

Dynamic Cone Penetrometer Data Sheet

Work Order
Project

6782-00(A)
Rehabilitation of Pali Highway
Waokanaka St. to Kamehameha Hwy.
Honolulu to Kaneohe, Oahu, Hawaii

Date: 10/7/13
Location: B-1
Logger: Steve Latronic
Hammer Weight: 17.6 lbs

<u>Depth (inches)</u>	<u># of Blows</u>	<u>Depth (inches)</u>	<u># of Blows</u>
0	_____		
1	_____	37	
2	_____	38	_____
3	_____	39	_____
4	_____	40	_____
5	_____	41	_____
6	_____	42	_____
7	_____	43	_____
8	_____	44	_____
9	_____	45	_____
10	_____	46	_____
11	_____	47	_____
12	_____	48	_____
13	_____	49	_____
14	_____	50	_____
15	_____	51	_____
16	_____	52	_____
17	_____	53	_____
18	_____	54	_____
19	_____	55	_____
20	_____	56	_____
21	_____	57	_____
22	_____	58	_____
23	_____	59	_____
24	6	60	_____
25	6	61	_____
26	10	62	_____
27	10/0" REF.	63	_____
28	_____	64	_____
29	_____	65	_____
30	_____	66	_____
31	_____	67	_____
32	_____	68	_____
33	_____	69	_____
34	_____	70	_____
35	_____	71	_____
36	_____	72	_____

Dynamic Cone Penetrometer Data Sheet

Work Order
Project

6782-00(A)
Rehabilitation of Pali Highway
Waokanaka St. to Kamehameha Hwy.
Honolulu to Kaneohe, Oahu, Hawaii

Date: 10/8/13
Location: B-2
Logger: Steve Latronic
Hammer Weight: 17.6 lbs

<u>Depth (inches)</u>	<u># of Blows</u>	<u>Depth (inches)</u>	<u># of Blows</u>
24			
25		61	2
26		62	1
27		63	2
28		64	1
29		65	3
30		66	5
31		67	7
32		68	8
33		69	7
34		70	5
35		71	3
36		72	5
37		73	3
38		74	4
39		75	8
40		76	15
41		77	
42		78	
43		79	
44		80	
45		81	
46		82	
47	4	83	
48	5	84	
49	2	85	
50	2	86	
51	2	87	
52	3	88	
53	3	89	
54	2	90	
55	2	91	
56	1	92	
57	1	93	
58	1	94	
59	2	95	
60	1	96	

Dynamic Cone Penetrometer Data Sheet

Work Order
Project

6782-00(A)
Rehabilitation of Pali Highway
Waokanaka St. to Kamehameha Hwy.
Honolulu to Kaneohe, Oahu, Hawaii

Date: 10/9/13
Location: B-5
Logger: Steve Latronic
Hammer Weight: 17.6 lbs

<u>Depth (inches)</u>	<u># of Blows</u>	<u>Depth (inches)</u>	<u># of Blows</u>
0			
1		37	1
2		38	1
3		39	1
4		40	1
5		41	1
6		42	1
7		43	1
8		44	1
9		45	2
10		46	1
11		47	1
12		48	2
13		49	1
14		50	2
15		51	1
16		52	2
17		53	1
18		54	2
19		55	1
20		56	2
21		57	1
22		58	2
23		59	2
24		60	2
25		61	
26		62	
27		63	
28		64	
29		65	
30		66	
31		67	
32		68	
33		69	
34	1	70	
35	1	71	
36	1	72	

Dynamic Cone Penetrometer Data Sheet

Work Order
Project

6782-00(A)
Rehabilitation of Pali Highway
Waokanaka St. to Kamehameha Hwy.
Honolulu to Kaneohe, Oahu, Hawaii

