

Table 1
Consolidation Test Data
I-70 Interchange for New MRB
TSi Project No. 2008604.01
10/29/2009

Structure	Boring	Depth (ft)	Soil Type		Pc (tsf)	Po (tsf)	OCR	Cc	Cr	Cv (log t) (in ² /min)	Cv (sqrt t) (in ² /min)	Qu (tsf)	TV (tsf)	e _o
			LL/PL	USCS										
A6871	B-36	7.0 - 9.5	35/22	CL	3.38	1.11	3.05	0.141	0.045	0.223	0.148	*0.63	0.33	0.830
A6871	B-36	14.5-17.0	31/21	CL	7.20	2.00	3.59	0.250	0.017	0.569	0.523	*2.00	0.42	0.751
A6871	B-36	34.5-37	31/18	CL	4.46	4.46	1.00	0.190	0.020	0.323	0.181	*0.75	0.47	0.691
A6871	6871-3	10.0	65/35	CH	4.82	1.33	3.62	0.333	0.033	0.027	0.035	0.90	0.62	0.718
A6871	6871-3	20-22.5	33/19	CL	7.10	2.40	2.96	0.160	0.015	0.590	0.230	*2.00	0.86	0.689
A6871	6871-3	32.5-35.0	12/NP	SC	3.20	3.20	1.00	0.093	0.009	0.490	0.260	*1.25	0.51	0.604
A6871	6873-4	10.0	43/24	CL	8.90	1.18	7.54	0.230	0.023	0.017	0.160	1.60	1.40	0.818
A6871	6873-4	15.0	36/24	CL	4.53	1.77	2.56	0.252	0.025	0.470	0.210	*1.6	0.42	0.821
A6871	6873-4	17.5	24/23	ML	3.65	2.07	1.76	0.240	0.024	0.630	0.270	*0.65	0.35	0.847
A6871	6873-4	22.5-25.0	83/28	CH	7.02	2.90	2.42	0.558	0.056	0.016	0.018	0.70	0.63	1.254
A6871	6873-4	25-27.5	--	CH	4.07	3.15	1.29	0.798	0.080	0.012	0.010	*0.6	0.50	1.742
A6871	6873-4	28.9-32.5	96/36	CH	3.60	3.45	1.04	0.140	0.014	0.022	0.012	*0.75	0.60	0.719
A6871	6873-4	32.5	--	CL	12.60	3.77	3.34	0.130	0.013	0.660	0.380	*4.5	0.77	0.576
A6861	S-24	14.5-17.0	--	CL	4.35	1.97	2.21	0.231	0.034	0.448	0.420	*0.5	0.50	0.851
A6861	S-24	34.5-37.0	--	CL	4.85	4.51	1.07	0.179	0.018	0.210	0.100	*0.5	0.35	0.613
A6852	S-33	5.0-7.5	--	CL	9.50	0.83	11.40	0.440	0.022	0.014	0.025	*1.5	0.65	1.107
A6852	S-33	20.0-22.5	--	CL	5.00	2.74	1.82	0.074	0.018	0.460	0.430	*0.75	0.14	0.642
A6852	S-33	30.0-32.5	--	CL	4.00	3.97	1.01	0.207	0.020	0.100	0.150	*0.8	0.40	0.711
A6852	S-33	35.0-38.8	44/16	CL	4.97	4.69	1.06	0.265	0.035	0.020	0.070	*2.0	0.80	0.720
A6852	S-7	20.0-22.0	--	ML	5.51	2.82	1.96	0.067	0.011	1.520	0.900	*1.25	0.20	0.624
A6417	S-30	20.0-22.5	--	CL	2.85	2.75	1.04	0.138	0.014	0.140	0.300	*0.75	0.40	0.647
A6417	S-30	25.0-27.5	--	CL	6.17	3.38	1.83	0.208	0.023	0.040	0.080	*1.00	0.60	0.627
A6417	S-30	30.0-32.5	--	CL	4.52	4.01	1.13	0.080	0.010	0.800	1.000	*0.75	0.15	0.596
A6417	S-26	15.0-17.5	--	CL	4.97	2.24	2.22	0.181	0.020	0.500	0.750	*0.75	0.42	0.583

* Hand Penetrometer Results