

SURVEY PLOTTED BY

DATE

DRAWN BY

DESIGNED BY

NOTED BY

QUANTITIES BY

CHECKED BY

NO.

ORIGINAL PLAN

NO.

NOTED BY

QUANTITIES BY

SPALL REPAIR SCHEDULE		
Number	Size (SF)	Comments
001	17	
002	12	3 faces
003	17	
004	8	
005	15	
006	7	
007	3	
008	21	
009	4	
010	14	
011	6	
012	3	2 faces
013	7	
014	5	
015	3	
016	21	
017	12	3 faces
018	22	
019	4	
020	6	
021	9	2 faces
022	7	
023	7	
024	3	
025	3	
026	3	
027	12	3 faces
028	21	
029	8	
030	9	2 faces
031	7	
032	7	
033	12	3 faces
034	21	
035	6	
036	6	
037	6	
038	11	
039	12	3 faces
040	12	
041	7	
042	3	
043	11	
044	12	3 faces
045	27	
046	24	
047	7	
048	3	
049	17	
050	12	3 faces
051	15	

SPALL REPAIR SCHEDULE		
Number	Size (SF)	Comments
052	10	
053	3	
054	3	vert face
055	12	3 faces
056	13	
057	5	
058	6	vert face
059	3	
060	6	3 faces
061	15	
062	7	
063	64	
064	26	
065	3	
066	19	
067	19	
068	10	
069	91	
070	10	
071	20	
072	99	
073	19	
074	43	
075	10	
076	4	
077	29	
078	120	conc curb
079	1	
080	12	
081	7	
082	4	
083	2	
084	2	
085	4	
086	8	
087	13	
088	146	
089	5	
090	120	conc curb
091	2	
092	2	
093	13	
094	8	
095	3	
096	3	
097	77	
098	34	
099	6	
100	12	
101	7	
102	2	

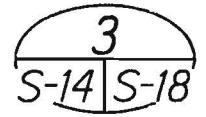
SPALL REPAIR SCHEDULE		
Number	Size (SF)	Comments
103	4	
104	8	
105	13	
106	56	
107	58	
108	4	
109	14	
110	12	
111	13	
112	8	
113	4	
114	2	
115	2	
116	4	
117	6	
118	54	
119	6	
120	33	
121	7	
122	2	
123	15	
124	11	
125	2	
126	4	
127	1	
128	26	
129	20	
130	30	
131	32	
132	18	
133	2	
134	4	
135	19	
136	32	
137	23	
138	7	
139	6	
140	23	
141	17	
142	5	
143	5	
144	13	
145	6	
146	6	
147	7	
148	7	
149	10	
150	14	
151	18	
152	3	
153	10	

SPALL REPAIR SCHEDULE		
Number	Size (SF)	Comments
154	3	
155	2	
156	14	
157	13	
158	11	
159	8	
160	3	
161	4	
162	3	
163	14	
164	1	
165	23	
166	15	
167	7	
168	6	
169	6	
170	4	
171	1	
172	5	
173	6	
174	1	
175	1	
176	2	
177	6	
178	5	
179	5	
180	4	
181	1	
182	5	
183	5	
184	3	
185	17	
186	5	
187	4	
188	1	
189	5	
190	5	
191	4	
192	4	
193	6	
194	2	
195	6	
196	2	
197	2	
198	5	
199	3	
200	3	
201	3	
202	4	
203	5	
204	3	

SPALL REPAIR SCHEDULE		
Number	Size (SF)	Comments
205	3	
206	2	
207	3	
208	4	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72B-01-13M	2013	17	34

REPAIR TOTALS		
Repair Type	Field Inspection Quantity (SF)	Bid Quantity (SF)
Spalls	2683	4400

- Notes:
- Use increased quantities for pricing.
 - For crack repairs, see detail .
 - Estimated Quantities. The quantities in the contract are approximate. The actual quantity of work may not correspond with the quantities shown in the contract. The Department will make payment to the Contractor for unit price items in accordance with the contract for only the following:
 - Actual quantities of work done and accepted, not the estimated quantities; or
 - Actual quantities of materials furnished, not the estimated quantities.The Department may increase, decrease, or omit each scheduled quantities of work to be done and materials to be furnished. When the Department increases or decreases the estimated quantity of a contract item by more than 15% the Department will make payment for such items in accordance with Subsection 104.06 - Method of Price Adjustment.
 - The repairs shown on structural drawings were based on a field survey performed in March 2012.

NORMAN K. NAGAMINE

LICENSED PROFESSIONAL ENGINEER

NO. 5479-S

HAWAII, U.S.A.

