

COMPUTED BY: Y DATE: 2/19/2015  
 CHECKED BY: KDA DATE: 2/19/2015

PROJECT NO. B-5136 SHEET NO. 3B-1

STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS

RD226

SUMMARY OF EARTHWORK

CUBIC YARDS					CUBIC YARDS				
Station to Station	Uncl. Exc. C.Y.	Embank. +% C.Y.	Borrow C.Y.	Waste C.Y.	Station to Station	Uncl. Exc. C.Y.	Embank. +% C.Y.	Borrow C.Y.	Waste C.Y.
<b>SUMMARY 1 (Phase 1)</b>					<b>SUMMARY 5 (Phase 5)</b>				
-DET- (-L- 13+50.00) TO (-L- 21+39.75)	62	14,833	14,771		-L- 12+75.00 TO 21+00.00 LT	3,253	2,718		535
-DET- (-L- 23+06.15) TO (-L- 27+50.00)	6	5,152	5,146		-L- 23+50.00 TO 31+00.00 LT	2,452	1,859		593
<b>SUMMARY 1 TOTAL</b>	<b>68</b>	<b>19,985</b>	<b>19,917</b>		-EY4- 10+60.00 TO 10+80.00	3	19	16	
<b>SUMMARY 2 (Phase 2)</b>					<b>SUMMARY 5 TOTAL</b>				
-L- 12+75.00 TO 17+00.00 RT	141	730	589		<b>PROJECT TOTAL</b>	<b>6,054</b>	<b>43,888</b>	<b>38,961</b>	<b>1,128</b>
-L2- (-L- 17+00) TO -L2- (-L- 20+50)	14	127	113						
-L2- (-L- 23+50) TO -L2- (-L- 27+50)	6	656	650		Bridge End Bent Volume			1,490	
-L- 27+00.00 TO 30+50.00 RT	19	1,292	1,273		Est. Shoulder Material			227	
-DRV2- 10+70.00 TO 10+90.00		31	31		Est 5% To Repl. Topsoil at Borrow Pit			2,034	
<b>SUMMARY 2 TOTAL</b>	<b>180</b>	<b>2,836</b>	<b>2,656</b>		<b>GRAND TOTALS</b>	<b>6,054</b>		<b>42,712</b>	<b>1,128</b>
<b>SUMMARY 3 (Phase 3)</b>					<b>SAY</b>				
-L- 17+00.00 RT TO -L- 20+26.04 RT	8	4,775	4,767			<b>6,100</b>		<b>43,000</b>	
-L- 23+00.00 RT TO -L- 30+50.00 RT	29	7,667	7,638						
<b>SUMMARY 3 TOTAL</b>	<b>37</b>	<b>12,442</b>	<b>12,405</b>						
<b>SUMMARY 4 (Phase 4)</b>					ESTIMATED UNDERCUT = 1,000 C.Y.				
-L- 17+50.00 TO -L- 20+50.00		1,430	1,430		EST. SELECT GRANULAR MATERIAL = 1,000 C.Y.				
-L- 23+00.00 TO -L- 30+00.00	61	2,598	2,537		SHALLOW UNDERCUT = 1,470 C.Y.				
<b>SUMMARY 4 TOTAL</b>	<b>61</b>	<b>4,028</b>	<b>3,967</b>		CLASS IV SUBGRADE STABILIZATION = 2,646 TONS				

APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, FINE GRADING, CLEARING AND GRUBBING, REMOVAL OF EXISTING PAVEMENT AND BREAKING 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.

SUMMARY OF ASPHALT  
 PAVEMENT REMOVAL & BREAKING

SQUARE YARDS				
LINE	Station to Station	LOC LT/RT/CL	Removal	Breaking
-DET-	14+00.00 TO 16+51.44	CL	758.15	
-DET-	18+02.33 TO 20+00.00	CL	590.83	
-L-	17+00 TO 20+65.62	LT	192.41	
-L-(MED.)	17+83.46 TO 20+46.56	CL	498.79	
-L-(MED.)	23+26.17 TO 28+37.74	CL	1,134.38	
-DET-	8+98.00 TO 14+00.00	LT		707.83
-DET-	20+00.00 TO 22+35.87	LT		480.13
-L2-	17+00.00 TO 20+65.62	CL		1,137.48
-L2-	23+50.00 TO 27+57.14	CL		1081.32
-L-	22+98.95 TO 25+58.35	Parking		605.8
-DRV2-	10+49.00 TO 11+10.00	Parking		219.61
<b>PROJECT TOTAL</b>			<b>3,174.56</b>	<b>4,232.17</b>
<b>SAY</b>			<b>3,180</b>	<b>4,240</b>

SUMMARY OF DARK GREEN VINYL COATED CHAIN LINK FENCE

LINE	STATION TO STATION	LOCATION	FABRIC (FT.)	4" LINE POST (EA)	5" TERM. POST (EA)
-L-	14+00.00 TO 19+00.00	LT.	500.00	42	3
-L-	23+38.64 TO 27+27.81	LT.	392.68	33	4
-L-	22+66.27 TO 27+92.08	RT.	554.25	46	3
<b>PROJECT TOTAL</b>			<b>1,446.93</b>	<b>121</b>	<b>10</b>
<b>SAY</b>			<b>1,450</b>		

PERMANENT 72" CHAIN LINK FENCE WITH 3 SBW

LINE	STATION TO STATION	LOCATION	FABRIC (FT.)	4" LINE POST (EA)	5" TERM. POST (EA)
-L-	22+64.16 TO 22+66.27	RT.	4.34		2
-L-	26+23.27 TO 26+69.53	RT.	48.49	4	2
-L-	27+44.00	RT.	12.21	1	2
<b>PROJECT TOTAL</b>			<b>65.04</b>	<b>5</b>	<b>6</b>
<b>SAY</b>			<b>66</b>		

PEDESTRIAN SAFETY RAIL

LINE	STATION TO STATION	LOCATION	LENGTH (FT.)
-L-	16+04.00 TO 17+15.78	RT.	116.65
-L-	28+37.00 TO 29+70.00	RT.	151.53
<b>PROJECT TOTAL</b>			<b>268.18</b>
<b>SAY</b>			<b>270</b>

TEMPORARY 72" CHAIN LINK FENCE W/POSTS

LINE	STATION TO STATION	LOCATION	LENGTH (FT.)
-L-	16+78.33 TO 21+56.17	LT.	491.27
-L-	22+64.05 TO 25+43.63	RT.	284.76
<b>PROJECT TOTAL</b>			<b>776.03</b>
<b>SAY</b>			<b>780</b>