6/16/99

COMPUTED BY: EAD DATE: 01-06-05
CHECKED BY: DWG DATE: 01-12-05

PROJECT REFERENCE NO.	SHEET NO.
R-4404	3-B

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

"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. STA.	END STA.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOULDER WIDTH	FLARE LENGTH		W		ANCHORS							CONCRETE BARRIER			WIRE ROPE SAFETY FENCE	REMOVE AND RESET EXISTING GRAU-350	REMOVE EXISTING CABLE GUIDERAIL	REMOVE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	CABLE GUIDERAIL	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPR END	TRAIL END	GRAU 350	CAT-1	AT-1	M-350	TYPE B-77	TYPE BP III	CABLE ANCHOR (WRSF)	T-XI	M-XII	A-XI					
SEGMENT B																													
US 158	BRIDGE OVER DEEP CREEK		LT	350'											2					2									
US 158	BRIDGE OVER DEEP CREEK		RT	237.5'	50'										1		1			2									
		SEGMENT B SUB-TOTAL		587.5'	50'										3		1			4									
		LESS DEDUCTIONS FOR ANCHOR UNITS																											
		GRAU-350 3 @ 50' =		-150'																									
		AT-1 1 @ 6.25' =			-6.25'																								
		TYPE BP III 4 @ 30' =		-120'																									
			TOTAL SEGMENT B	317.5'	43.75'										3		1			4									
SEGMENT C																													
US 158	BRIDGE OVER TAR RIVER		LT	250'											2					2									
US 158	BRIDGE OVER TAR RIVER		RT	250'											2					2									
US 158	US 158 & I-85 INTERCHANGE		LT & RT	350'											7														
US 158	BRIDGE OVER TABBS CREEK		LT	437.5'											2					2									
US 158	BRIDGE OVER TABBS CREEK		RT	437.5'											2					2									
		SEGMENT C SUB-TOTAL		1725'											15					8									
		LESS DEDUCTIONS FOR ANCHOR UNITS																											
		GRAU-350 15 @ 50' =		-750'																									
		TYPE BP III 8 @ 30' =		-240'																									
			TOTAL SEGMENT C	735'											15					8									
SEGMENT D																													
US 70	I-540	TRIANGLE DR	LT	400'											1	1												400'	
US 70	EBNEEZER RD	PINECREST RD	LT	1662.5'	50'										2	2	1											1662.5'	
US 70	REMBERT RD	MOREHEAD DRIVE	LT	1675'											2	2												1675'	
US 70	EBNEEZER RD	PINECREST RD	RT	612.5'											2	2												562.5'	
US 70	LYNN RD	DURLEIGH RD	RT	525'											1	1												525'	
US 70	FAIRHILL RD	CAPITAL BANK DRIVE	RT	1625'											4	4												1625'	
		SEGMENT D SUB-TOTAL		6500'	50'										12	12	1											6450'	
		LESS DEDUCTIONS FOR ANCHOR UNITS																											
		GRAU-350 12 @ 50' =		-600'																									
		CAT-1 12 @ 6.25' =		-75'																									
		AT-1 1 @ 6.25' =			-6.25'																								
			TOTAL SEGMENT D	5825'	43.75'										12	12	1											6450'	
SEGMENT E																													
	BRIDGE @ VANDORA SPRINGS RD		LT	175'											2					2								175'	
	BRIDGE @ VANDORA SPRINGS RD		RT	450'	50'										1	2	1			2								375'	
US 70	VANDORA SPRINGS RD	HWY 50	LT	125'											1				1				12'	25'					
US 70	VANDORA SPRINGS RD	HWY 50	RT	75'											1				1				12'	25'					
US 70	HWY 50	NEW RAND RD	LT	125'											1				1			25'	10'	25'					
US 70	HWY 50	NEW RAND RD	RT	75'											1				1			25'	10'	25'					
US 70	NEW RAND RD	AUBURN KNIGHTDALE RD	RT	662.5'											1	1												662.5'	
US 70	AUBURN KNIGHTDALE RD	GUY RD	LT	1050'	50'										1	2	1											1050'	
US 70	RAYNOR RD	GUY RD	RT	1175'											2	2												1175'	
		SEGMENT E SUB-TOTAL		3912.5'	100'										11	7	2		4	4		50'	44'	100'				3437.5'	
		LESS DEDUCTIONS FOR ANCHOR UNITS																											
		GRAU-350 11 @ 50' =		-550'																									
		CAT-1 7 @ 6.25' =		-43.75'																									
		AT-1 2 @ 6.25' =			-12.5'																								
		TYPE BP III 4 @ 30' =		-120'																									
		TYPE B-77 4 @ 18.75' =		-75'																									
			TOTAL SEGMENT E	3123.75'	87.5'										11	7	2		4	4		50'	44'	100'				3437.5'	

10-MAY-2005 08:44
R:\Roadway\Proj\r4404_rdy_sum.dgn
EAD\douglass AT RD223232