LICENSE EXPIRES: 4/30/14

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Norman K. Nagamine

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

SPALL REPAIR SCHEDULES

KALANIANA'OLE HIGHWAY

Emergency Repairs of Ihiihilauakea Bridge

Project No. 72B-01-13M

Scale: None

Date: Jan. 16, 2013

SHEET No. S-14 OF 26 SHEETS

17

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72B-01-13M	2013	175-1	34

Spall No.	Length (in)	Width (in)	Size (SQ in)	Size (SQ ft)
001	28	17	476	3.31
	26	26	676	4.69
	15	11	165	1.15
002	57	10	570	3.96
	57	10	570	3.96
	57	9	513	3.56
003	40	5	200	1.39
	34	6	204	1.42
	30	12	360	2.50
	37	18	666	4.63
	13	8	104	0.72
004	22	16	352	2.44
004A	48	24	1152	8.00
005	53	9	477	3.31
	8	53	424	2.94
	28	11	308	2.14
	26	8	208	1.44
005A	17.5	57	997.5	6.93
006	48	15	720	5.00
006A	13.5	57	769.5	5.34
007	13.5	57	769.5	5.34
008	20	20	400	2.78
	54	24	1296	9.00
009	57	10	570	3.96
	57	10	570	3.96
	57	9	513	3.56
010	22	25	550	3.82
010	19	6	114	0.79
	33	14	462	3.21
	22	6	132	0.92
010A	9	8	72	0.50
011	16	8	128	0.89
012	57	11	627	4.35
	57	11	627	4.35
	57	8	456	3.17
012A	22	1	22	0.15
	31	3	93	0.65
012A	17.5	57	997.5	6.93
013	43	15	645	4.48
014	14	33	462	3.21
	6	4	24	0.17
015	13.5	57	769.5	5.34
016	22	37	814	5.65
	53	9	477	3.31
	43	9	387	2.69
017	57	10	570	3.96
	57	10	570	3.96
	57	9	513	3.56
018	45	38	1710	11.88
018	64	7	448	3.11
	12	12	144	1.00
	12	19	228	1.58

Spall No.	Length (in)	Width (in)	Size (SQ in)	Size (SQ ft)
019	11	10	110	0.76
	5	3	15	0.10
020	22	13	286	1.99
	22	15	330	2.29
	22	8	176	1.22
021	57	10	570	3.96
	57	12	684	4.75
	57	8	456	3.17
021A	23	2	46	0.32
021A	17.5	57	997.5	6.93
022	55	16	880	6.11
023	15	30	450	3.13
	16	6	96	0.67
024	13.5	57	769.5	5.34
025	48	12	576	4.00
	16	13	208	1.44
026	13	6	78	0.54
027	57	10	570	3.96
	57	10	570	3.96
	57	9	513	3.56
028	21	27	567	3.94
	8	21	168	1.17
028	24	9	216	1.50
	24	12	288	2.00
029	28	17	476	3.31
	11	12	132	0.92
029	24	13	312	2.17
030	57	7	399	2.77
	57	7	399	2.77
	57	8	456	3.17
030A	17.5	57	997.5	6.93
031	26	15	390	2.71
031A	13.5	57	769.5	5.34
032	24	15	360	2.50
033	57	10	570	3.96
	57	10	570	3.96
	57	9	513	3.56
034	24	16	384	2.67
035	49	16	784	5.44
036	4	11	44	0.31
	33	16	528	3.67
036A	57	10	570	3.96
	57	10	570	3.96
	57	9	513	3.56
036B	13.5	57	769.5	5.34
037	36	10	360	2.50
037A	15	4	60	0.42
038	14	14	196	1.36
038A	23	15	345	2.40
039	57	10	570	3.96
	57	10	570	3.96
	57	9	513	3.56

AS BUILT DRAWINGS

This certifies that the dimensions and Details on these sheets reflect the Dimensions, details, and specifications As constructed in the field.

Certified by: Silvana Bury
Ideal Construction, Inc.

Signature: [Signature]
Date: _____

NOTE:

Defects are located on sheets S-5A, S-6A, S-7A, S-8A, S-9A, S-10A, S-11A, S-12A, & S-13A.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

FIELD OBSERVED (ADDITIONAL)

