

SOIL AND ROCK TEST RESULTS

PROJECT: 8.2663501 B-3623

SHEET 16 OF 22

COUNTY: CABARRUS

SITE DESCRIPTION: BRIDGE No. 176 OVER REEDY CREEK ON SR 1136

SOIL SAMPLE DATA

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS	N	L.L.	P.I.	% BY WEIGHT				% PASSING SIEVES		
								C. SAND	F. SAND	SILT	CLAY	10	40	200
SS-14	15.0 LT.	17+45.00 (EB1-A)	0.00-1.50	A-6(6)	5	36	18	30.2	22.8	16.3	30.8	100	84	51
SS-15	15.0 LT.	17+45.00 (EB1-A)	3.50-5.00	A-7-5(14)	12	52	22	23.6	16.2	25.7	34.5	100	83	65
SS-16	15.0 LT.	17+45.00 (EB1-A)	13.50-15.00	A-1-b(0)	36	26	3	56.5	22.8	13.5	7.1	73	40	18
SS-17	15.0 LT.	17+45.00 (EB1-A)	18.50-20.00	A-4(4)	33	37	7	14.8	28.4	48.6	8.1	93	85	62
SS-18	15.0 LT.	17+45.00 (EB1-A)	23.50-25.00	A-7-5(53)	15	84	52	4.1	8.5	38.7	48.7	97	94	88
SS-19	15.0 RT.	17+45.00 (EB1-B)	0.00-1.50	A-6(7)	4	37	16	29.0	16.9	21.6	32.5	100	83	57
SS-20	15.0 RT.	17+45.00 (EB1-B)	8.50-10.00	A-4(4)	44	29	9	4.5	40.4	30.8	24.4	100	99	63
SS-22	15.0 LT.	18+05.00 (B1-A)	3.50-5.00	A-1-b(0)	4	26	4	52.0	23.1	14.7	10.2	54	32	16
SS-23	15.0 LT.	18+05.00 (B1-A)	8.50-10.00	A-3(0)	4	25	NP	45.6	44.1	5.3	5.1	72	57	10
SS-24	15.0 LT.	18+05.00 (B1-A)	13.50-14.40	A-2-4(0)	100	30	4	47.1	27.4	21.4	4.1	100	66	32
SS-21	15.0 RT.	18+05.00 (B1-B)	3.50-5.00	A-6(8)	5	36	11	6.1	26.2	35.2	32.5	100	98	74
SS-11	18.0 LT.	18+70.00 (B2-A)	8.50-10.00	A-2-4(0)	21	21	2	39.1	36.1	13.5	11.3	100	73	30
SS-12	15.0 RT.	18+70.00 (B2-B)	3.50-5.00	A-4(0)	5	24	6	15.6	38.2	27.8	18.5	87	83	45
SS-13	15.0 RT.	18+70.00 (B2-B)	13.50-14.20	A-4(0)	100	23	NP	25.6	40.6	29.6	4.1	83	70	36
SS-5	15.0 LT.	19+30.00 (EB2-A)	3.50-5.00	A-6(3)	5	35	14	15.2	17.6	32.3	34.9	66	62	47
SS-6	15.0 LT.	19+30.00 (EB2-A)	13.50-15.00	A-2-4(0)	70	22	NP	55.5	26.5	13.9	4.1	100	61	22
SS-1	15.0 RT.	19+30.00 (EB2-B)	0.00-1.50	A-7-5(29)	7	57	26	4.5	4.9	39.3	51.3	100	98	92
SS-2	15.0 RT.	19+30.00 (EB2-B)	3.50-5.00	A-7-5(15)	1	48	18	7.8	19.5	39.9	32.8	100	98	76
SS-3	15.0 RT.	19+30.00 (EB2-B)	8.50-10.00	A-1-b(0)	4	21	NP	63.0	30.6	2.4	4.1	47	34	4
SS-4	15.0 RT.	19+30.00 (EB2-B)	13.50-14.60	A-2-4(0)	100	20	NP	58.6	23.3	11.0	7.2	100	60	22

ROCK SAMPLE DATA

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	RQD %	UNIT WT	Q(MPa) (MPsi)	E(Mpa) (MPsi)
RS-1	15.0 LT.	18+05.00 (B1-A)	28.48-29.33	99%	CURRENTLY BEING TESTED		
RS-2	15.0 RT.	18+05.00 (B1-B)	15.5-16.5	94%	CURRENTLY BEING TESTED		
RS-3	18.0 LT.	18+70.00 (B2-A)	11.2-11.8	16%	CURRENTLY BEING TESTED		
RS-4	18.0 LT.	18+70.00 (B2-A)	25.47-26.47	100%	CURRENTLY BEING TESTED		
RS-5	18.0 LT.	18+70.00 (B2-A)	35.25-35.95	100%	CURRENTLY BEING TESTED		

SHELBY TUBE DATA

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS	N	L.L.	P.I.	% BY WEIGHT				% PASSING SIEVES	MOISTURE CONTENT	UNIT (d) WEIGHT	VOID RATIO		
								C. SAND	F. SAND	SILT	CLAY						
ST-1	15.0 RT.	19+30.00 (EB2-B)	1.5-3.5	A-6(16)		39	17	1.8	15.8	41.7	40.6	100	99	90	32.31	116.52	0.9597
ST-2	15.0 RT.	19+30.00 (EB2-B)	1.5-3.5	A-7-6(19)		42	19	1.0	13.1	45.7	40.2	99	99	92	32.9	112.41	1.0125