STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK
IN CUBIC YARDS

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PROJECT REFERENCE NO.	SHEET NO.
W-5107	3B-1

STATION	STATION	TOTAL EXCAV. (UNCL.)	UNDERCUT EXCAV.	EMB. (+%)	BORROW	TOTAL WASTE
SUMMARY #1 -L- Left 28+00.00	33+65.00	264		1,454	1,190	0
-L- Left 33+65.00	49+50.00	1,842		4,194	2,352	0
-Y1- 30+69.80 (Bridge)	42+10.00	1,367		33,653	32,906	620
-Y1LPA- 12+00.00	13+50.00	750		43	0	708
-Y1RPA- 13+51.50	19+00.00	3,845		914	0	2,931
-Y2- 11+50.00	14+50.00	66		1,195	1,129	0
-DW1- 10+00.00	12+25.00	43		61	18	0
-DW2- 10+00.00	11+83.75	25		29	4	0
-L- Left 98+00.00	115+50.00	3,680		2,179	0	1,501
-Y6- 24+56.45(BRIDGE)	34+25.00	525		53,679	53,154	0
-Y6LPB- 11+00.00	20+50.00	5,301		35,594	30,293	0
-Y6LPBA- 10+75.00	11+30.00	552		31	0	521
-DW5- 10+50.00	10+75.00	1		33	32	0
-L- Left 115+50.00	119+00.00	140		2,820	2,680	0
-SR2- 10+65.00	21+98.83	504		2,773	2,269	0
TOTAL SUMMARY #1		18,905		138,649	126,025	6,281
SUMMARY #2 -L- Right 12+50.00	33+65.00	1,303		17,123	15,820	0
-L- Right 33+65.00	49+50.00	2,430		513	0	1,918
-Y1- 13+70.00	27+71.80 (BRIDGE)	5,229		96,035	92,166	1,360
-Y1LPC- 14+00.00	15+74.00	272	1,000	2,175	2,143	1,240
-Y1RPC- 15+05.00	21+00.00	10,902	2,000	959	0	11,943
-Y1RPD- 13+96.00	20+00.02	586		27,713	27,167	40
-Y3- 13+30.00	15+50.00	226		653	427	0
-SR1- 10+50.00	18+40.00	310		15,929	15,619	0
-L- Right 101+00.00	115+50.00	3,641		1,506	655	2,790
-Y6- 12+69.00	22+60.45 (BRIDGE)	2,142		28,396	26,254	0
-L- Right 115+50.00	122+00.00	2,726		3,131	405	0
-Y6LPC- 10+78.00	18+50.00	3,125	1,000	2,685	1560	3000
-Y6LPCA- 11+28.67	11+60.00	105	500	0	0	605
-SR3- 10+75.00	11+86.21	60		100	40	0
-SR4- 10+30.00	11+59.00	681		68	0	614
-DW7- 10+25.00	11+50.00	269		51	0	218
TOTAL SUMMARY #2		34,007	4,500	197,035	182,255	23,727

EST DDE = 8805 CY.
EST SHALLOW UNDERCUT = 1500 CY.
EST SHALLOW UNDERCUT BY STATIONS = 900 CY.
EST TOTAL SHALLOW UNDERCUT = 2,400 CY.
EST PAVEMENT STRUCTURE VOLUMES = 22,700 CY.

STATION	STATION	TOTAL EXCAV. (UNCL.)	UNDERCUT EXCAV.	EMB. (+%)	BORROW	TOTAL WASTE
SUMMARY #3 -L1- Median 10+50.00	22+00.00	402		54	0	348
-L- Median 31+00.00	33+65.00	117		40	0	77
-L- Median 34+00.00	49+00.00	18		31	13	0
-L- Median 49+00.00	68+00.00	150		160	10	0
-L- Median 78+50.00	87+50.00	211		31	0	180
-L- Median 93+00.00	121+50.00	232		639	407	0
-L- Median 127+50.00	138+50.00	184		113	0	71
TOTAL SUMMARY #3		1,313		1,068	430	676
SUBTOTAL SUMMARIES 1, 2, & 3		54,225	4,500	336,751	308,710	30,683
WASTE TO REPLACE BORROW					-8,523	-8,523
ADDITIONAL UNDERCUT			5,500	6,875	6,875	5,500
MATERIAL FOR SHOULDER CONSTRUCTION				10,000	10,000	
PROJECT TOTALS		54,225	10,000	353,626	317,061	27,660
EST. 5% FOR REPL. TOPSOIL ON	BORROW PIT				15,853	
GRAND TOTALS		54,225	10,000		332,914	
SAY		55,000	10,000		335,000	

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

5/28/99

12/16/2014
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ARCADIS C&M of NC Inc.:sandlewood