

## Summary of Laboratory Results Soil Classification and Gradation

Borehole	Sample	Depth (ft)	AASHTO Classification	% Passing Sieve #			Soil Mortar Fraction						Plasticity Index	Moisture Content (%)	Organic Content (%)
				10	40	200	Coarse Sand % Retained on No. 60	Fine Sand	Silt	Clay	Liquid Limit				
				10	40	200									
EB1-B	SS-1	3.6 - 5.1	A-6 (13)	100	98	97	95	3	7	73	17	36	13	35.5	
EB1-B	SS-2	8.6 - 10.1	A-4 (3)	100	100	99	75	1	30	38	31	23	8	19.8	3.0
EB1-B	SS-5	23.6 - 25.1	A-3 (1)	100	99	89	6	11	85	1	3	17	NP		
EB1-B	SS-10	49.0 - 50.5	A-6 (12)	100	100	100	83	0	39	37	24	36	15	34.3	
B1-B	SS-5	21.4 - 22.9	A-2-4 (0)	100	99	98	23	2	86	7	5	29	NP		
B1-B	SS-14	66.9 - 68.4	A-7-6 (48)	100	100	100	99	0	1	36	63	67	42	51.0	
B1-B	SS-23	111.9 - 113.4	A-2-4 (0)	93	86	76	12	18	71	4	7	19	NP		
B2-B	SS-1	0.0 - 1.5	A-6 (16)	100	100	100	94	0	17	41	42	36	17	52.2	
B2-B	SS-17	79.3 - 80.8	A-7-6 (38)	100	100	100	98	0	2	48	50	59	33	48.8	
B3-B	SS-1	3.7 - 5.2	A-2-4 (0)	94	83	59	24	38	38	11	13	13	NP		
B3-B	SS-2	8.7 - 10.2	A-4 (6)	100	100	99	85	1	19	48	32	25	9	26.0	4.4
B3-B	SS-8	39.2 - 40.7	A-2-4 (0)	100	70	48	32	52	17	9	22	20	9		
B3-B	SS-14	69.2 - 70.7	A-7-5 (40)	100	97	96	95	3	3	40	54	66	35	60.8	
EB2-B	SS-2	4.0 - 5.5	A-6 (10)	100	98	95	90	5	7	64	24	34	11	32.1	5.5

PROJECT DESCRIPTION: Replacement of Bridge No. 7 on N.C. 615 Over Corey's Ditch  
 STATE PROJECT No.: 8.1040601  
 TIP No.: B-3445  
 FEDERAL I.D. No.  
 COUNTY: CURRITUCK, NORTH CAROLINA  
 S&ME JOB No.: 1051-01-118  
 CHECKED BY: AFR/RLT