Date: 10/10/13
Location: B-6
Logger: Steve Latronic
Hammer Weight: 17.6 lbs

<u>Depth (inches)</u>	<u># of Blows</u>	<u>Depth (inches)</u>	<u># of Blows</u>
48	1		
49	4	85	1
50	3	86	1
51	2	87	1
52	1	88	1
53	1	89	1
54	1	90	1
55	1	91	1
56	1	92	1
57	1	93	1
58	1	94	1
59	1	95	1
60	1	96	1
61	1	97	1
62	2	98	1
63	1	99	1
64	1	100	1
65	1	101	1
66	1	102	1
67	1	103	1
68	1	104	2
69	1	105	1
70	1	106	2
71	1	107	2
72	1	108	2
73	1	109	
74	1	110	
75	1	111	
76	1	112	
77	1	113	
78	1	114	
79	1	115	
80	1	116	
81	1	117	
82	1	118	
83	1	119	
84	1	120	

Dynamic Cone Penetrometer Data Sheet

Work Order
Project

6782-00(A)
Rehabilitation of Pali Highway
Waokanaka St. to Kamehameha Hwy.
Honolulu to Kaneohe, Oahu, Hawaii

Date: 10/11/13
Location: B-7
Logger: Steve Latronic
Hammer Weight: 17.6 lbs

<u>Depth (inches)</u>	<u># of Blows</u>	<u>Depth (inches)</u>	<u># of Blows</u>
0			
1		37	1
2		38	1
3		39	2
4		40	3
5		41	5
6		42	6
7		43	5
8		44	5
9		45	5
10		46	3
11		47	5
12		48	4
13		49	6
14		50	6
15		51	6
16		52	6
17		53	7
18		54	8
19		55	11
20		56	8
21		57	6
22		58	6
23		59	5
24		60	6
25		61	
26		62	
27		63	
28		64	
29		65	
30		66	
31		67	
32	5	68	
33	12	69	
34	9	70	
35	6	71	
36	2	72	

Dynamic Cone Penetrometer Data Sheet

Work Order
Project

6782-00(A)
Rehabilitation of Pali Highway
Waokanaka St. to Kamehameha Hwy.
Honolulu to Kaneohe, Oahu, Hawaii

Date: 10/15/13
Location: B-8
Logger: Steve Latronic
Hammer Weight: 17.6 lbs

<u>Depth (inches)</u>	<u># of Blows</u>	<u>Depth (inches)</u>	<u># of Blows</u>
0	_____		
1	_____	37	_____
2	_____	38	_____
3	_____	39	_____
4	_____	40	_____
5	_____	41	_____
6	_____	42	_____
7	_____	43	_____
8	_____	44	_____
9	_____	45	1
10	_____	46	2
11	_____	47	2
12	_____	48	1
13	_____	49	2
14	_____	50	1
15	_____	51	3
16	_____	52	1
17	_____	53	2
18	_____	54	5
19	_____	55	9
20	_____	56	4
21	_____	57	4
22	_____	58	4
23	_____	59	4
24	_____	60	3
25	_____	61	2
26	_____	62	2
27	_____	63	1
28	_____	64	2
29	_____	65	3
30	_____	66	20
31	_____	67	10/0" REF.
32	_____	68	_____
33	_____	69	_____
34	_____	70	_____
35	_____	71	_____
36	_____	72	_____

Dynamic Cone Penetrometer Data Sheet

Work Order
Project

6782-00(A)
Rehabilitation of Pali Highway
Waokanaka St. to Kamehameha Hwy.
Honolulu to Kaneohe, Oahu, Hawaii

Date: 10/16/13
Location: B-9
Logger: Steve Latronic
Hammer Weight: 17.6 lbs

<u>Depth (inches)</u>	<u># of Blows</u>	<u>Depth (inches)</u>	<u># of Blows</u>
24	1	61	3
25	1	62	2
26	1	63	2
27	1	64	1
28	2	65	2
29	1	66	1
30	1	67	2
31	1	68	1
32	1	69	2
33	1	70	1
34	2	71	2
35	1	72	1
36	1	73	1
37	1	74	2
38	1	75	1
39	1	76	1
40	2	77	1
41	1	78	1
42	1	79	1
43	2	80	1
44	1	81	1
45	1	82	1
46	1	83	1
47	2	84	1
48	1	85	2
49	2	86	1
50	1	87	1
51	2	88	1
52	2	89	2
53	2	90	2
54	3	91	2
55	2	92	2
56	2	93	1
57	2	94	2
58	2	95	1
59	2	96	2
60	2		