REPAIR SCHEDULES

KALANIANA'OLE HIGHWAY

Emergency Repairs of Ihiihilauakea Bridge

Project No. 72B-01-13M

Scale: None Date: Jan. 16, 2013

SHEET No. S-14A OF 26 SHEETS

SURVEY PLOTTED BY _____ DATE _____

DRAWN BY _____

DESIGNED BY _____

QUANTITIES BY _____

CHECKED BY _____

ORIGINAL PLAN _____

NOTES _____

NO _____

Spall No.	Length (in)	Width (in)	Size (SQ in)	Size (SQ ft)
040	12	18	216	1.50
	8	9	72	0.50
	16	15	240	1.67
040A	14	11	154	1.07
041	16	36	576	4.00
041A	13.5	57	769.5	5.34
042	15	72	1080	7.50
043	54	17	918	6.38
	22	13	286	1.99
	18	9	162	1.13
	20	30	600	4.17
044	57	10	570	3.96
	57	10	570	3.96
	57	9	513	3.56
045	30	28	840	5.83
045	18	16	288	2.00
	18	20	360	2.50
	18	21	378	2.63
046	21	45	945	6.56
	18	12	216	1.50
047	16	51	816	5.67
047A	13.5	57	769.5	5.34
048	13.5	57	769.5	5.34
049	17	9	153	1.06
	33	21	693	4.83
	5	8	40	0.28
050	57	10	570	3.96
	57	10	570	3.96
	57	9	513	3.56
051	53	46	2438	16.93
051A	24	9	216	1.50
	24	12	288	2.00
052	10	18	180	1.25
052	24	16	384	2.67
	32	10	320	2.22
	18	15	270	1.88
053	28	15	420	2.92
054	0	0	0	0.00
055	57	10	570	3.96
	57	10	570	3.96
	57	9	513	3.56
056	54	26	1404	9.75
	18	13	234	1.63
057	17	18	306	2.13
057	12	12	144	1.00
	27	16	432	3.00
057A	32	23	736	5.11
058	53	7	371	2.58
	13	5	59	0.27
	50	4	200	1.39
058	32	9	288	2.00
	19	13	247	1.72

AS-BUILT DRAWINGS

This certifies that the **dimensions and Details** on these sheets reflect the **Dimensions, details, and specifications** As constructed in the field.

by: Signature: Eric
Ideal Construction, Inc.

Signature: Signature: [Handwritten Signature]
Date: _____

Defects are located on sheets
S-5A, S-6A, S-7A, S-8A, S-9A,
S-10A, S-11A, S-12A, & S-13A.

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72B-01-13M	2013	175-3	34

Spall No.	Length (in)	Width (in)	Size (SQ in)	Size (SQ ft)
074	96	6	576	4.00
	96	25	2400	16.67
074	96	6	576	4.00
074	13	16	208	1.44
	19	19	361	2.51
	14	15	210	1.46
075	48	7	336	2.33
	21	12	252	1.75
	18	17	306	2.13
	8	21	168	1.17
076	96	5	480	3.33
076	20	16	320	2.22
	12	9	108	0.75
	20	6	120	0.83
	11	22	242	1.68
077	36	18	648	4.50
	78	7	546	3.79
077	36	92	3312	23.00
	80	9	720	5.00
078	18	780	14040	97.50
078A	7	30	210	1.46
	48	7	336	2.33
	8	40	320	2.22
	48	40	1920	13.33
079	19	4	76	0.53
	19	19	361	2.51
	19	12	228	1.58
080	78	10	780	5.42
	39	8	312	2.17
080	80	16	1280	8.89
081	57	16	912	6.33
	10	8	80	0.56
	10	10	100	0.69
	20	8	160	1.11
	10	6	60	0.42
	11	59	649	4.51
082	33	14	462	3.21
	42	11	462	3.21
	22	13	286	1.99
	15	28	420	2.92
083	0	0	0	0.00
084	5	13	65	0.45
	9	3	27	0.19
085	16	32	512	3.56
086	54	15	810	5.63
087	15	72	1080	7.50
088	96	23	2208	15.33
088	128	36	4608	32.00
088	120	12	1440	10.00
	47	46	2162	15.01
	8	23	184	1.28
088	60	33	1980	13.75

Spall No.	Length (in)	Width (in)	Size (SQ in)	Size (SQ ft)
088A	30	12	360	2.50
	36	65	2340	16.25
	20	30	600	4.17
	40	28	1120	7.78
088B	26	79	2054	14.26
088C	66	29	1914	13.29
	18	35	630	4.38
	36	33	1188	8.25
	45	9	405	2.81
088D	45	52	2340	16.25
089	0	0	0	0.00
089A	16	8	128	0.89
089B	16	3	48	0.33
089C	16	4	64	0.44
090	20	780	15600	108.33
090A	780	7	5460	37.92
091	18	8	144	1.00
	8	24	192	1.33
	18	24	432	3.00
	24	26	624	4.33
	5	17	85	0.59
092	8	20	160	1.11
	8	36	288	2.00
	30	19	570	3.96
093	120	15	1800	12.50
094	16	72	1152	8.00
095	19	15	285	1.98
096	15	12	180	1.25
097	96	22	2112	14.67
097	31	96	2976	20.67
097	131	38	4978	34.57
098	112	37	4144	28.78
099	0	0	0	0.00
099A	61	62	3782	26.26
	20	33	660	4.58
	37	27	999	6.91
099B	90	56	5040	35.00
099C	30	67	2010	13.96
	42	7	294	2.04
099D	88	56	4928	34.22
100	105	15	1575	10.94
101	51	15	765	5.31
102	15	10	150	1.04
103	15.5	25	387.5	2.69
104	56	16	896	6.22
105	94	15	1410	9.79
	15	4	60	0.42
106	96	28	2688	18.67
106	78	26	2028	14.08
	111	28	3108	21.58
107	96	7	672	4.67
	36	200	7200	50.00

AS-BUILT DRAWINGS

This certifies that the dimensions and details on these sheets reflect the dimensions, details, and specifications as constructed in the field.

