

COMPUTED BY: NP DATE: 07/03/17
 CHECKED BY: SS DATE: 07/11/17

PROJECT NO. B-5362
 SHEET NO. 3B-1

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

GUARDRAIL SUMMARY																									
SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOULDER WIDTH	FLARE LENGTH		W		ANCHORS				IMPACT ATTENUATOR TYPE 350		SINGLE FACED CONCRETE BARRIER	REMOVE EXISTING GUARDRAIL	REMOVE & STOCKPILE EXISTING GUARDRAIL	REMARKS	
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	GREU TL-3	B-77	G	NG							
																			<small>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.</small>						
-L-	13+32.06	14+13.31	LT	81.25'				14+13.31	4.42	7.42		50		1.0'		1	1								
-L-	15+60.69	16+41.94	LT	81.25'				15+60.69	4.42	7.42		50		1.0'		1	1								
-L-	13+32.06	14+13.31	RT	81.25'				14+13.31	4.42	7.42		50		1.0'		1	1								
-L-	15+60.69	16+41.94	RT	81.25'				15+60.69	4.42	7.42		50		1.0'		1	1								
SUBTOTAL				325																					
LESS DEDUCTION FOR ANCHORS																									
GREU, TL-3 4 @ 50' =				-200'																					
B-77 4 @ 18.75' =				-75'																					
TOTAL				50'																					
SAY				50'																					
ADDITIONAL GUARDRAIL POSTS = 5 EACH																									

SHOULDER BERM GUTTER SUMMARY

LINE	Station	Station	LENGTH (LF)
-L- (LT)	13+82.06	13+99.44	17.38
-L- (RT)	13+82.06	13+99.44	17.38
TOTAL:			34.76
SAY:			35

SUMMARY OF EARTHWORK IN CUBIC YARDS

Station	Station	Uncl. Excav.	Embank. +%	Borrow	Waste
Summary No. 1					
-L- 12+95.00	-L- 14+13.31 (BB)	103	80		23
Summary No. 1 Total		103	80		23
Summary No. 2					
-L- 15+60.69 (EB)	-L- 17+30.00	69	198	129	
Summary No. 2 Total		69	198	129	
Summary Totals		172	278	129	23
WASTE IN LIEU OF BORROW				-23	-23
PROJECT TOTALS:		172	278	106	
EST 5% TO REPLACE TOP SOIL ON BORROW PIT				5	
GRAND TOTALS:		172	278	111	
SAY:		175		125	
UNDERCUT EXCAVATION = 200 CY					
SELECT GRANULAR MATERIAL = 200 CY					

PAVEMENT REMOVAL SUMMARY IN SQUARE YARDS

SURVEY LINE	Station	Station	LOCATION LT/RT/CL	ASPHALT REMOVAL	ASPHALT BREAKUP	CONCRETE REMOVAL	CONCRETE BREAKUP
-L-	12+95	14+46	LT&RT	326.11			
-L-	15+46	17+30	LT&RT	406.46			
TOTAL:				732.57			
SAY:				750			

Note: Approximate quantities only. Unclassified Excavation, Borrow Excavation, Fine Grading, Clearing and Grubbing, and Removal of Asphalt Pavement will be paid for at the contract 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.