

COMPUTED BY: SGM DATE: 4/4/2024
 CHECKED BY: JLT DATE: 7/19/2024

PROJECT NO. R-5921 SHEET NO. 3B-1

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK IN CUBIC YARDS

Station	Station	Uncl. Excav.	Embank. +%	Borrow	Waste
CROSSOVER (DET1 & DET2) @ -L- 43+61.21 TO 46+42.65		50	92	42	
CROSSOVER (DET3 & DET4) @ -L- 262+66.09 TO 266+26.49		39	273	234	
CROSSOVER (DET5 & DET6) @ -L- 282+27.21 TO 285+74.96		41	209	168	
SUBTOTAL 1		130	574	444	
-L- 10+87.57	-L- 40+00.00	1,080	11,470	10,390	
-Y- 10+00.00	-Y- 26+00.00	1,154	3,640	2,486	
SUBTOTAL 2		2,234	15,110	12,876	
-L- 40+00.00	-L- 70+00.00	2,908	1,712		1,196
SUBTOTAL 3		2,908	1,712		1,196
-L- 70+00.00	-L- 100+00.00	2,881	806		2,075
SUBTOTAL 4		2,881	806		2,075
-L- 100+00.00	-L- 130+00.00	3,136	1,489		1,647
SUBTOTAL 5		3,136	1,489		1,647
-L- 130+00.00	-L- 160+00.00	2,875	2,394		482
SUBTOTAL 6		2,875	2,394		482
-L- 160+00.00	-L- 189+50.00	6,194	1,390		4,804
SUBTOTAL 7		6,194	1,390		4,804
-L- 189+50.00	-L- 220+00.00	4,183	948		3,235
SUBTOTAL 8		4,183	948		3,235
-L- 220+00.00	-L- 235+50.00	2,078	1,490		588
SUBTOTAL 9		2,078	1,490		588
Existing Dual Bridge					
-L- 237+50.00	-L- 265+00.00	3,205	2,561		644
SUBTOTAL 10		3,205	2,561		644
-L- 265+00.00	-L- 294+33.00	3,096	1,795		1,301
SUBTOTAL 11		3,096	1,795		1,301
TOTALS:		32,920	30,269	13,320	15,972
MATERIAL FOR SHOULDER CONSTRUCTION					
LOSS DUE TO CLEARING & GRUBBING		-250	18,584	18,584	
WASTE IN LIEU OF BORROW				250	-15,972
PROJECT TOTALS:		32,670	48,853	16,182	0
EST. 5% TO REPLACE TOP SOIL ON BORROW PITS					
				809	
GRAND TOTALS:		32,670	48,853	16,991	
SAY:		32,700		17,000	

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

EST. DDE = 880 CUBIC YARDS
 EST. SHALLOW UNDERCUT = 1,000 CUBIC YARDS
 EST. SELECT GRANULAR MATERIAL = 1,050 CUBIC YARDS
 PER GEOTECH RECOMMENDATION, ESTIMATED 1,050 CUBIC YARDS OF UNDERCUT TO BE USED IN THE DISCRETION OF THE RESIDENT ENGINEER.

Note: Approximate quantities only. Unclassified Excavation, Borrow Excavation, 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.

PAVEMENT REMOVAL SUMMARY IN SQUARE YARDS

SURVEY LINE	Station	Station	LOC	ASPHALT REMOVAL	ASPHALT BREAKUP	CONCRETE REMOVAL	CONCRETE BREAKUP
-Y-	13+45	16+83	RT	875.42			
-Y-	17+54	24+62	RT	1,975.49			
-Y-	14+75	15+96	LT	223.66			
-Y-	16+45	17+28	LT	566.99			
-L-	10+96	11+91	RT	53.59			
-L-	Exist, US19 Off-Ramp			1,586.16			
-L-	Exist, US19 On-Ramp			388.14			
-L-	10+80	12+31	LT	485.08			
-L-	12+83	18+50	LT	997.08			
-L-	18+82	26+37	LT	1,404.37			
-L-	27+00	43+74	LT	1,824.87			
-L-	10+89	13+07	MED	367.82			
-L-	13+67	20+19	RT	845.16			
-L-	31+55	37+01	RT	125.61			
-L-	15+50		MED	12.82			
-L-	157+64	161+76	MED	500.16			
-L-	180+32	181+71	MED	262.74			
-L-	227+74	228+84	MED	216.27			
TEMPORARY PAVEMENT							
-Y-	17+06+/-		LT	89.38			
-L-	11+00	12+73	LT	255.26			
-L-	15+14	26+23	LT	681.48			
-L-	28+31	42+77	LT	597.58			
-L-	11+10	13+60	RT	301.01			
-L-	26+65		LT	74.58			
-DET1-				319.04			
-DET2-				243.45			
-DET3-				331.76			
-DET4-				279.21			
-DET5-				360.44			
-DET6-				289.15			
-Y-	11+88	17+75	RT		941.24		
-L-	18+50	25+50	LT		1,112.26		
-L-	15+50		MED		29.03		
TOTALS:				16,533.77	2,082.53		
SAY:				16,540	2,090		

SHOULDER BERM GUTTER SUMMARY IN LINEAR FEET

LINE	LOC	STATION	STATION	LENGTH
-L-	LT	27+20	34+05	685
TOTAL				685
SAY				690