Dynamic Cone Penetrometer Data Sheet

Work Order
Project

6782-00(A)
Rehabilitation of Pali Highway
Waokanaka St. to Kamehameha Hwy.
Honolulu to Kaneohe, Oahu, Hawaii

Date: 10/16/13
Location: B-10
Logger: Steve Latronic
Hammer Weight: 17.6 lbs

<u>Depth (inches)</u>	<u># of Blows</u>	<u>Depth (inches)</u>	<u># of Blows</u>
0			
1		37	1
2		38	1
3		39	1
4		40	2
5		41	1
6		42	2
7		43	1
8		44	2
9		45	1
10		46	1
11		47	1
12		48	2
13		49	1
14		50	1
15		51	2
16		52	1
17		53	2
18		54	1
19		55	2
20		56	1
21	1	57	3
22	1	58	2
23	1	59	2
24	1	60	2
25	1	61	3
26	1	62	2
27	2	63	3
28	1	64	2
29	1	65	2
30	2	66	3
31	1	67	3
32	2	68	3
33	3	69	2
34	3	70	3
35	3	71	3
36	2	72	3

Dynamic Cone Penetrometer Data Sheet

Work Order
Project

6782-00(A)
Rehabilitation of Pali Highway
Waokanaka St. to Kamehameha Hwy.
Honolulu to Kaneohe, Oahu, Hawaii

Date: 10/17/13
Location: B-11
Logger: Steve Latronic
Hammer Weight: 17.6 lbs

<u>Depth (inches)</u>	<u># of Blows</u>	<u>Depth (inches)</u>	<u># of Blows</u>
24			
25		61	2
26		62	1
27		63	2
28		64	4
29		65	2
30		66	3
31		67	2
32		68	3
33		69	3
34		70	2
35	1	71	3
36	1	72	2
37	1	73	2
38	1	74	1
39	1	75	2
40	1	76	2
41	1	77	2
42	1	78	3
43	2	79	3
44	1	80	2
45	1	81	2
46	1	82	3
47	2	83	3
48	1	84	3
49	1	85	2
50	1	86	2
51	1	87	3
52	1	88	2
53	2	89	3
54	1	90	2
55	2	91	3
56	1	92	3
57	1	93	2
58	1	94	3
59	2	95	2
60	1	96	3

Dynamic Cone Penetrometer Data Sheet

Work Order	6782-00(A)	Date: 10/22/13
Project	Rehabilitation of Pali Highway	Location: B-14
	Waokanaka St. to Kamehameha Hwy.	Logger: Steve Latronic
	Honolulu to Kaneohe, Oahu, Hawaii	Hammer Weight: 17.6 lbs

<u>Depth (inches)</u>	<u># of Blows</u>	<u>Depth (inches)</u>	<u># of Blows</u>
24			
25		61	1
26		62	1
27		63	1
28		64	1
29		65	1
30		66	1
31		67	1
32		68	1
33		69	1
34		70	1
35		71	1
36		72	1
37		73	1
38		74	1
39		75	1
40		76	1
41		77	1
42		78	1
43		79	1
44		80	1
45		81	1
46		82	1
47		83	1
48		84	1
49		85	1
50		86	1
51	1	87	1
52	2	88	1
53	3	89	1
54	1	90	1
55	1	91	1
56	1	92	1
57	2	93	1
58	1	94	1
59	2	95	1
60	1	96	1

Dynamic Cone Penetrometer Data Sheet

Work Order
Project

6782-00(A)
Rehabilitation of Pali Highway
Waokanaka St. to Kamehameha Hwy.
Honolulu to Kaneohe, Oahu, Hawaii

