

RD266404

COMPUTED BY: AJF DATE: 3/22/2016
 CHECKED BY: TFD DATE: 6/14/2016

PROJECT NO. B-2506 SHEET NO. 3B-1

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

CUBIC YARDS				
Station to Station	Uncl. Exc. C.Y.	Embank. +% C.Y.	Borrow C.Y.	Waste C.Y.
-L- 10+00.00 TO 17+98.81 (Begin Bridge)	12	3,160	3,148	
SUBTOTAL	12	3,160	3,148	
-L- 19+26.19 (End Bridge) TO 25+50.00	77	1,050	973	
SUBTOTAL	77	1,050	973	
TOTAL	89	4,210	4,121	
PROJECT TOTAL	89	4,210	4,121	
Est. 5% To Replace Topsoil at Borrow Pit			206	
GRAND TOTAL	89		4,327	
SAY	90		4,400	

ESTIMATED UNDERCUT = 650 CY
 ESTIMATED SHALLOW UNDERCUT = 250 CY
 ESTIMATED SELECT GRANULAR MATERIAL = 250 CY

SUMMARY OF ASPHALT PAVEMENT
 REMOVAL

Station to Station	LOC LT/RT/CL	Asphalt Removal SQ. YDS.
-L- 10+51.00 TO 18+20.00	RT	1253
-L- 19+00.00 TO 24+55.00	RT	971
PROJECT TOTAL		2,224
SAY		2,230

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

Note: Earthwork quantities are calculated by the Roadway Design Unit. These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.

GUARDRAIL SUMMARY

"N" = DISTANCE FROM EDGE OF TRAVEL 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

LINE	BEG. STA.	END STA.	LOC.	LENGTH (FT.)			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHLDR WIDTH	FLARE LENGTH		W		GRAU 350 TL-3	TYPE III	IMPACT ATTEN. TYPE 350			REMOVE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	WOOD RUB RAIL	APPR. END	TRAIL. END			APPR. END	TRAIL. END	APPR. END	TRAIL. END			EA	G	NG		
-L-	10+01.64	13+76.64	LT	375.00			12+14.14		3.0'	6.0'	50'	50'	1'	1'	2						RIGID OBSTACLE - INCREASED POSTS STD 862.01
-L-	17+17.56	17+98.81	LT	81.25				17+98.81	2.0'	6.0'		50'		1'	1	1					BRIDGE WARRANT
-L-	19+26.19	20+07.44	LT	81.25			19+26.19		2.0'	6.0'	50'		1'		1	1					BRIDGE WARRANT
-L-	17+17.56	17+98.81	RT	81.25				17+98.81	5.8'	8.8'	50'		1'		1	1					BRIDGE WARRANT
-L-	19+26.19	20+44.94	RT	118.75				19+26.19	5.8'	8.8'		50'		1'	1	1					BRIDGE WARRANT
-L-	22+12.50	25+50.00	LT	337.50			23+52.78		3.0'	6.0'	50'	50'	1'	1'	2						RIGID OBSTACLE - INCREASED POSTS STD 862.01
		SUB-TOTALS		1,075.00											8	4					
		DEDUCTION FOR ANCHOR UNITS																			
		(8 GRAU TL-3 @ 50')																			
		(4 TYPE III @ 18.75')																			
		PROJECT TOTAL		600.00											8	4					
		SAY		650.00																	

ADDITIONAL GUARDRAIL POSTS = 25 EA