Certified by: *Shawn Egan*
Ideal Construction, Inc.

Signature: *Jan. 16, 2013*
Date:

NOTE:

Defects are located on sheets S-5A, S-6A, S-7A, S-8A, S-9A, S-10A, S-11A, S-12A, & S-13A.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

FIELD OBSERVED (ADDITIONAL)
REPAIR SCHEDULES

KALANIANA'OLE HIGHWAY
Emergency Repairs of Ihiihilauea Bridge
Project No. 72B-01-13M

Scale: None Date: Jan. 16, 2013

SHEET No. S-14C OF 26 SHEETS

SURVEY PLOTTED BY _____ DATE _____

DRAWN BY _____

REVIEWED BY _____

NOTED BY _____

CHECKED BY _____

NO. _____

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAU.	72B-01-13M	2013	175-4	34

Spall No.	Length (in)	Width (in)	Size (SQ in)	Size (SQ ft)
108	71	62	4402	30.57
	37	16	592	4.11
	40	27	1080	7.50
109	68	57	3876	26.92
	33	9	297	2.06
110	0	0	0	0.00
111	15	117	1755	12.19
112	15.5	67	1038.5	7.21
113	15	32	480	3.33
114	9	8	72	0.50
115	15	8	120	0.83
116	32	7	224	1.56
116	16	20	320	2.22
117	16	38	608	4.22
118	33	7	231	1.60
	13	13	169	1.17
	12	19	228	1.58
	57	9	513	3.56
118	90	39	3510	24.38
	48	35	1680	11.67
	17	39	663	4.60
118	44	35	1540	10.69
119	0	0	0	0.00
119A	12	6	72	0.50
120	5	36	180	1.25
	23	33	759	5.2
	84	37	3108	21.58
121	8	9	72	0.50
	34	43	1462	10.15
121	54	17	918	6.38
	21	10	210	1.46
	37	13	481	3.34
	42	9	378	2.63
122	0	0	0	0.00
123	15	15	225	1.56
	38	30	1140	7.92
	25	27	675	4.69
123	38	79	3002	20.85
	39	8	312	2.17
123A	26	14	364	2.53
124	70	17	1190	8.26
125	128	9	1152	8.00
	39	19	741	5.15
126	18	16	288	2.00
	3	6	18	0.13
127	9	14	126	0.88
	9	6	54	0.38
	13	13	169	1.17
128	53	14	742	5.15
	14	10	140	0.97
128	72	4	288	2.00
	11	17	187	1.30

Spall No.	Length (in)	Width (in)	Size (SQ in)	Size (SQ ft)
129	110	10	1100	7.64
	27	10	270	1.88
130	24	36	864	6.00
	81	6	486	3.38
	48	7	336	2.33
130	20	5	100	0.69
	21	8	168	1.17
131	60	7	420	2.92
	55	8	440	3.06
	36	4	144	1.00
131	31	4	124	0.86
	43	3	129	0.90
132	52	14	728	5.06
	24	18	432	3.00
	47	5	235	1.63
133	4	4	16	0.11
134	78	4	312	2.17
	34	36	1224	8.50
135	21.5	180	3870	26.88
136	44	8	352	2.44
	16	4	64	0.44
	7	8	56	0.39
	6	10	60	0.42
	8	8	64	0.44
	11	6	66	0.46
	8	9	72	0.50
136A	67	6	402	2.79
	47	4	188	1.31
136A	23	14	322	2.24
137	21.5	180	3870	26.88
138	35	3	105	0.73
	8	8	64	0.44
	24	8	192	1.33
139	21	13	273	1.90
	42	3	126	0.88
	24	8	192	1.33
139A	25	2	50	0.35
140	20	180	3600	25.00
141	64	14	896	6.22
	26	42	1092	7.58
	82	21	1722	11.96
141A	25	7	175	1.22
142	20	180	3600	25.00
143	9	2	18	0.13
	19	6	114	0.79
	14	4	56	0.39
143A	11	2	22	0.15
	24	2	48	0.33
144	18	20	360	2.50
	8	11	88	0.61
	42	24	1008	7.00

AS-BUILT DRAWINGS

Dimensions, details, and specifications
As constructed in the field.

Certified
by: *Steven Gray*
Ideal Construction, Inc.