Date: 10/21/13
Location: B-15
Logger: Steve Latronic
Hammer Weight: 17.6 lbs

<u>Depth (inches)</u>	<u># of Blows</u>	<u>Depth (inches)</u>	<u># of Blows</u>
24			
25		61	1
26		62	1
27		63	2
28		64	1
29		65	1
30		66	1
31		67	1
32		68	1
33		69	1
34		70	1
35		71	2
36		72	2
37		73	2
38		74	1
39		75	2
40		76	1
41		77	2
42		78	2
43		79	2
44		80	2
45		81	1
46		82	2
47		83	1
48	1	84	2
49	1	85	2
50	1	86	2
51	1	87	1
52	1	88	2
53	1	89	2
54	1	90	2
55	1	91	1
56	1	92	2
57	1	93	1
58	1	94	2
59	1	95	2
60	1	96	1

Dynamic Cone Penetrometer Data Sheet

Work Order
Project

6782-00(A)
Rehabilitation of Pali Highway
Waokanaka St. to Kamehameha Hwy.
Honolulu to Kaneohe, Oahu, Hawaii

Date: 10/22/13
Location: B-16
Logger: Steve Latronic
Hammer Weight: 17.6 lbs

<u>Depth (inches)</u>	<u># of Blows</u>	<u>Depth (inches)</u>	<u># of Blows</u>
24			
25		61	1
26		62	2
27		63	1
28		64	2
29		65	1
30		66	2
31		67	2
32		68	1
33		69	1
34		70	2
35		71	1
36		72	1
37		73	1
38		74	1
39		75	1
40		76	2
41		77	1
42		78	2
43		79	1
44		80	2
45		81	7
46		82	6
47		83	8
48	3	84	6
49	4	85	3
50	3	86	2
51	2	87	1
52	1	88	1
53	1	89	1
54	1	90	1
55	1	91	2
56	1	92	2
57	1	93	2
58	1	94	2
59	1	95	1
60	2	96	2

Dynamic Cone Penetrometer Data Sheet

Work Order
Project

6782-00(A)
Rehabilitation of Pali Highway
Waokanaka St. to Kamehameha Hwy.
Honolulu to Kaneohe, Oahu, Hawaii

Date: 10/25/13
Location: B-19
Logger: Steve Latronic
Hammer Weight: 17.6 lbs

<u>Depth (inches)</u>	<u># of Blows</u>	<u>Depth (inches)</u>	<u># of Blows</u>
24			
25		61	2
26		62	1
27		63	1
28		64	1
29		65	1
30		66	2
31		67	1
32		68	1
33		69	1
34		70	2
35		71	1
36		72	1
37		73	1
38		74	1
39		75	1
40		76	2
41		77	1
42		78	2
43		79	1
44		80	1
45		81	2
46		82	1
47	3	83	1
48	3	84	2
49	6	85	1
50	4	86	2
51	4	87	1
52	2	88	1
53	2	89	1
54	5	90	2
55	5	91	1
56	4	92	2
57	2	93	2
58	2	94	1
59	1	95	2
60	2	96	9

Dynamic Cone Penetrometer Data Sheet

Work Order
Project

6782-00(A)
Rehabilitation of Pali Highway
Waokanaka St. to Kamehameha Hwy.
Honolulu to Kaneohe, Oahu, Hawaii

Date: 10/25/13
Location: B-20
Logger: Steve Latronic
Hammer Weight: 17.6 lbs

<u>Depth (inches)</u>	<u># of Blows</u>	<u>Depth (inches)</u>	<u># of Blows</u>
24			
25		61	1
26		62	1
27		63	1
28		64	1
29		65	2
30		66	1
31		67	1
32		68	3
33		69	3
34		70	3
35		71	2
36		72	2
37		73	3
38		74	2
39		75	3
40		76	2
41		77	3
42		78	2
43		79	2
44		80	2
45		81	2
46		82	2
47		83	3
48		84	4
49		85	3
50		86	3
51		87	3
52		88	3
53		89	2
54	1	90	3
55	1	91	3
56	1	92	2
57	1	93	3
58	1	94	3
59	3	95	3
60	1	96	2

