDRAIL & ANCHOR
-L-	25.11+/-	25.06+/-	LT.	250.00												1	1											6.75'		SR 1679
-L-	24.99+/-	24.95+/-	LT.	187.50												1	1											6.75'		SR 1674
-L-	24.92+/-	24.50+/-	LT.																										2200.00	REMOVE EXISTING GUARDRAIL & ANCHOR
-L-	24.92+/-	24.50+/-	LT.	2200.00												1												6.75'		TIE TO EXISTING GUARDRAIL
-L-	24.38+/-	24.31+/-	LT.	350.00																										
-L-	24.38+/-	24.34+/-	LT.	187.50												1	1	1												
-L-	24.35+/-	24.31+/-	LT.	250.00											1			1												
-L-	23.97+/-	23.85+/-	LT.																										620.00	REMOVE EXISTING GUARDRAIL & ANCHOR
-L-	23.97+/-	23.85+/-	LT.	620.00												1	1											6.75'		
-L-	23.78+/-	23.74+/-	LT.																										210.00	REMOVE EXISTING GUARDRAIL & ANCHOR
-L-	23.67+/-	23.58+/-	LT.																										480.00	REMOVE EXISTING GUARDRAIL & ANCHOR
-L-	23.78+/-	23.67+/-	LT.	1080.00											1	1												6.75'		
-L-	23.39+/-	23.35+/-	LT.																										200.00	REMOVE EXISTING GUARDRAIL & ANCHOR
-L-	23.39+/-	23.34+/-	LT.	250.00											1	1												6.75'		
-L-	23.03+/-	22.68+/-	LT.																										1830.00	REMOVE EXISTING GUARDRAIL & ANCHOR
-L-	23.03+/-	22.68+/-	LT.	1830.00											1		1													
-L-	22.41+/-	22.29+/-	LT.																										670.00	REMOVE EXISTING GUARDRAIL & ANCHOR
-L-	22.41+/-	22.29+/-	LT.	670.00											1		1													
-L-	22.08+/-	22.05+/-	LT.																										200.00	REMOVE EXISTING GUARDRAIL & ANCHOR
-L-	22.08+/-	22.05+/-	LT.	200.00											1		1													
-L-	21.76+/-	21.62+/-	LT.																										700.00	REMOVE EXISTING GUARDRAIL & ANCHOR
-L-	21.76+/-	21.62+/-	LT.	700.00											1		1													
-L-	21.44+/-	21.39+/-	LT.																										250.00	REMOVE EXISTING GUARDRAIL & ANCHOR
-L-	21.44+/-	21.39+/-	LT.	250.00												1	1											6.75'		
-L-	21.36+/-	21.31+/-	LT.																										230.00	REMOVE EXISTING GUARDRAIL & ANCHOR
-L-	21.36+/-	21.31+/-	LT.	250.00											1	1												6.75'		
-L-	21.07+/-	21.05+/-	LT.																										100.00	REMOVE EXISTING GUARDRAIL & ANCHOR
-L-	21.04+/-	20.97+/-	LT.																										260.00	REMOVE EXISTING GUARDRAIL & ANCHOR
-L-	21.12+/-	20.97+/-	LT.	770.00											1		1													
-L-	20.70+/-	20.66+/-	LT.	187.50													1	1												
-L-	20.66+/-	20.61+/-	LT.	250.00											1			1												
-L-	20.33+/-	20.31+/-	LT.																										110.00	REMOVE EXISTING GUARDRAIL & ANCHOR
-L-	20.35+/-	20.31+/-	LT.	187.50												1	1											6.75'		
-L-	20.26+/-	20.24+/-	LT.																										130.00	REMOVE EXISTING GUARDRAIL & ANCHOR
-L-	20.19+/-	20.07+/-	LT.																										630.00	REMOVE EXISTING GUARDRAIL & ANCHOR
-L-	20.05+/-	20.00+/-	LT.																										250.00	REMOVE EXISTING GUARDRAIL & ANCHOR
-L-	20.26+/-	20.00+/-	LT.	1350.00											1	1												6.75'		
-L-	19.83+/-	19.77+/-	LT.																										320.00	REMOVE EXISTING GUARDRAIL & ANCHOR
-L-	19.72+/-	19.39+/-	LT.																										1780.00	REMOVE EXISTING GUARDRAIL & ANCHOR
-L-	19.83+/-	19.39+/-	LT.	2350.00													1													TIE TO EXISTING GUARDRAIL
		SUBTOTAL		21,908.80											13	14	14	4										87.75	18,820	

6/16/95

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