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 CHECKED BY: RWZ DATE: 3-10-05

PROJECT NO. B-3839 SHEET NO. 3-A

DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

ASPHALT PAVEMENT REMOVAL SUMMARY

LINE	STATION TO STATION	LOC LT/RT/CL	YD'
-L-	13+70 TO 16+80	CL	605.2
-L-	19+04 TO 19+47	CL	80
-L-	19+87 TO 21+40	CL	302.2
-L-	22+00 TO 24+00	RT	83.3
TOTAL:			1,070.7
SAY:			1,100

SUMMARY OF EARTHWORK (CUBIC YARDS)

LINE	Station	Station	Uncl. Excav.	Undercut Excav.	Embank. +%	Borrow	Waste
-L-	12+50	19+33	1,174		434		740
Bridge over Fishers Branch							
SUBTOTALS:			1,174		434		740
-L-	19+95	25+25	819		446		373
SUBTOTALS:			819		446		373
PROJECT TOTALS:			1,993		880		1,113
Est. 5% Reduction in Unclassified Exc. due to Clearing & Grubbing			-100			100	
Use Waste to Replace Borrow						-100	-100
GRAND TOTALS:			1,893		880		1,013
SAY:			2,100				1,100

NOTE: APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, FINE GRADING, CLEARING & GRUBBING, AND REMOVAL OF EXISTING ASPHALT PAVEMENT WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR "GRADING."

CONCRETE EXPRESSWAY GUTTER

LINE	STATION TO STATION	LOC LT/RT/CL	FT	
-L-	13+37	17+35	RT	398
-L-	13+50	14+42	LT	92
-L-	14+58	15+19	LT	61
-L-	15+35	16+21	LT	86
-L-	16+35	17+16	LT	81
-L-	17+31	18+08	LT	77
-L-	17+55	17+89	RT	34
TOTAL:			829	
SAY:			870	

-L- Pavement Structure Volume = 0 CY
 Estimated Undercut = 2,800 CY

"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	FLARE 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	CAT-1	III	GRAU 350	M-350	AT-1	EA	G	NG					
-L-	18+36.36	19+05.11	RT	68.75					9'	12'	50'		1'														
-L-	18+36.36	19+05.11	LT	68.75					9'	12'	50'		1'														
-L-	20+22.89	21+16.64	RT	93.75					9'	12'	50'		1'														
-L-	20+22.89	21+29.14	LT	106.25					9'	12'	50'		1'														
SUBTOTALS:				337.50																							
LESS ANCHOR DEDUCTIONS:																											
GRAU-350 4 @ 50'				200																							
TYPE III 4 @ 18.75'				75																							
ANCHOR TOTALS:				275																							
GRAND TOTALS:				62.50																							
SAY:				75																							
										ADDITIONAL GUARDRAIL POSTS = 5 EA																	