

COMPUTED BY: BWJ DATE: 6/10/04  
 CHECKED BY: WAD DATE: 7/6/04

PROJECT REFERENCE NO. B-3376 SHEET NO. 3-B

STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS  
 SUMMARY OF QUANTITIES

**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.

SURVEY LINE	BEGIN STATION	END STATION	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOUL. WIDTH	FLARE LENGTH		W		ANCHORS		SINGLE FACED GUARDRAIL	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	TYPE III	GRAU 350						
-L-	12+22.766	12+70.391	LT	47.625			12+70.391		1.2	3.4		15.24		3.25	1	1				BRIDGE WARRANT		
-L-	12+45.416	12+70.181	RT	24.765				12+70.181	2.2	3.4	15.24		.45		1	1				BRIDGE WARRANT		
-L-	13+09.734	13+64.979	LT	55.245				13+09.734	1.2	3.4	49.1		2.69		1	1				BRIDGE WARRANT		
-L-	13+09.661	13+34.426	RT	25.765			13+09.661		2.2	3.4		15.24		.82	1	1				BRIDGE WARRANT		
SUB-TOTAL				152.400																		
LESS DEDUCTIONS FOR ANCHOR UNITS, TYPE III 4 @ 5.715M =																						
GRAU 350 4 @ 15.24M =																						
TOTAL =				68.58																		
SAY				80.01M																		

ADDITIONAL GUARDRAIL POSTS = 5 EA

**TEMPORARY GUARDRAIL SUMMARY**

SURVEY LINE	BEGIN STATION	END STATION	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOUL. WIDTH	FLARE LENGTH		W		ANCHORS		SINGLE FACED GUARDRAIL	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	TYPE III	GRAU 350						
-DET-	11+92.735	12+17.500	LT	24.765				12+17.500	1.2	3.4		15.24		3		1	1			TEMPORARY GUARDRAIL		
-DET-	11+62.255	12+17.500	RT	55.245			12+17.500		1.2	3.4	48.375		.18		1	1				TEMPORARY GUARDRAIL		
-DET-	12+43.000	12+98.245	LT	55.245			12+43.000		1.2	3.4	148.855		.3		1	1				TEMPORARY GUARDRAIL		
-DET-	12+43.000	12+67.765	RT	24.765			12+43.000		1.2	3.4		15.24		.3		1	1			TEMPORARY GUARDRAIL		
SUB-TOTAL				160.020																		
LESS DEDUCTIONS FOR ANCHOR UNITS, GRAU 350 4 @ 15.24 =																						
TYPE III 4 @ 5.715 =																						
TOTAL =				76.200																		
SAY =				76.200 M																		

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