COMPUTED BY: T. ORTEGA DATE: 06/13/01
CHECKED BY: J. MOORE DATE: 07/18/01

"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-4029	3-A

CABLE GUIDERAIL SUMMARY

SURVEY LINE	BEGIN MILE POST	END MILE POST	LOCATION	GUIDERAIL PAY LIMITS LENGTH			ANCHORS							REMARKS
					DOUBLE FACED		EACH							
US 29	0.00 (+/-)	0.47 (+/-)	MED.		2,481.60		4							OVERHEAD SIGN ASSEMBLY
US 29	0.49 (+/-)	0.89 (+/-)	MED.		2,112.00		4							BUS 29
US 29	0.96 (+/-)	1.27 (+/-)	MED.		1,636.80		2							HAW RIVER
US 29	1.31 (+/-)	1.52 (+/-)	MED.		1,108.80		2							TROUBLESOME CREEK
US 29	1.55 (+/-)	2.91 (+/-)	MED.		7,180.80		8							SR 2600
US 29	2.98 (+/-)	4.68 (+/-)	MED.		8,976.00		10							NC 87
US 29	4.75 (+/-)	5.72 (+/-)	MED.		5,121.60		6							SR 2817
US 29	5.80 (+/-)	6.36 (+/-)	MED.		2,956.80		4							SR 2647
US 29	6.42 (+/-)	8.18 (+/-)	MED.		9,292.80		10							US 158
US 29	8.26 (+/-)	11.54 (+/-)	MED.		17,318.40		18							SR 2552
US 29	11.60 (+/-)	13.83 (+/-)	MED.		11,774.40		12							SR 2557
US 29	13.89 (+/-)	14.31 (+/-)	MED.		2,217.60		4							SOUTHERN RAILROAD /BUSINESS 29
US 29	14.42 (+/-)	15.04 (+/-)	MED.		3,273.60		4							SR 1929
US 29	15.11 (+/-)	15.86 (+/-)	MED.		3,960.00		4							SR 1925
US 29	15.93 (+/-)	16.70 (+/-)	MED.		4,065.60		6							SR 1767
US 29	16.75 (+/-)	18.72 (+/-)	MED.		10,401.60		12							SR 1343
US 29	19.78 (+/-)	20.33 (+/-)	MED.		2,904.00		4							SR 1341
US 29	20.45 (+/-)	22.19 (+/-)	MED.		9,187.20		10							SR 1345
US 29	22.33 (+/-)	22.94 (+/-)	MED.		3,220.80		4							NC 700
US 29	23.06 (+/-)	24.08 (+/-)	MED.		5,385.60		6							MEDIAN CROSS OVER
			SUB-TOTAL		114,576.00		134							
		ANCHOR DEDUCTIONS [(TERMINAL ANCHORS) 40 X 25']			-1,000.00									
			TOTAL		113,576.00									
			SAY		114,000'		134							

GUARDRAIL SUMMARY

SURVEY LINE	BEGIN MILE POST	END MILE POST	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOULDER WIDTH	FLARE LENGTH		W		ANCHORS									IMPACT ATTENUATOR TYPE 350			REMOVE EXISTING GUARDRAIL			REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	M-350									EA	G	NG				
US 29	0.91 (+/-)	0.94 (+/-)	MED.	362.5																				2	X	X	410			UNDERPASS TREATMENT AT BUS 29
US 29	1.27 (+/-)	1.31 (+/-)	MED.												2												80			REPLACE MEDIAN ANCHOR UNITS AT HAW RIVER
US 29	1.52 (+/-)	1.55 (+/-)	MED.												2												80			REPLACE MEDIAN ANCHOR UNITS AT TROUBLESOME CREEK
US 29	2.94 (+/-)	2.95 (+/-)	MED.	362.5																				2	X	X	450			SR 2600
US 29	4.64 (+/-)	4.68 (+/-)	MED.	362.5																				2	X	X	690			REIDSVILLE SOUTHERN LOOP
US 29	5.75 (+/-)	5.77 (+/-)	MED.	362.5																				2	X	X	430			US 87
US 29	6.38 (+/-)	6.40 (+/-)	MED.	362.5																				2	X	X	520			SR 2647
US 29	8.20 (+/-)	8.25 (+/-)	MED.	362.5																				2	X	X	520			US 158
US 29	11.55 (+/-)	11.59 (+/-)	MED.	362.5																				2	X	X	540			SR 2552
US 29	13.38 (+/-)	13.87 (+/-)	MED.	362.5																				2	X	X	520			SR 2557
US 29	14.33 (+/-)		MED.	187.5																				1	X	X	275			SOUTHERN RR
US 29	14.39 (+/-)		MED.	187.5																				1	X	X	275			BUS 29
US 29	15.05 (+/-)	15.08 (+/-)	MED.	362.5																				2	X	X	540			SR 1929
US 29	15.87 (+/-)	15.92 (+/-)	MED.	362.5																				2	X	X	530			SR 1925
US 29	16.71 (+/-)	16.75 (+/-)	MED.	362.5																				2	X	X	520			SR 1767
			TOTAL	4,000'											4									24			6,380'			

ADDITIONAL GUARDRAIL POSTS 10 EA

6/16/99
04-SEP-2001 11:36
R:\Proj\R4029\sum
Shkendji AT R1004S02B