

COMPUTED BY: Michael S. Tyndall DATE: 08-18-2004
 CHECKED BY: David H. Scheffel DATE: _

PROJECT NO. B-4134 SHEET NO. 3-A

**STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS**

SUMMARY OF EARTHWORK

**SUMMARY OF EXISTING ASPHALT
 PAVEMENT REMOVAL**

Station	Station	Uncl. Excav.	Embank. +%	Borrow	Waste
-L-					
10+00.00	12+00	360	182	2	180
12+00	13+75	45	445	445	45
14+71	18+50	129	946	946	129
SUBTOTALS:		534	1573	1393	354
EST. 5% FOR REPLACING TOPSOIL IN BORROW PIT				70	
WASTE IN LIEU OF BORROW					0
PROJECT TOTALS:		534	1573	1463	354
SAY:		550		1500	

LINE	Station	Station	LOC LT/RT/CL	SY
L	10+85	13+88	LT/RT	673
L	14+40	17+75	LT/RT	744
TOTAL:				1417
SAY:				1420

CONTINGENCY ITEMS:
 UNDERCUT / 200 CU. YDS
 FABRIC FOR SOIL STABILIZATION / 200 SQ. YDS.
 CLASS II OR CLASS III SELECT MATERIAL FOR SOIL FABRIC / 300 CU. YDS.

APPROXIMATE QUANTITIES ONLY:
 UNCLASSIFIED EXCAVATION, BORROW EXCAVATION, SHOULDER BORROW, FINE GRADING, CLEARING AND GRUBBING, AND REMOVAL OF EXISTING PAVEMENT WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR "GRADING" (SEE PROJECT SPECIAL PROVISIONS)

"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

LINE	BEG. STA.	END STA.	LOC.	LENGTH			WARRANT POINT		"N" DIST FROM E.O.L.	TOTAL SHLDR WIDTH	FLAIR LENGTH		W		ANCHORS						IMP. ATTN. TYPE 350			REMOVE EXISTING GRDRAIL	REMARKS			
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPR. END	TRAIL. END			APPR. END	TRAIL. END	APPR. END	TRAIL. END	TYPE III	XI	GRAU 350	M-350	XII	CAT-1	VI MOD	EA	G			NG		
L	11+46.39	13+71.39	RT	225			BRIDGE		5.0'	8.0'	50		1		1													
L	12+79.61	13+54.61	LT	75				BRIDGE	5.0'	8.0'					1													
L	14+91.39	15+66.39	RT	75				BRIDGE	5.0'	8.0'					1													
L	14+74.61	16+99.61	LT	225			BRIDGE		5.0'	8.0'	50		1		1													
SUBTOTAL				600																								
ANCHOR DEDUCTIONS				75																								
TOTAL				325											4		4											

ADDITIONAL GUARDRAIL POSTS = 5 EA