

SUMMARY OF LABORATORY TEST DATA

SOIL SPECIMENS FROM STRUCTURE BORINGS

Br. 174 Over Cane Creek on SR 1958

State Project No. 8.2502001, B-3885

Orange County, North Carolina

Boring No.	Sample Depth (ft)	Sample No.*	Natural Moisture Content (%)	AASHTO Class (Group Index)	N-Value (bpi)**	Atterberg Limits			Gradation Results					Minus 2.00 mm Fraction			
						L.L.	P.L.	P.I.	Pass #10	Pass #40	Pass #200	Ret. #270	Ret. #60	Coarse Sand (%)	Fine Sand (%)	Silt (%)	Clay (%)
EB1-A	1.0 - 2.5	SS-1	15.9	A-6 (5)	4	31	15	16	90	76	54	50	30	22	22	28	28
EB1-A	3.5 - 5.0	SS-2	23.2	A-6 (5)	6	29	16	13	78	71	60	58	32	13	14	39	34
EB1-A	6.0 - 7.5	SS-3	27.3	A-6 (7)	6	30	13	17	97	84	61	57	22	19	22	30	29
EB1-A	8.5 - 10.0	SS-4	15.3	A-4 (0)	15	19	NP	NP	84	71	50	47	35	23	22	29	26
EB1-B	1.0 - 2.5	SS-5	14.2	A-4 (2)	20	24	15	9	91	78	52	48	29	22	26	25	27
EB1-B	6.0 - 7.5	SS-6	16.4	A-4 (5)	10	26	16	10	99	93	74	70	11	10	20	38	32
B1-A	3.5-5.0	SS-7	22.0	A-6 (5)	12	30	19	11	98	91	66	62	17	16	21	33	30
B1-B	1.0-2.5	SS-8	24.3	A-6 (4)	3	32	20	12	95	87	53	49	25	21	27	24	28
B1-B	3.5-5.0	SS-9	-	A-2-4 (0)	30	27	19	8	61	51	32	30	55	27	24	27	22
B2-A	2.0-3.5	SS-10	15.0	A-6 (3)	16	26	15	11	92	83	58	54	24	17	24	29	30
B2-A	4.5-6.0	SS-11	18.3	A-4 (3)	6	25	15	10	97	87	60	56	21	18	24	29	29
B2-B	1.0-2.5	SS-12	16.4	A-6 (5)	5	29	18	11	100	91	64	61	19	19	20	33	28
EB2-A	1.0 - 2.5	SS-13	20.5	A-6 (10)	8	35	12	23	88	80	60	57	25	15	21	31	33
EB2-A	6.0 - 7.5	SS-14	17.6	A-6 (7)	4	29	14	15	98	89	65	61	17	15	23	27	35
EB2-A	8.5 - 10.0	SS-15	16.6	A-4 (0)	6	18	NP	NP	100	87	49	46	28	28	26	26	20
EB2-A	18.5 - 20.0	SS-16	31.9	A-4 (0)	15	31	29	2	100	81	57	52	27	27	21	34	18
EB2-A	23.5 - 25.0	SS-17	15.5	A-4 (2)	87	31	21	10	100	72	47	43	37	37	20	25	18
EB2-B	3.5 - 5.0	SS-18	19.5	A-6 (8)	5	30	16	14	99	90	70	67	15	14	19	33	34
EB2-B	13.5 - 15.0	SS-19	16.0	A-4 (0)	20	21	NP	NP	99	80	37	33	36	36	31	16	17
EB2-B	23.5 - 25.0	SS-20	15.0	A-4 (0)	88	22	NP	NP	90	69	38	34	41	35	27	26	12
channel bed	0.0 - 0.5	G-1	-	A-1-a	NA	26	NP	NP	39	5	2	2	96	90	5	0	5

* SS = Split-Spoon Sample (ASTM-D-1586)

** bpi = Blows per foot

*** S = Bulk Sample, G = Grab Sample

NP = Non-Plastic

NA = Not Applicable

TRIGON ENGINEERING CONSULTANTS, INC.
RALEIGH, NORTH CAROLINA

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