COMPUTED BY: L. McCRORY DATE: JANUARY 2005
CHECKED BY: SCL DATE: 02/01/05

"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

METRIC

PROJECT REFERENCE NO.	SHEET NO.
R-2552AA	3-M

GUARDRAIL SUMMARY

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH STRAIGHT	LENGTH SHOP CURVED	LENGTH TEMPORARY	WARRANT POINT APPROACH END	WARRANT POINT TRAILING END	"N" DIST. FROM E.O.L.	TOTAL SHOUL. WIDTH	FLARE LENGTH APPROACH END	FLARE LENGTH TRAILING END	W APPROACH END	W TRAILING END	ANCHORS GRAU 350	CAT-1	M-350	AT-1	TYPE III	B-77	TES			IMPACT ATTENUATOR TYPE 350 NO.	PERMITTED G	PERMITTED NG	SINGLE FACED CONCRETE BARRIERS	REMOVE AND STOCKPILE EXISTING GUARDRAIL		REMARKS
-YREV-/-Y2-	10+23.000	10+94.817	LT/RT	40.578	23.773		10+94.817		1.0	2.8	34.863		0.697					1	1											
-Y2-	10+70.073	10+91.028	LT	20.955				10+91.028	1.0	2.8		15.240		0.300	1				1											
-Y2-	12+06.533	12+40.823	LT	34.290			12+06.533		1.0	2.8	28.575		0.572		1				1											
-Y2-	12+10.323	12+31.278	RT	20.955				12+10.323	1.0	2.8		15.240		0.300	1				1											
-Y4-	13+43.408	14+04.368	RT	60.960			14+04.368		1.0	3.4	55.245		1.105		1				1											
-Y4-	13+77.698	14+04.368	LT	26.670				14+04.368	1.0	3.4		20.955		0.419	1				1											
-Y4-	14+90.474	15+51.434	LT	60.960			14+90.474		1.0	3.4	55.245		1.105		1				1											
-Y4-	14+90.474	15+17.144	RT	26.670				14+90.474	1.0	3.4		20.955		0.419	1				1											
-Y2B-	14+90.000	16+50.020	RT	160.020			15+20.000	16+20.000	1.8	2.8	15.240	15.240	0.300	0.300	2															
-Y2B-	15+10.000	16+50.970	LT	140.970			16+20.000	15+40.000	1.8	2.8	15.240	15.240	0.300	0.300	2															
-FLYLWREV-	20+55.000		RT	7.620																	2									BARRICADE ON NEW BETHEL RD. @ TURNAROUND
-FLYLEREV-	11+94.000		LT	7.620																	2									BARRICADE ON NEW BETHEL RD. @ TURNAROUND
-L-	21+97.000		LT	7.620																	2									BARRICADE ON NEW BETHEL RD. @ TURNAROUND
-I1Y1-	18+89.682	19+62.072	MED LT			72.390																								ENDS TO BE PROTECTED BY TRUCK MOUNTED IMPACT ATTENUATORS - SEE TRAFFIC CONTROL PLANS
-I1Y1-	18+89.682	19+62.072	MED RT			72.390																								
-I1Y1-	27+08.943	28+72.773	MED LT			163.830																								
-I1Y1-	27+08.943	28+72.773	MED RT			163.830																								
ESTIMATE FOR SIGN SUPPORTS ON I-40 & US70 OUTSIDE PROJECT LIMITS				500.000											23	3														
SHEET TOTAL				1115.888	23.773	472.440									34	3	0	1	8	0	6			0			0	0		
SUBTOTAL				4,674.618	23.773	472.440									54	22	2	1	21	10	6			7	X	X	256.460	122.340		
		DEDUCTION FOR ANCHOR UNITS																												
		54 GRAU-350 @ 15.240		-822.960																										
		22 CAT-1 @ 1.905		-41.910																										
		2 M-350 @ 11.430		-22.860																										
		1 AT-1 @ 1.905			-1.905																									
		21 TYPE III @ 5.715		-120.015																										
		10 B-77 @ 5.715		-57.150																										
		TOTAL R-2552AA:		3,609.723	21.868	472.440									54	22	2	1	21	10	6			7	X	X	256.460	122.340		
		SAY R-2552AA:		3,611.880	21.868	472.440																					260	125		
		ADDITIONAL GUARDRAIL POSTS R-2552AA = 10 EA																												
		TOTAL R-2552AB:		2,056.613											15	12	2	0	7	0	0			0			0	0		
		SAY R-2552AB:		2,057.400																										
		ADDITIONAL GUARDRAIL POSTS R-2552AB = 10 EA																												
		GRAND TOTAL:		5,666.336											69	34	4	1	28	10	6			7	X	X	256.460	122.340		
		GRAND SAY:		5,669.280																							260	125		
		GRAND TOTAL ADDITIONAL GUARDRAIL POSTS = 20 EA																												

10/26/98
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