

State Project No. 296.1.1
 TIP No. B-3848 F.A. No. BRZ-2124(1)
 Bridge No. 102 over Lake Higgins/Brush Creek on SR 2124
 Guilford County, North Carolina

SUMMARY OF LABORATORY TEST DATA

Boring Number	Sample Depth (ft.)	Sample No. *	Natural Moisture Content (%)	AASHTO Class (Group Index)	N-Value (blows/ft.)	Atterberg Limits				Gradation Results						
						L.L.	P.L.	P.I.	Pass #10 Sieve	Pass #40 Sieve	Pass #200 Sieve	Retained #270 Sieve	Coarse Sand (%)	Fine Sand (%)	Silt (%)	Clay (%)
EB1-A	3.5-5.0	SS-1	16.3	A-6 (1)	9	36	22	14	93	60	38	64	44	18	23	15
EB1-A	13.5-15.0	SS-2	37.6	A-7-5 (18)	4	49	30	19	100	95	82	20	7	13	43	37
EB1-A	33.5-35.0	SS-3	-	A-2-4 (0)	11	18	NP	NP	100	93	20	84	28	56	16	0
EB1-B	8.5-10.0	SS-4	25.3	A-4 (1)	5	39	31	8	93	73	45	57	30	24	28	18
EB1-B	28.5-30.0	SS-5	26.4	A-4 (2)	3	31	25	6	100	98	57	48	8	40	30	22
B1-A	8.5-10.0	SS-6	-	A-1-b (0)	8	17	NP	NP	82	19	4	97	85	11	3	1
B1-A	28.5-30.0	SS-7	-	A-2-4 (0)	58	26	NP	NP	92	60	18	85	53	31	16	0
B1-B	3.5-5.0	SS-8	51.3	A-4 (2)	6	35	29	6	95	90	56	48	10	35	36	19
B1-B	18.5-20.0	SS-9	-	A-2-4 (0)	16	22	NP	NP	95	62	26	77	47	29	24	0
B2-A	1.0-2.5	SS-10	30.0	A-4 (1)	2	33	24	9	96	76	41	62	33	27	22	18
B2-A	28.5-30.0	SS-11	-	A-1-b (0)	35	30	NP	NP	87	48	19	84	57	25	18	0
B2-B	23.5-25.0	SS-12	-	A-1-b (0)	21	16	NP	NP	80	29	6	95	80	14	6	0
B2-B	28.5-30.0	SS-13	-	A-1-b (0)	24	26	NP	NP	90	50	18	85	56	28	16	0
EB2-A	3.5-5.0	SS-14	17.0	A-7-5 (3)	10	43	18	25	95	57	36	67	48	17	16	19
EB2-A	18.5-20.0	SS-15	-	A-1-b (0)	9	16	NP	NP	93	12	3	97	93	4	2	1
EB2-A	38.5-40.0	SS-16	-	A-1-b (0)	15	24	NP	NP	85	44	17	86	59	23	18	0
EB2-B	18.5-20.0	SS-17	28.0	A-6 (4)	9	33	22	11	97	84	55	49	19	29	29	23
EB2-B	28.5-30.0	SS-18	-	A-2-4 (0)	13	21	NP	NP	100	55	11	91	67	24	9	0
EB2-B	38.5-40.0	SS-19	-	A-2-4 (0)	67	27	NP	NP	98	58	22	82	54	28	18	0

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

** G = Grab Sample

***ST=Shelby Tube (Undisturbed) Sample

NP -- Non Plastic NA-- Non Applicable

TRIGON ENGINEERING CONSULTANTS, INC.
 GREENSBORO, NORTH CAROLINA
 Trigon Job Number: 071-05-012
 Page: I of I

LABORATORY SUMMARY SHEET FOR ROCK CORE SAMPLES

PROJECT NO.: 33296.1.1
 TIP NO.: B-3848
 F.A. NO.: BRZ-2124(1)
 COUNTY: Guilford
 DESCRIPTION: Bridge No. 102 over Lake Higgins/Brush Creek on SR 2124

Sample #	Boring #	Depth (ft.)	Rock Type	Geologic Map Unit	Run RQD	Length (ft.)	Diameter (ft.)	Dry Density (lbs/cu. ft.)	Unconfined Compressive Strength (psi)	Maximum Load (lbs.)	Loading Rate (in./min.)
RS-1	B1-A	46.6-46.9	Metamorphosed Granitic Rock	GZg	49%	0.3445	0.1666	160.8	17,178	53,940	0.009
RS-2	B2-B	51.4-51.7	Metamorphosed Granitic Rock	GZg	66%	0.3311	0.1666	160.4	14,933	46,890	0.009