SUMMARY OF LABORATORY TEST DATA FOR NCDOT

33410.1.1/B-4044
Bridge No. 4 over Smokey Creek on SR 1515
Burke County, North Carolina

Boring No.	Sample Depth (ft.)	Sample Type	Natural Moisture Content (%)	AASHTO Class	N Value	Atterberg Limits			Gradation Results							
						L.L.	P.L.	P.I.	Pass #10 Sieve	Pass #40 Sieve	Pass #200 Sieve	Pass #270 Sieve	Coarse Sand (Ret. #60) (%)	Fine Sand (Ret. #270) (%)	Silt (%)	Clay (%)
EB1-A	3.5-5.0	SS-1	N/A	A-2-4(0)	7	25	NP	NP	98	77	22	19	44	37	3	16
B1-A	3.5-5.0	SS-2	N/A	A-2-4(0)	2	21	NP	NP	97	62	18	15	57	27	10	6
B1-B	8.5-10.0	SS-3	N/A	A-2-4(0)	68	35	NP	NP	77	70	18	13	33	51	12	4
B2-B	8.5-10.0	SS-4	67.0	A-5(10)	WOH	44	34	10	100	99	81	74	2	24	52	22
EB2-A	0.5-2.0	S-1	35.3	A-5(3)	N/A	42	32	10	96	78	49	44	28	27	27	18
BANK	0.0-1.5	S-2	N/A	A-2-4(0)	N/A	30	NP	NP	100	97	17	13	24	64	7	5
BED	0.0-1.5	S-3	N/A	A-1-a(0)	N/A	NP	NP	NP	27	11	0	0	82	18	0	0

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ROCK TESTING SUMMARY

BORING NO.	SAMPLE NO.	DEPTH (ft)	UNCONFINED COMP. STRENGTH (psi)	YOUNG'S MODULUS (psi)	POISSON'S RATIO
B1-A	RS-1	20.3-20.7	5,160	N/A	N/A
B1-B	RS-2	11.6-12.0	7,240	N/A	N/A
B2-A	RS-3	8.7-9.1	13,250	N/A	N/A
B2-B	RS-4	19.8-20.2	10,230	N/A	N/A.