

RALC8W5W41

COMPUTED BY: D. W. BASS, PE DATE: 3/21/05
 CHECKED BY: S. A. DRUM, PE DATE: 3/21/05

PROJECT NO. B-3834 SHEET NO. 3-B

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

Station	Station	Uncl. Excav.	Embank. +%	Borrow	Waste
L Left 10+75.00	L Left 21+25.00	125	1,929	1,804	0
SUBTOTAL #1:		125	1,929	1,804	0
L Right 10+75.00	L Right 21.25.00	1,065	337	0	727
SUBTOTAL #2:		1,065	337	0	727
PROJECT TOTALS:		1,190	2,266	1,804	727
LOSS DUE TO C&G		-59			
SHOULDER CONSTRUCTION			429	429	
USE SUIT. WASTE TO REPLACE BORROW				-727	-727
EST. 5% TO REPLACE TOPSOIL ON BORROW PIT				75	
GRAND TOTAL:		1,131	2,695	1,581	0
SAY:		1,200		1,600	

DDE = 180 CY
 UNDERCUT = 250 CY
 PAVEMENT STRUCTURE = 358 CY

Approximate quantities only. Unclassified Excavation, Borrow Excavation, Shoulder Borrow, Fine Grading, Clearing and Grubbing, Breaking of Existing Pavement, and Removal of Existing Pavement will be paid for at the contract lump sum price for "Grading".

SUMMARY OF EXISTING ASPHALT PAVEMENT REMOVAL

LINE	Station	Station	LOC LT/RT/CL	YD ²
L	15+15	16+56	RT	431
L	16+86	19+00	RT	708
TOTAL:				1,139
SAY:				1,150

SUMMARY OF BREAKING EXISTING ASPHALT PAVEMENT

LINE	Station	Station	LOC LT/RT/CL	YD ²
L	16+00	17+50	CL	333
TOTAL:				333
SAY:				350

"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		XI MOD	XI	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			GRAU 350	M-350	AT-1	CAT-1	VI MOD	EA	G		
L	15+75	17+75	LT	200.00			16+57.00	16+38.00	8	11	1	4	50	37.5			1	1							
L	16+20.00	20+78.00	RT	437.50	54.25		16+67.00		4	7	4	1		50			1		1						
SUBTOTALS:				637.50	54.25												2	1	1						
				LESS 2 GRAU-350 @ 50' EACH																					
				LESS 1 AT-1 @ 6.25' EACH																					
				LESS 1 M-350 @ 37.5' EACH																					
PROJECT TOTALS:				500.00	48.00												2	1	1						
SAY:				525.00	50.00												2	1	1						

NOTE: 5 ADDITIONAL GUARDRAIL POST