Signature: *[Signature]*
Date: *[Date]*

NOTE:

Defects are located on sheets
S-5A, S-6A, S-7A, S-8A, S-9A,
S-10A, S-11A, S-12A, & S-13A.

SURVEY PLOTTED BY _____ DATE _____

DRAWN BY _____

TRACED BY _____

QUANTITIES BY _____

CHECKED BY _____

ORIGINAL PLAN _____

NOTES _____

No. _____

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

FIELD OBSERVED (ADDITIONAL)
REPAIR SCHEDULES

KALANIANA'OLE HIGHWAY
Emergency Repairs of Ihiihiauakea Bridge
Project No. 72B-01-13M

Scale: None Date: Jan. 16, 2013

SHEET No. S-14D OF 26 SHEETS

"AS-BUILT"

17 S-4

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72B-01-13M	2013	175-5	34

Spall No.	Length (in)	Width (in)	Size (SQ in)	Size (SQ ft)
144A	25	2	50	0.35
	11	2	22	0.15
145	52	18	936	6.50
145A	26	11	286	1.99
	13	4	52	0.36
	9	5	45	0.31
145B	5	4	20	0.14
146	7	5	35	0.24
	38	10	380	2.64
146	8	10	80	0.56
147	23	12	276	1.92
	20	14	280	1.94
147	28	12	336	2.33
	20	14	280	1.94
148	54	15	810	5.63
149	9	15	135	0.94
	9	8	72	0.50
	54	13	702	4.88
	10	8	80	0.56
150	41	10	410	2.85
150A	16	6	96	0.67
	12	24	288	2.00
151	0	0	0	0.00
152	28	6	168	1.17
152	6	7	42	0.29
153	21.5	180	3870	26.88
154	0	0	0	0.00
155	25	21	525	3.65
156	30	18	540	3.75
157	21.5	180	3870	26.88
158	53	14	742	5.15
158	24	6	144	1.00
	6	17	102	0.71
158A	14	14	196	1.36
158A	37	6	222	1.54
	15	7	105	0.73
158B	0	0	0	0.00
159	20	180	3600	25.00
160	15	13	195	1.35
	6	3	18	0.13
161	23	15	345	2.40
	10	7	70	0.49
	15	3	45	0.31
	55	7	385	2.67
162	13	13	169	1.17
163	35	8	280	1.94
163	18	5	90	0.63
	10	4	40	0.28
	17	4	68	0.47
	28	12	336	2.33
164	0	0	0	0.00
165	20	180	3600	25.00

Spall No.	Length (in)	Width (in)	Size (SQ in)	Size (SQ ft)
166	78	9	702	4.88
166	10	12	120	0.83
	20	12	240	1.67
	24	7	168	1.17
	12	10	120	0.83
	66	7	462	3.21
	46	4	184	1.28
	54	15	810	5.63
167	22	4	88	0.61
	18	15	270	1.88
167	8	8	64	0.44
168	4	25	100	0.69
	3	14	42	0.29
	62	5	310	2.15
	13	15	195	1.35
169	35	11	385	2.67
	35	4	140	0.97
	54	12	648	4.50
170	112	8	896	6.22
171	0	0	0	0.00
172	18	24	432	3.00
	17	7	119	0.83
	25	23	575	3.99
	9	8	72	0.50
	19	16	304	2.11
173	11	16	176	1.22
	36	16	576	4.00
	51	22	1122	7.79
174	29	29	841	5.84
175	7	7	49	0.34
175	42	35	1470	10.21
	45	18	810	5.63
176	3	48	144	1.00
	26	8	208	1.44
177	38	18	684	4.75
178	55	14	770	5.35
179	40	14	560	3.89
179	24	10	240	1.67
	36	24	864	6.00
180	0	0	0	0.00
180A	17.5	57	997.5	6.93
181	14	7	98	0.68
182	46	8	368	2.56
182	34	10	340	2.36
	16	20	320	2.22
	24	17	408	2.83
182A	7	8	56	0.39
183	51	7	358	2.63
183	26	11	286	1.99
184	13	16	208	1.44
	19	23	437	3.03

AS BUILT DRAWINGS

This certifies that the dimensions and details on these sheets reflect the dimensions, details, and specifications as constructed in the field.

Certified by: *Shawn Ems*
Ideal Construction, Inc.

