State Proje[illegible]o. 8.2495201
TIP No. B-3646
Bridge No. 185 over the Haw River on SR 2712
Alamance County, North Carolina

SUMMARY OF LABORATORY TEST DATA

						Atterberg Limits			Gradation Results							
Boring Number	Sample Depth (ft.)	Sample No.*	Natural Moisture Content (%)	AASHTO Class (Group Index)	N-Value (blows/ ft.)	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	1.0-2.5	SS-1	36.9	A-7-5 (8)	3	44	30	14	95	85	64	63	17	17	34	32
EB1-A	8.5-10.0	SS-2	36.5	A-4 (1)	20	28	21	7	100	98	53	49	5	46	29	20
EB1-B	3.5-5.0	SS-3	44.0	A-7-6 (16)	6	45	24	21	100	95	77	76	8	16	31	45
EB1-B	8.5-10.0	SS-4	38.5	A-4 (2)	18	30	20	10	99	93	50	43	11	46	19	24
B1-B	0.0-1.5	SS-5	28.8	A-4 (0)	37	26	NP	NP	99	85	51	45	18	36	40	6
B1-B	6.0-7.5	SS-6	34.5	A-4 (0)	50	25	NP	NP	95	76	49	46	26	25	41	8
B2-A	9.3-10.8	SS-7	39.8	A-4 (0)	32	31	26	5	74	63	47	45	19	20	56	5
B2-B	0.0-1.5	SS-8	-	A-1-b (0)	13	21	NP	NP	63	41	11	10	55	29	13	3
B2-B	6.0-7.5	SS-9	-	A-2-4 (0)	25	16	NP	NP	87	51	25	24	51	21	23	5
EB2-A	6.0-7.5	SS-10	41.9	A-7-6 (14)	6	44	24	20	98	92	72	71	10	18	32	40
EB2-A	13.5-15.0	SS-11	-	A-2-4 (0)	5	18	NP	NP	99	91	35	30	18	51	23	8
EB2-A	23.5-25.0	SS-12	33.7	A-4 (0)	97	33	28	5	100	84	47	45	28	27	29	16
EB2-B	3.0-5.0	SS-13	47.1	A-7-6 (17)	4	50	28	22	97	91	74	74	11	13	33	43
SBK-1	0.0-0.5	G-1	31.8	A-4 (1)	NA	29	22	7	99	98	52	46	8	45	26	21
SBK-2	0.0-0.5	G-2	39.3	A-5 (3)	NA	41	31	10	94	90	50	44	11	43	27	19

* 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: 071-03-014

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LABORATORY SUMMARY SHEET FOR ROCK CORE SAMPLES

PROJECT NO.: 8.2495201 (B-3646)
F.A. NO.: BRZ-2712(2)
COUNTY: Guilford
DESCRIPTION: Bridge No. 185 over the Haw River on SR 2712

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-B	15.9-16.3	Metamorphosed Diorite	PzZg	26%	0.4239	0.2075	164.0	2,679	13,040	0.009
RS-2	B3-A	13.0-13.3	Metamorphosed Granitic Rock	CZg	100%	0.4122	0.2075	167.5	10,191	49,600	0.009