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PROJECT REFERENCE NO. SHEET NO.
 R-3100B 3B-1

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 UNLESS ALL SIGNATURES COMPLETED**

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
SUMMARY OF EARTHWORK
 IN CUBIC YARDS

STATION TO STATION	PHASE	UNCLASSIFIED EXCAVATION	EMBT +%	BORROW	WASTE
-L- 15+35.00 TO 45+00.00 LT	I	3,377	7,243	3,866	
-L- 45+00.00 TO 75+00.00 LT	I	10,938	9,151		1,787
-L- 75+00.00 TO 84+00.00 LT	I	40	1,502	1,462	
-L- 84+00.00 TO 92+00.00 LT	I	320	1,038	718	
-L- 92+00.00 TO 105+00.00 RT	I	105	3,390	3,285	
-L- 105+00.00 TO 135+00.00 RT	I	9,323	8,286		1,037
-L- 135+00.00 TO 165+00.00 RT	I	5,492	4,119		1,373
-L- 165+00.00 TO 195+00.00 RT	I	4,619	24,695	20,076	
-L- 195+00.00 TO 198+28.48 RT	I	5,099	29		5,070
-Y2- 12+00.00 TO 14+00.00	I	189	5		184
-Y3- 13+20.00 TO 16+50.00	I	226	715	489	
-Y5- 11+00.00 TO 14+54.49	I	326	1,044	718	
-Y6- 10+50.00 TO 13+37.59	I	48	1,139	1,091	
-Y7- 10+50.00 TO 13+00.00	I	26	488	462	
-Y8- 10+50.00 TO 13+84.00	I	1,771	30		1,741
-Y11- 11+00.00 TO 14+63.00	I	713	768	55	
-Y12- 10+00.00 TO 18+00.00	I	166	7,779	7,613	
SUBTOTAL		42,778	71,421	39,835	11,192
-L- 15+35.00 TO 45+00.00 RT	II	1,480	22,612	21,132	
-L- 45+00.00 TO 75+00.00 RT	II	722	18,218	17,495	
-L- 75+00.00 TO 84+00.00 RT	II	110	2,684	2,574	
-L- 84+00.00 TO 92+00.00 RT	II	33	4,307	4,274	
-L- 92+00.00 TO 105+00.00 LT	II	685	2,017	1,332	
-L- 105+00.00 TO 135+00.00 LT	II	616	11,395	10,779	
-L- 135+00.00 TO 165+00.00 LT	II	412	11,210	10,798	
-L- 165+00.00 TO 195+00.00 LT	II	2,966	7,930	4,964	
-L- 195+00.00 TO 198+28.48 LT	II	17	454	437	
-Y4- 10+50.00 TO 13+20.00	II	85	3,138	3,053	
-Y9- 12+61.00 TO 13+74.10	II	25	66	41	
-Y10- 10+19.00 TO 12+50.00	II	57	434	377	
SUBTOTAL		7,208	84,464	77,256	
-L- 15+35.00 TO 45+00.00 MED	III	303	1,477	1,174	
-L- 45+00.00 TO 75+00.00 MED	III	181	1,650	1,469	
-L- 75+00.00 TO 84+00.00 MED	III	15	537	522	
-L- 84+00.00 TO 92+00.00 MED	III	14	28	14	
-L- 92+00.00 TO 105+00.00 MED	III	82	884	802	
-L- 105+00.00 TO 135+00.00 MED	III	380	1,965	1,585	
-L- 135+00.00 TO 165+00.00 MED	III	176	1,228	1,052	
-L- 165+00.00 TO 195+00.00 MED	III	172	6,373	6,201	
-L- 195+00.00 TO 198+28.48 MED	III	85	408	323	
SUBTOTAL		1,408	14,550	13,142	
SUMMARY TOTALS		51,394	170,435	130,233	11,192
MATERIAL FOR SHOULDER CONSTRUCTION			2,300	2,300	
LOSS DUE TO CLEARING AND GRUBBING		-14,000		14,000	
WASTE IN LIEU OF BORROW				-11,192	-11,192
PROJECT TOTALS		37,394	172,735	135,341	
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT				6,768	
GRAND TOTALS		37,394	172,735	142,109	
SAY		37,400		142,200	

ESTIMATED DDE = 2,780 CY
 SELECT GRANULAR MATERIAL = 1,000 CY
 UNDERCUT EXCAVATION = 7,500 CY
 SHALLOW UNDERCUT = 1,000 CY
 CLASS IV SUBGRADE STABILIZATION = 1,800 TONS
 PAVEMENT STRUCTURE VOLUME = 44,255 CY

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.

5/28/99
 7/16/2017
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