Signature: *[Signature]*
Date: _____

NOTE:

Defects are located on sheets S-5A, S-6A, S-7A, S-8A, S-9A, S-10A, S-11A, S-12A, & S-13A.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

FIELD OBSERVED (ADDITIONAL)
REPAIR SCHEDULES

KALANIANA'OLE HIGHWAY
Emergency Repairs of Ihiihilauea Bridge
Project No. 72B-01-13M

Scale: None Date: Jan. 16, 2013
SHEET No. S-14E OF 26 SHEETS

SURVEY PLOTTED BY _____
DATE _____

ORIGINAL PLAN _____
DRAWN BY _____
CHECKED BY _____

NOTES _____
QUANTITIES BY _____
CHECKED BY _____

No. _____

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72B-01-13M	2013	175-6	34

Spall No.	Length (in)	Width (in)	Size (SQ in)	Size (SQ ft)
185	43	24	1032	7.17
185	24	16	384	2.67
	24	18	432	3.00
	30	25	750	5.21
186	0	0	0	0.00
186.4	17.5	57	997.5	6.93
187	0	0	0	0.00
187.4	17.5	57	997.5	6.93
188	12	12	144	1.00
	5	16	80	0.56
189	12	10	120	0.83
	8	8	64	0.44
	17	8	136	0.94
190	35	16	560	3.89
191	57	8	456	3.17
	57	8	456	3.17
	57	8	456	3.17
191.1	17.5	57	997.5	6.93
192	0	0	0	0.00
193	55	15	825	5.73
194	15	29	435	3.02
195	62	16	992	6.89
	17	6	102	0.71
195.4	13.5	57	769.5	5.34
196	17	10	170	1.18
196.4	17.5	57	997.5	6.93
197	0	0	0	0.00
198	15	4	60	0.42
	80	8	640	4.44
	62	5	310	2.15
	29	5	145	1.01
198.4	14	180	2520	17.50
199	40	49	1960	13.60
200	40	49	1960	13.60
201	12	7	84	0.58
202	0	0	0	0.00
202.1	7	5	35	0.24
	8	6	48	0.33
	10	10	100	0.69
203	0	0	0	0.00
204	14	4	56	0.39
	21	5	105	0.73
	4	6	24	0.17
204.4	12	8	96	0.67
205	17	5	85	0.59
	21	5	105	0.73
206	0	0	0	0.00
207	0	0	0	0.00
208	14	13	182	1.26

Spall No.	Length (in)	Width (in)	Size (SQ in)	Size (SQ ft)
301	18	10	180	1.25
302	21	12	252	1.75
303	26	12	312	2.17
304	22	12	264	1.83
305	28	12	336	2.33
306	23	13	299	2.08
307	21	12	252	1.75
308	22	11	242	1.68
309	19	11	209	1.45
310	20	10	200	1.39
311	20	10	200	1.39
312	14	11	154	1.07
313	15	11	165	1.15
314	15	11	165	1.15
315	15	12	180	1.25
316	15	12	180	1.25
317	15	12	180	1.25
318	15	11	165	1.15
319	15	12	180	1.25
320	15	12	180	1.25
321	15	11	165	1.15
322	15	11	165	1.15
323	40	7	280	1.94
324	44	9	396	2.75
325	44	-	308	2.14
326	23	7	161	1.12
327	14	7	98	0.68
328	38	9	342	2.38
329	40	7	280	1.94
330	25	7	175	1.22
331	61	10	610	4.24
332	26	9	234	1.63
333	212	9	1908	13.25
334	36	9	324	2.25
335	25	12	300	2.08
	8	11	88	0.61
336	17	3	51	0.35
337	21	9	189	1.31
338	26	10	260	1.81
339	64	10	640	4.44
340	56	11	616	4.28
341	271	11	2981	20.70
342	74	11	814	5.65
343	24	11	264	1.83
344	20	11	220	1.53
345	111	11	1221	8.48
346	62	111	8928	62.00
347	47	144	6768	47.00

AS-BUILT DRAWINGS

This certifies that the dimensions and Details on these sheets reflect the Dimensions, details, and specifications As constructed in the field.

by: *Seamus Ennis*
Ideal Construction, Inc.

Signature: *Seamus Ennis*
Date: _____

NOTE:

Defects are located on sheets
S-5A, S-6A, S-7A, S-8A, S-9A,
S-10A, S-11A, S-12A, & S-13A.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

FIELD OBSERVED (ADDITIONAL)
REPAIR SCHEDULES

KALANIANA'OLE HIGHWAY
Emergency Repairs of Ihiihilauakea Bridge
Project No. 72B-01-13M

Scale: None Date: Jan. 16, 2013
SHEET No. S-14F OF 26 SHEETS

SURVEY PLOTTED BY _____ DATE _____

DRWN BY _____

PROJ. BY _____

QUANTITIES BY _____

CHECKED BY _____

ORIGINAL PLAN _____

NO. _____

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72B-01-13M	2013	175-7	34

Crack No.	Length (in)	Length (ft)
001	20	1.67
002	20	1.67
003	6	0.50
004	20	1.67
005	20	1.67
006	20	1.67
007	6	0.50
008	20	1.67
009	20	1.67
010	27	2.25
011	26	2.17
012	9	0.75
013	25	2.08
014	26	2.17
015	27	2.25
016	24	2.00
017	13	1.08
018	26	2.17
019	13	1.08
020	7	0.58
021	49	4.08
022	24	2.00
023	7	0.58
024	15	1.25
025	24	2.00
026	36	3.00
027	9	0.75
028	10	0.83
029	10	0.83
030	14	1.17
031	15	1.25
032	14	1.17
033	14	1.17
034	20	1.67
035	40	3.33
036	39	3.25
037	14	1.17
038	45	3.75
039	55	4.58
040	16	1.33
041	29	2.42
042	9	0.75
043	54	4.50
044	6	0.50
045	17	1.42
046	55	4.58
047	25	2.08
048	8	0.67
049	7	0.58
050	10	0.83

