6/16/99

COMPUTED BY: MRB DATE: 08-26-02
CHECKED BY: J. RECK DATE: 08-26-02

"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

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PROJECT REFERENCE NO.	SHEET NO.
B-3450	3-C

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 350			SINGLE FACED CONCRETE BARRIERS	REMOVE EXISTING GUARDRAIL	REMOVE AND STOCKPILE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	GRAU 350	M-350	III	VI MOD	XI	XI MOD	XIII	AT-1	BIC	EA	G	NG				
-L-	13+00.00	13+75.00	LT	75				13+00.00	9'-12'	12'-15'		50'		1'	1		1												
-L-	11+75.00	13+75.00	RT	200			11+75.00		9'-13'	12'-16'	50'		1'		1		1												
-L-	14+87.00	15+88.00	LT	75	50		15+88.00		9'-12'	12'-15'	6.25'		4'				1					1							
-L-	14+87.00	15+74.50	RT	87.5				15+74.50	9'-12'	12'-15'		50'		1'	1		1												
-L-	20+88.70	21+76.20	LT	87.5				20+88.70	9'-12'	12'-15'		50'		1'	1		1												
-L-	19+86.78	21+86.78	RT	200			19+86.78		9'-13'	12'-16'	50'		1'		1		1												
-L-	22+86.09	24+86.09	LT	200			24+86.09		9'-13'	12'-16'	50'		1'		1		1												
-L-	22+96.67	23+84.17	RT	87.5				23+84.17	9'-11'	12'-14'		50'		1'	1		1												
-DET2-	2+74.50	3+49.50	LT	75				2+74.50	8'	10'		50'		1'	1		1												
-DET2-	4+19.38	5+94.38	LT	175			5+94.38		8'	10'	50'		1'		1		1												
-DET1-	2+72.50	5+85.00	RT	312.5			2+72.50	5+85.00	8'	10'	50'	50'	1'	1'	2														
-DET1-	3+52.50	5+40.00	LT	187.5			5+40.00	3+52.50	8'	10'	50'	50'	1'	1'	2														
SUBTOTAL				1012.5	50																								
LESS ANCHOR DEDUCTIONS																													
GRAU-350 (7 @ 50')				-350																									
TYPE III (8 @ 18.75')				-150																									
AT-1 (1 @ 6.25')					-6.25																								
TOTAL				512.5	43.75....SAY 50										7		8					1							
ADDITIONAL GUARDRAIL POSTS....5 EACH																													
SUBTOTAL (TEMPORARY)				750																									
LESS ANCHOR DEDUCTIONS																													
GRAU-350 (6 @ 50')				-300																									
TYPE III (2 @ 18.75')				-37.5																									
TEMPORARY TOTAL				412.5											6		2												

$$$$$SYSTIME$$$$$
$$$$$ENGLISH$$$$$