COMPUTED BY: CHB DATE: 5/27/04
CHECKED BY: _____ DATE: _____

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
GUARDRAIL SUMMARY

PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
37445, ETC.	6	8

"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 BEGIN

G = GATING IMPACT ATTENUATOR TYPE 350
NG = NON-GATING IMPACT ATTENUATOR TYPE 350

WLM1213

MILE POST	DESCRIPTION	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOUL WIDTH	FLARE LENGTH		W		ANCHORS								IMPACT ATTENUATOR TYPE 350		SINGLE FACED CONCRETE BARRIER	REMOVE EXISTING GUARDRAIL	REMOVE & STOCKPILE EXISTING GUARDRAIL	REMARKS
			STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	XI MOD	XI	GRAU 350	M-350	XIII	CAT-1	VI MOD	BIC	G	NG				
(NC45) 0.3	18" RCP HEADWALL	RT	137.5'					9'	12'							2											
		LT	137.5'					9'	12'							2											
0.5	SINGLE BARREL BOX CULVERT	RT	162.5'					7'	10'							2											
		LT	162.5'					7'	10'							2											
0.9	DOUBLE BARREL BOX CULVERT	RT	287.5'					5'	8'							2											
1.2	SINGLE BARREL BOX CULVERT	RT	237.5'					7'	10'							2											
		LT	262.5'					6'	9'							2											
2.5	SINGLE BARREL BOX CULVERT	RT	162.5'					7'	10'							2											
		LT	162.5'					7'	10'							2											
2.9	SINGLE BARREL BOX CULVERT	RT	187.5'					6'	9'							2											
		LT	125.0'					4'	7'							1											TIE TO EXISTING GUARDRAIL
3.1	18" RCP HEADWALL	RT	137.5'					7'	10'							2											
		LT	137.5'					7'	10'							2											
3.8	SINGLE BARREL BOX CULVERT	RT	187.5'					8'	11'							2											
		LT	125.0'					11'	14'							2											
5.4	SINGLE BARREL BOX CULVERT	RT	175.0'					10'	13'							2											
		LT	225.0'					8'	11'							2											
5.7	30" RCP HEADWALL	RT	225.0'					8'	11'							2											
6.3	SINGLE BARREL BOX CULVERT	RT	150.0'					11'	14'							2											
		LT	150.0'					11'	14'							2											
7.4	18" RCP HEADWALL	RT	175.0'					10'	13'							2											
		LT	262.5'					6'	9'							2											
8.4	24" RCP HEADWALL	RT	200.0'					9'	12'							2											
		LT	200.0'					9'	12'							2											
11.3	24" RCP HEADWALL	LT	262.5'					6'	9'							2											
12.2	SINGLE BARREL BOX CULVERT	RT	200.0'					9'	12'							2											
		LT	200.0'					9'	12'							2											
12.7	SINGLE BARREL BOX CULVERT	RT	275.0'					6'	9'							2											
		LT	275.0'					6'	9'							2											
13.2	36" RCP HEADWALL	LT	200.0'					9'	12'							2											
13.3	18" RCP HEADWALL	LT	287.5'					5'	8'							2											
13.7	18" RCP HEADWALL	RT	237.5'					7'	10'							2											
		LT	237.5'					7'	10'							2											
14.9	SINGLE BARREL BOX CULVERT	RT	287.5'					6'	9'							2											
		LT	262.5'					5'	8'							2											
TOTAL			7100.0'													69											
Deductions:	GRAU-350 - 69ea. x -50' =		-3450.0'																								
TOTAL			3650.0'																								

NOTE: GUARDRAIL SHALL BE INSTALLED PER NCDOT STANDARDS NO. 862.01 AND 862.02