

**Table A2.** Summarization of undrained shear strength, sliding depth, strong motions

Case No.	Site location	$(N_1)_{60}$	$F_c$	$\Delta N$	$(N_1)_{60-cs}$	Undrained shear strength (kPa)			Depth of sliding (m)	Vertical effective stress (kPa)	The yield acceleration (g)		
						Idriss and Boulanger (2015)	Kramer and Wang (2015)	Olson and Johnson (2008)			Idriss and Boulanger (2015)	Kramer and Wang (2015)	Olson and Johnson (2008)
1	Juvenile hall	6.9	35%	2.8	9.7	8.25	8.02	7.04	6.39	85.86	0.08	0.076	0.072
2	Heber Road	1.0	20%	1.67	2.7	2.85	3.69	2.32	5.21	61.97	0.006	0.021	0.004
3	Whiskey Springs	13.0	22%	1.8	14.8	22.22	16.78	13.69	5.78	107.41	0.16	0.095	0.07
4	Wildlife Site	10.3	30%	2.4	12.7	6.76	9.52	6.61	4.95	61.65	0.03	0.07	0.028
5	Moss Landing Bldg4	10.0	5%	0.5	10.5	6.66	9.39	6.69	5.15	63.73	0.007	0.08	0.007
6	Moss Landing Bldg3	10.0	1%	0.1	10.1	8.40	10.84	8.82	8.41	84.03	0.013	0.056	0.017
7	MLML eastward (A-A)	14.6	4%	0.4	15.0	15.58	15.97	10.03	5.87	71.87	0.159	0.175	0.095

8	MLML eastward (B-B)	14.6	4%	0.4	15.0	30.13	22.81	19.51	8.06	139.86	0.24	0.19	0.165
9	Leonardini Farm	4.3	8%	0.8	5.1	1.80	3.60	1.87	2.87	29.97	0.15	0.20	0.15
10	Treasure island	10.0	10%	1.0	11.0	4.87	7.79	4.62	4.34	43.99	0.055	0.095	0.05
11	Rudbanch town canal	8.63	4.6%	0.46	9.1	20.92	16.30	22.03	15.02	232.52	0.036	0.02	0.036
12	Balboa Blvd	17.0	52%	4.0	21.0	20.45	N.A.	N.A.	9.62	109.12	0.19	N.A.	N.A.
13	Wynne Ave	11.6	33%	2.64	14.2	22.79	15.74	14.54	8.12	124.28	0.152	0.11	0.10
14	Wufeng Site C (A- A)	3.5	25.5%	3.04	6.5	5.55	5.45	4.51	10.41	80.18	0.09	0.09	0.08
15	Wufeng Site C (B- B)	3.5	22%	1.8	5.3	4.96	5.47	4.55	9.35	80.81	0.13	0.14	0.12
16	Wufeng Site C1	14.5	22%	1.8	16.3	10.59	16.36	10.65	5.60	76.79	0.105	0.17	0.105
17	Wufeng Site B	10	22%	1.8	11.8	6.99	9.68	7.10	6.15	67.64	0.05	0.1	0.05
18	Wufeng Site M	11.5	12%	1.13	12.6	8.21	10.59	6.96	4.50	59.83	0.075	0.09	0.05
19	Nantou	9	16.45%	1.43	10.4	2.87	5.89	2.98	2.68	30.59	0.057	0.12	0.06

	Site N												
20	Hotel Sapanca	13.4	6.2%	0.62	14.1	5.31	4.74	4.68	3.43	35.77	0.06	0.045	0.04
21	Police Station	5	24.55%	1.97	7.0	2.15	3.86	2.50	2.82	29.73	0.006	0.08	0.02
22	Soccer Field	7	34%	2.72	9.7	3.04	5.06	3.59	3.66	43.48	0.126	0.17	0.135
23	Yalova Harbor	14.53	20.8%	1.72	16.3	11.28	16.99	11.40	7.76	82.03	0.08	0.16	0.083

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