State Project No. 6.529005T
TIP No. R-2610A
Site 2: Bridge on SBL US 421 over NSRR
Chatham County, North Carolina

SUMMARY OF LABORATORY TEST DATA

						Atterberg Limits			Gradation Results							
Boring Number	Sample Depth (m)	Sample No.*	Natural Moisture Content (%)	AASHTO Class (Group Index)	N-Value (blows/30cm)	L.L.	P.L.	P.I.	Pass #10 Sieve	Pass #40 Sieve	Pass #200 Sieve	Pass #270 Sieve	Coarse Sand (%)	Fine Sand (%)	Silt (%)	Clay (%)
EB1-A	1.07-1.52	SS-1	7.4	A-6 (15)	49	37	22	15	99	99	94	90	1	8	58	33
EB1-B	0.30-0.75	SS-2	11.9	A-4 (7)	24	29	20	9	100	99	86	78	1	20	52	27
B2-A	1.07-1.52	SS-3	24.6	A-7-6 (22)	19	46	27	19	100	100	98	97	0	3	48	49
B2-B	0.30-0.75	SS-4	28.2	A-7-6 (30)	9	56	28	28	100	99	93	91	1	7	37	55
EB2-A	0.30-0.75	SS-5	20.4	A-4 (9)	18	34	24	10	99	98	88	76	1	22	50	27
EB2-B	1.07-1.52	SS-6	11.7	A-4 (0)	68	25	20	5	94	76	50	44	21	32	32	15
EB2-B1	1.07-1.52	SS-7	16.1	A-6 (10)	10	36	22	14	98	89	77	73	11	14	39	36
EB2-B1	5.64-6.09	SS-8	20.6	A-7-6 (21)	10	46	28	18	100	99	96	95	1	3	40	56

* SS = Split-Spoon Sample (ASTM-D-1586)
** S = Bulk Sample
***ST=Shelby Tube (Undisturbed) Sample
NP -- Non Plastic

TRIGON ENGINEERING CONSULTANTS, INC.
GREENSBORO, NORTH CAROLINA
Trigon Job Number: 071-02-018
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LABORATORY SUMMARY SHEET FOR ROCK CORE SAMPLES

PROJECT NO.: 6.529005T (R-2610A)
F.A. NO.: N/A
COUNTY: Chatham
DESCRIPTION: Site 4-Dual Bridges on -L- (Greensboro Western Urban Loop) over -L REV- (Guilford College Road)

Sample #	Boring #	Depth (m)	Rock Type	Geologic Map Unit	Run RQD	Length (m)	Diameter (m)	Dry Density (kN/m^3)	Unconfined Compressive Strength (kN/m^2)	Maximum Load (kN)	Loading Rate (cm/min.)
RS-1	B1-A	5.95-6.08	Triassic Mudstone	TRCS	NA	0.125	0.0622	25.39	7,477	23	0.02
RS-2	B2-B	6.21-6.34	Triassic Mudstone	TRCS	NA	0.122	0.622	25.28	43,661	133	0.02