

COMPUTED BY: ITY DATE: 8-10-04
 CHECKED BY: JBT DATE: 9-2-04

PROJECT NO. SHEET NO.
 B-3875 3-B

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

Station to Station	CUBIC YARDS			
	Uncl. Exc. C.Y.	Embank. +% C.Y.	Borrow C.Y.	Waste C.Y.
SUMMARY NO. 1				
-L- 9+50 TO 16+90	129	7,040	6,911	
-L- 18+50 TO 21+75	1,561	1,223		338
SUMMARY NO. 1 TOTALS	1,690	8,263	6,911	338
Waste In Lieu of Borrow			-338	-338
Loss due to Clearing&Grubbing	-300		300	
Est 5% To Replace Topsoil at Borrow Pit			344	
PROJECT TOTALS	1,390	8,263	7,217	
SAY:	1,400		7,500	
ESTIMATED UNDERCUT= 450 C.Y.				

SUMMARY OF EXISTING ASPHALT REMOVAL

LINE	Station to Station	LOC LT/RT/C L	Asphalt Removal SQ. YDS.
L	12+00 TO 13+21	CL	242
L	19+89 TO 21+00	CL	222
PROJECT TOTAL			464
SAY			500

SUMMARY OF EXISTING ASPHALT BREAKUP

LINE	Station to Station	LOC LT/RT/CL	Asphalt Breakup SQ. YDS.
L	13+21 TO 17+20.86	CL	799.72
L	18+01.90 TO 19+89	CL	374.20
PROJECT TOTAL			1173.92
SAY:			1200

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

GUARDRAIL SUMMARY

"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.

NG = NON-GATING IMPACT ATTENUATOR TYPE 350

LINE	BEG. STA.	END STA.	LOC.	LENGTH (FT.)			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHLDR WIDTH	FLARE LENGTH		W		ANCHORS				IMP. ATTEN. TYPE 350			REMOVE EXISTING GUARDRAIL	REMARKS		
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPR. END	TRAIL. END			APPR. END	TRAIL. END	APPR. END	TRAIL. END	GRAU 350	TYPE III	EA	G	NG						
L	9+72.50	13+60	RT	387.5			12+00	13+50	8'	11'	50'	50'	1'	1'	2									TERMINATE G/R DUE TO ACCESS	
L	13+91	16+79	RT	287.5			16+79		8'	11'	268.75		6'		1	1								TERMINATE G/R DUE TO ACCESS	
L	14+16.50	16+79	LT	262.5				14+50	8'	11'		243.75'		5.875'	1	1								TERMINATE G/R DUE TO ACCESS	
L	18+61	19+98.50	RT	137.5				18+61	8'	11'		118.75'		3.375'	1	1									
L	18+61	21+61	LT	300			18+61		8'	11'	281.25'		6'		1	1									
SUBTOTALS				1375.00												6	4								TOTAL
DEDUCTION FOR ANCHOR UNITS																									
(6 GRAU@50')				-300																					
(4 TYPE III @18.75')				-75																					
PROJECT TOTALS				1000																					

ADDITIONAL GUARDRAIL POSTS= 5 EA