Dynamic Cone Penetrometer Data Sheet

Work Order
Project

6782-00(A)
Rehabilitation of Pali Highway
Waokanaka St. to Kamehameha Hwy.
Honolulu to Kaneohe, Oahu, Hawaii

Date: 10/18/13
Location: C-14
Logger: Steve Latronic
Hammer Weight: 17.6 lbs

<u>Depth (inches)</u>	<u># of Blows</u>	<u>Depth (inches)</u>	<u># of Blows</u>
24			
25		61	1
26		62	1
27		63	1
28		64	1
29		65	1
30		66	1
31		67	1
32		68	1
33		69	1
34		70	1
35		71	1
36		72	1
37		73	1
38		74	1
39		75	1
40		76	1
41		77	1
42		78	1
43		79	1
44		80	1
45		81	1
46		82	1
47		83	1
48		84	1
49		85	1
50		86	1
51		87	1
52		88	1
53		89	1
54		90	1
55	1	91	1
56	1	92	1
57	1	93	1
58	1	94	1
59	1	95	1
60	1	96	1

Dynamic Cone Penetrometer Data Sheet

Work Order
Project

6782-00(A)
Rehabilitation of Pali Highway
Waokanaka St. to Kamehameha Hwy.
Honolulu to Kaneohe, Oahu, Hawaii

Date: 10/22/13
Location: C-16
Logger: Steve Latronic
Hammer Weight: 17.6 lbs

<u>Depth (inches)</u>	<u># of Blows</u>	<u>Depth (inches)</u>	<u># of Blows</u>
24			
25		61	2
26		62	1
27		63	1
28		64	1
29		65	1
30		66	1
31		67	1
32		68	1
33		69	1
34		70	1
35		71	1
36		72	1
37		73	1
38		74	1
39		75	1
40		76	1
41		77	1
42		78	1
43		79	1
44		80	1
45		81	1
46	7	82	1
47	10	83	1
48	7	84	1
49	5	85	1
50	8	86	1
51	5	87	1
52	5	88	1
53	4	89	1
54	5	90	1
55	4	91	1
56	2	92	1
57	1	93	1
58	2	94	1
59	1	95	1
60	2	96	1

Dynamic Cone Penetrometer Data Sheet

Work Order
Project

6782-00(A)
Rehabilitation of Pali Highway
Waokanaka St. to Kamehameha Hwy.
Honolulu to Kaneohe, Oahu, Hawaii

Date: 10/24/13
Location: C-18
Logger: Steve Latronic
Hammer Weight: 17.6 lbs

<u>Depth (inches)</u>	<u># of Blows</u>	<u>Depth (inches)</u>	<u># of Blows</u>
24			
25		61	2
26		62	1
27		63	2
28		64	1
29		65	1
30		66	1
31		67	1
32		68	4
33		69	4
34		70	3
35		71	4
36		72	4
37		73	5
38		74	5
39		75	6
40		76	4
41		77	4
42		78	3
43		79	4
44		80	3
45		81	4
46	2	82	4
47	8	83	4
48	5	84	4
49	3	85	5
50	2	86	5
51	2	87	3
52	2	88	5
53	1	89	3
54	2	90	4
55	2	91	3
56	1	92	3
57	2	93	4
58	2	94	4
59	2	95	3
60	1	96	4

Dynamic Cone Penetrometer Data Sheet

Work Order
Project

6782-00(A)
Rehabilitation of Pali Highway
Waokanaka St. to Kamehameha Hwy.
Honolulu to Kaneohe, Oahu, Hawaii

