

TEST RESULTS

PROJECT: 8.2625001 (WBS: 34988.1.1) U-3837

COUNTY: FORSYTH

SITE DESCRIPTION: BRIDGE NO. 436 ON SR 3153 (HANES MALL BLVD.) OVER I-40

SOIL SAMPLE RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS	N	L.L.	P.I.	% BY WEIGHT				% PASSING SIEVES			%	%	UNIT WT. (d)	VOID RATIO
								C. SAND	F. SAND	SILT	CLAY	10	40	200				
<b>BORINGS FROM 2003 (-L-)</b>																		
SS-125	30 LT	19+80 (EB1-A)	5.40-6.90	A-5(1)	5	50	8	22.5	41.6	21.7	14.2	97	85	40				
SS-126			13.90-15.40	A-2-5(0)	4	49	NP	30.0	39.6	22.3	8.1	90	75	31				
SS-127			23.90-25.40	A-7-5(5)	10	55	15	23.1	30.0	20.5	26.4	89	78	46				
SS-128			33.90-35.90	A-5(1)	10	51	6	25.6	27.8	20.3	26.4	87	73	44				
SS-129	4' LT	19+75 (EB1-B)	5.30-6.80	A-5(0)	5	52	NP	24.1	39.1	20.5	16.2	94	82	39				
SS-130			14.00-15.50	A-2-5(0)	7	50	NP	24.3	45.8	19.7	10.1	94	81	34				
SS-131			24.00-25.50	A-7-5(8)	7	61	20	19.5	33.9	24.3	22.3	94	85	49				
SS-132			34.00-35.50	A-7-5(13)	14	58	26	19.5	24.3	21.7	34.5	93	82	56				
SS-133			39.00-40.50	A-7-6(15)	16	57	38	18.7	27.2	9.5	44.6	91	83	52				
SS-101	15' RT	21+64 (B2-A)	5.60-7.10	A-5(0)	8	45	NP	21.9	43.4	20.5	14.2	90	81	38				
SS-102			10.60-12.10	A-7-5(1)	16	46	14	29.4	33.1	13.2	24.3	86	71	37				
SS-103			14.20-15.70	A-7-5(2)	9	48	15	33.9	30.4	17.4	18.3	93	74	38				
SS-104			19.00-20.50	A-7-5(5)	9	50	16	18.9	31.4	23.3	26.4	86	78	48				
SS-105			24.00-25.50	A-5(0)	10	52	NP	31.4	35.9	14.4	18.3	95	78	36				
SS-106			29.00-30.50	A-7-6(11)	11	52	28	22.9	25.6	15.0	36.5	95	82	52				
SS-107			34.00-35.50	A-7-6(14)	10	56	29	22.5	22.5	12.4	42.6	97	85	56				
SS-108			39.00-40.50	A-7-6(20)	12	73	46	20.9	24.7	9.7	44.6	93	85	53				
SS-109			44.00-45.50	A-2-5(0)	11	44	NP	32.5	43.6	15.8	8.1	94	78	27				
SS-110			49.00-50.50	A-2-4(0)	12	40	NP	30.4	44.8	18.7	6.1	99	82	32				
SS-111			54.00-55.50	A-2-5(0)	12	43	NP	24.5	57.2	14.2	4.1	100	92	25				
SS-112	25' LT	23+52 (EB2-A)	4.90-6.40	A-7-5(3)	9	51	11	21.3	38.5	21.9	18.3	95	86	45				
SS-113			13.20-14.70	A-5(3)	9	53	10	20.7	38.3	26.8	14.2	95	84	46				
SS-114			18.20-19.70	A-7-5(8)	12	59	16	19.7	28.2	23.7	28.4	96	85	55				
SS-115			23.20-24.70	A-5(1)	12	52	9	22.1	44.2	21.5	12.2	95	85	39				
SS-116			28.20-29.70	A-7-5(3)	12	53	11	22.7	36.1	22.9	18.3	93	82	44				
SS-117			33.20-34.70	A-2-5(0)	43	47	NP	29.2	36.3	20.3	14.2	76	63	30				
SS-118			38.20-39.70	A-2-5(0)	15	48	NP	28.2	36.9	20.7	14.2	84	69	34				
SS-119			43.20-44.70	A-7-5(6)	16	51	18	19.5	34.7	21.5	24.3	95	87	49				
SS-120			48.20-49.70	A-5(0)	14	51	NP	26.8	36.5	24.5	12.2	85	71	37				
SS-121			53.20-54.70	A-7-5(6)	19	60	17	20.9	33.9	20.9	24.3	96	85	48				
SS-122			58.20-59.70	A-7-5(12)	18	53	15	25.8	32.0	21.9	20.3	93	79	43				
SS-123			63.20-64.70	A-2-4(0)	17	22	NP	46.3	44.3	3.2	6.1	98	80	12				
SS-124			68.20-69.70	A-2-4(0)	43	35	NP	35.1	48.9	12.0	4.1	98	84	21				

★ BORINGS FROM 1984 (-VESTMILL RD.-)

SS-1	20.25' LT.	64+40.32(EB1-A)	0.50-2.00	A-7-5(17)	11	68	34	7.7	36.5			55.8	34.4					
SS-7			23.50-25.00	A-2-5(0)	14	42	NP	26.1	53.1			20.8	32.7					
SS-5	20.25' RT.	64+34.22(EB1-B)	13.50-15.00	A-1-b(0)	27	26	NP	67.9	20.2			11.9	6.1					
SS-8	14.50' LT.	65+18.56(B1-A)	29.00-30.50	A-2-5(0)	13	47	NP	17.3	65.3			17.4	23.9					
SS-12	14.50' LT.	66+32.24(B2-A)	49.00-50.50	A-2-5(0)	22	42	NP	38	50			12	33.6					
SS-2	14.50' RT.	67+31.44(B3-B)	3.50-5.00	A-2-4(0)	4	20	NP	20	68.4			11.6	26.9					
SS-5	20.25' RT.	67+54.10(EB2-B)	13.50-15.00	A-2-4(0)	19	30	NP	34.5	53.1			12.4	16.5					

ROCK SAMPLE RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	RQD	UNIT WT	Q(MPa) (MPsi)	E(MPa) (MPsi)
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