State Pr[illegible] No. 8.2353001
TIP No. B-3450
Bridge No. 122 over Sandy Creek on SR 1116 (Garrett Road)
Durham 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)	Organic Content (%)	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 (%)
D-EB1	1.0-2.5	SS-18	37.4	A-7-5 (7)	-	6	44	23	21	99	74	63	62	29	9	22	40
D-EB1	13.5-15.0	SS-19	-	A-1-b (0)	-	2	15	NP	NP	94	21	13	11	81	6	8	5
D-CTR	3.5-5.0	SS-20	-	A-2-4 (0)	-	5	19	NP	NP	100	70	26	24	51	25	15	9
D-EB2	1.0-2.5	SS-21	23.8	A-4 (1)	-	4	28	20	8	100	92	45	41	20	40	26	14
D-EB2	8.5-10.0	SS-22	20.0	A-4 (2)	-	14	29	20	9	100	99	53	44	4	52	29	15
SBK-1	0.0-0.5	G-1	-	A-2-4 (0)	-	NA	15	NP	NP	97	73	13	12	61	26	4	9
SBK-2	0.0-0.5	G-2	-	A-2-4 (0)	-	NA	22	NP	NP	100	68	29	25	51	24	14	11
SBD-1	0.0-0.5	G-3	-	A-3 (0)	-	NA	12	NP	NP	100	73	4	4	70	26	3	1
SBD-2	0.0-0.5	G-4	-	A-1-b (0)	-	NA	8	NP	NP	100	31	3	3	93	4	2	1

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

TRIGON ENGINEERING CONSULTANTS, INC.
GREENSBORO, NORTH CAROLINA
Trigon Job Number: 071-02-016
Page: 2 of 2

LABORATORY SUMMARY SHEET FOR ROCK CORE SAMPLES

PROJECT NO.: 8.2353001 (B-3450))
F.A. NO.: BRSTP-1116(4)
COUNTY: Durham
DESCRIPTION: Bridge No. 122 over Sandy Creek on SR 1116 (Garrett Road)

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	32.0-32.4	Triassic Sandstone	TRC	100%	0.452	0.2064	151.60	3,197	15,250	0.009
RS-2	B2-B	32.0-32.4	Triassic Mudstone	TRC	100%	0.413	0.2064	163.3	5,191	25,000	0.009