Crack No.	Length (in)	Length (ft)
051	6	0.50
052	4	0.33
053	7	0.58
054	7	0.58
055	17	1.42
056	15	1.25
057	10	0.83
058	25	2.08
059	16	1.33
060	10	0.83
061	23	1.92
062	13	1.08
063	23	1.92
064	33	2.75
065	30	2.50
066	14	1.17
067	21	1.75
068	13	1.08
069	11	0.92
070	20	1.67
071	39	3.25
072	26	2.17
073	26	2.17
074	25	2.08
075	25	2.08
076	26	2.17
077	26	2.17
078	26	2.17
079	26	2.17
080	25	2.08
081	8	0.67
082	25	2.08
083	25	2.08
084	26	2.17
085	7	0.58
086	12	1.00
087	11	0.92
088	14	1.17
089	24	2.00
090	12	1.00
091	12	1.00
092	25	2.08
093	23	1.92
094	18	1.50
095	12	1.00
096	35	2.92
097	20	1.67
098	17	1.42
099	11	0.92
100	27	2.25

Crack No.	Length (in)	Length (ft)
101	14	1.17
102	8	0.67
103	9	0.75
104	9	0.75
105	6	0.50
106	7	0.58
107	7	0.58
108	9	0.75
109	9	0.75
110	20	1.67
111	20	1.67
112	8	0.67
113	11	0.92
114	16	1.33
115	14	1.17
116	5	0.42
117	10	0.83
118	13	1.08
119	7	0.58
120	14	1.17
121	17	1.42
122	14	1.17
123	25	2.08
124	24	2.00
125	168	14.00
126	9	0.75
127	20	1.67
128	14	1.17
129	20	1.67
130	7	0.58
131	14	1.17
132	14	1.17
133	10	0.83
134	21	1.75
135	16	1.33
136	16	1.33
137	16	1.33
138	18	1.50
139	15	1.25
140	15	1.25
141	19	1.58
142	15	1.25
143	21	1.75
144	15	1.25
145	15	1.25
146	16	1.33
147	8	0.67
148	15	1.25
149	15	1.25
150	15	1.25

Crack No.	Length (in)	Length (ft)
151	17	1.42
152	14	1.17
153	11	0.92
154	9	0.75
155	10	0.83
156	18	1.50
157	14	1.17
158	14	1.17
159	11	0.92
160	20	1.67
161	15	1.25
162	18	1.50
163	21	1.75
164	13	1.08
165	10	0.83
166	33	2.75
167	9	0.75
168	34	2.83
169	38	3.17
170	48	4.00
171	9	0.75
172	35	2.92
173	54	4.50
174	43	3.58
175	10	0.83
176	48	4.00
177	11	0.92
178	44	3.67
179	12	1.00
180	11	0.92
181	24	2.00
182	36	3.00
183	34	2.83
184	34	2.83
185	38	3.17
186	36	3.00
187	36	3.00
188	31	2.58
189	21	1.75
190	30	2.50
191	33	2.75
192	31	2.58
193	62	5.17
194	60	5.00
195	32	2.67
196	31	2.58
197	42	3.50
198	48	4.00
199	17	1.42
200	44	3.67

AS-BUILT DRAWINGS

This certifies that the dimensions and Details on these sheets reflect the Dimensions, details, and specifications As constructed in the field.

Certified
by: *S. Samuel*
Ideal Construction, Inc.

Signature: *[Signature]*
Date: _____

NOTE:

Defects are located on sheets
S-5B, S-6B, S-8B, S-10B, S-11B,
S-12B, & S-13B.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

FIELD OBSERVED (ADDITIONAL)

REPAIR SCHEDULES

KALANIANA'OLE HIGHWAY
Emergency Repairs of Ihiihiauakea Bridge
Project No. 72B-01-13M

Scale: None Date: Jan. 16, 2013
SHEET No. S-14G OF 26 SHEETS

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
TRACED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTEBOOK	_____
NO.	_____

