

COMPUTED BY: DNL DATE: 7-28-04
 CHECKED BY: DATE:

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

WBS ELEMENT SHEET # OF 18
 34540/R-3409D 3CR.20311J4
 39236 3CR.20821J4

"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

GUARDRAIL SUMMARY

SURVEY LINE	BEG. MP	END MP	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOULDER WIDTH	FLARE LENGTH		W		ANCHORS										IMPACT ATTENUATOR TYPE 350			SINGLE FACED GUARDRAIL	REMOVE EXISTING GUARDRAIL	REMARKS														
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	TYPE 350	M-350	CAT-1	VI	VI MOD	XI	XI MOD	XIII	AT-1	EA	G	NG																		
NO 41																																												
MAP 2	1.51	1.53	LT	150			1.52	1.52	6	9	50	50			2																													
	1.51	1.53	RT	150			1.52	1.52	6	9	50	50			2																													
	10.16	10.18	RT	150			10.17	10.17	6	9	50	50			2																													
MAP 3	0.77	0.79	LT	150			0.7	0.7	6	9	50	50			2																													
	0.77	0.79	RT	150			0.7	0.7	6	9	50	50			2																													
	1.28	1.30	LT	150			1.29	1.29	6	9	50	50			2																													
	1.28	1.30	RT	150			1.29	1.29	6	9	50	50			2																													
	3.36	3.38	RT	150			3.37	3.37	6	9	50	50			2																													
	3.36	3.38	RT	150			3.37	3.37	6	9	50	50			2																													
TOTAL				1350											18																													
LESS DEDUCTIONS:				900												DEDUCTIONS 18 TYPE 350 @ 50' = 900'																												
SUBTOTAL:				450													DEDUCTIONS TOTAL = 900'																											
ADDITIONAL GUARD RAIL POSTS EA.:				5																																								

MILLED RUMBLE STRIP SUMMARY

SURVEY LINE	BEG. MP	END MP	LOCATION	LENGTH	DESCRIPTION																																
NO 41																																					
MAP 2	2.92	3.13	LT	1125	16" MILLED RUMBLE STRIP																																
	2.92	3.13	RT	1125	16" MILLED RUMBLE STRIP																																
	2.92	3.13	CL	1125	16" MILLED RUMBLE STRIP																																
TOTAL				3375																																	

04-OCT-2004 15:15
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 H:\D24287