Date: 10/23/13
Location: C-19
Logger: Steve Latronic
Hammer Weight: 17.6 lbs

<u>Depth (inches)</u>	<u># of Blows</u>	<u>Depth (inches)</u>	<u># of Blows</u>
24			
25		61	3
26		62	3
27		63	2
28		64	2
29		65	2
30		66	3
31		67	3
32		68	3
33		69	2
34		70	2
35		71	1
36		72	2
37		73	3
38		74	2
39		75	2
40		76	2
41		77	2
42		78	1
43		79	2
44		80	1
45		81	3
46		82	2
47	4	83	2
48	3	84	1
49	2	85	1
50	6	86	1
51	3	87	2
52	3	88	1
53	5	89	1
54	4	90	2
55	2	91	1
56	3	92	2
57	5	93	2
58	4	94	1
59	2	95	2
60	3	96	2

Dynamic Cone Penetrometer Data Sheet

Work Order
Project

6782-00(A)
Rehabilitation of Pali Highway
Waokanaka St. to Kamehameha Hwy.
Honolulu to Kaneohe, Oahu, Hawaii

Date: 10/25/13
Location: C-20
Logger: Steve Latronic
Hammer Weight: 17.6 lbs

<u>Depth (inches)</u>	<u># of Blows</u>	<u>Depth (inches)</u>	<u># of Blows</u>
24			
25		61	2
26		62	2
27		63	2
28		64	2
29		65	2
30		66	2
31		67	2
32		68	2
33		69	2
34		70	2
35		71	2
36		72	2
37		73	2
38		74	3
39		75	6
40		76	3
41		77	3
42		78	2
43		79	2
44		80	4
45		81	3
46		82	2
47		83	3
48		84	3
49		85	3
50	2	86	4
51	2	87	4
52	2	88	3
53	2	89	3
54	2	90	3
55	2	91	3
56	1	92	6
57	2	93	4
58	1	94	4
59	2	95	4
60	2	96	3

Dynamic Cone Penetrometer Data Sheet

Work Order
Project

6782-00(A)
Rehabilitation of Pali Highway
Waokanaka St. to Kamehameha Hwy.
Honolulu to Kaneohe, Oahu, Hawaii

Date: 10/23/13
Location: C-28
Logger: Steve Latronic
Hammer Weight: 17.6 lbs

<u>Depth (inches)</u>	<u># of Blows</u>	<u>Depth (inches)</u>	<u># of Blows</u>
24			
25		61	2
26		62	3
27		63	2
28		64	3
29		65	3
30		66	4
31		67	5
32		68	11
33		69	8
34		70	4
35		71	4
36		72	4
37		73	4
38		74	4
39		75	4
40		76	5
41		77	5
42		78	7
43		79	7
44		80	5
45		81	4
46	1	82	5
47	1	83	4
48	2	84	9
49	5	85	5
50	3	86	6
51	12	87	6
52	23	88	6
53	5	89	5
54	2	90	13
55	3	91	13
56	1	92	8
57	2	93	6
58	2	94	4
59	1	95	5
60	2	96	5

W.O. 6782-00(A)

GEOLABS, INC.
Hawaii • California

PLATE B-20

Dynamic Cone Penetrometer Data Sheet

Work Order	6782-00(A)	Date: 10/24/13
Project	Rehabilitation of Pali Highway	Location: C-24
	Waokanaka St. to Kamehameha Hwy.	Logger: Steve Latronic
	Honolulu to Kaneohe, Oahu, Hawaii	Hammer Weight: 17.6 lbs

<u>Depth (inches)</u>	<u># of Blows</u>	<u>Depth (inches)</u>	<u># of Blows</u>
24			
25		61	2
26		62	3
27		63	2
28		64	3
29		65	3
30		66	3
31		67	4
32		68	3
33		69	5
34		70	4
35		71	4
36		72	5
37		73	4
38		74	4
39		75	5
40		76	5
41		77	6
42		78	5
43		79	6
44		80	5
45		81	8
46		82	6
47		83	8
48	1	84	8
49	10	85	7
50	3	86	9
51	1	87	10
52	3	88	11
53	8	89	10
54	4	90	9
55	3	91	10
56	2	92	9
57	2	93	11
58	3	94	10
59	2	95	10
60	3	96	10