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72B-01-13M	2013	173-8	34

Crack No.	Length (in)	Length (ft)
201	21	1.75
202	23	1.92
203	12	1.00
204	24	2.00
205	24	2.00
206	12	1.00
207	17	1.42
208	17	1.42
209	39	3.25
210	9	0.75
211	9	0.75
212	4	0.33
213	3	0.25
214	3	0.25
215	9	0.75
216	30	2.50
217	32	2.67
218	32	2.67
219	27	2.25
220	27	2.25
221	31	2.58
222	26	2.17
223	4800	40.00
224	9	0.75
225	-	0.58
226	10	0.83
227	14	1.17
228	11	0.92
229	15	1.25
230	34	2.83
231	10	0.83
232	18	1.50
233	16	1.33
234	30	2.50
235	16	1.33
236	16	1.33
237	16	1.33
238	20	1.67
239	12	1.00
240	15	1.25
241	27	2.25
242	14	1.17
243	12	1.00
244	16	1.33
245	35	2.92
246	14	1.17
247	10	0.83
248	18	1.50
249	18	1.50
250	30	2.50

Crack No.	Length (in)	Length (ft)
251	13	1.08
252	20	1.67
253	24	2.00
254	15	1.25
255	11	0.92
256	10	0.83
257	25	2.08
258	20	1.67
259	12	1.00
260	22	1.83
261	15	1.25
262	52	4.33
263	24	2.00
264	25	2.08
265	25	2.08
266	18	1.50
267	50	4.17
268	18	1.50
269	25	2.08
270	19	1.58
271	28	2.33
272	14	1.17
273	5	0.42
274	23	1.92
275	23	1.92
276	12	1.00
277	48	4.00
278	23	1.92
279	8	0.67
280	10	0.83
281	11	0.92
282	20	1.67
283	9	0.75
284	24	2.00
285	18	1.50
286	10	0.83
287	6	5.00
288	15	1.25
289	59	4.92
290	36	3.00
291	35	2.92
292	12	1.00
293	16	1.33
294	30	2.50
295	43	3.58
296	19	1.58
297	32	2.67
298	22	1.83
299	6	0.50
300	14	1.17

Crack No.	Length (in)	Length (ft)
301	24	2.00
302	18	1.50
303	20	1.67
304	14	1.17
305	24	2.00
306	20	1.67
307	24	2.00
308	20	1.67
309	20	1.67
310	23	1.92
311	20	1.67
312	15	1.25
313	57	4.75
314	37	3.08
315	30	2.50
316	22	1.83
317	11	0.92
318	27	2.25
319	10	0.83
320	21	1.75
321	14	1.17
322	21	1.75
323	36	3.00
324	11	0.92
325	12	1.00
326	26	2.17
327	25	2.08
328	6	0.50
329	7	0.58
330	13	1.08
331	7	0.58
332	55	4.58
333	15	1.25
334	6	0.50
335	14	1.17
336	20	1.67
337	32	2.67
338	19	1.58
339	19	1.58
340	21	1.75
341	10	0.83
342	26	2.17
343	20	1.67
344	19	1.58
345	24	2.00
346	19	1.58
347	26	2.17
348	52	4.33
349	14	1.17
350	14	1.17

Crack No.	Length (in)	Length (ft)
351	11	0.92
352	9	0.75
353	12	1.00
354	5	0.42
355	11	0.92
356	20	1.67
357	33	2.75
358	10	0.83
359	28	2.33
360	42	3.50
361	30	2.50
362	58	4.83
363	9	0.75
364	10	0.83
365	19	1.58
366	6	0.50
367	33	2.75
368	15	1.25
369	11	0.92
370	15	1.25
371	11	0.92
372	34	2.83
373	12	1.00
374	19	1.58
375	13	1.08
376	17	1.42
377	18	1.50
378	33	2.75
379	11	0.92
380	24	2.00
381	9	0.75
382	40	3.33
383	5	0.42
384	10	0.83
385	25	2.08
386	22	1.83
387	45	3.75
388	39	3.25
389	35	2.92
390	47	3.92
391	32	2.67
392	13	1.08
393	75	6.25
394	15	1.25
395	12	1.00
396	14	1.17
397	17	1.42
398	-	0.58
399	18	1.50
400	24	2.00

AS-BUILT DRAWINGS

This certifies that the dimensions and
locations, details, and specifications
As constructed in the field.

Certified
by: *Shannon Evans*
Ideal Construction, Inc.
Signature: *Shannon Evans*
Date:

NOTE:

Defects are located on sheets
S-5B, S-6B, S-8B, S-10B, S-11B,
S-12B, & S-13B.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

FIELD OBSERVED (ADDITIONAL)
REPAIR SCHEDULES

KALANIANA'OLE HIGHWAY
Emergency Repairs of Ihiihiauakea Bridge
Project No. 72B-01-13M

Scale: None Date: Jan. 16, 2013
SHEET No. S-14H OF 26 SHEETS

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
TRACED BY	_____
REVIEWED BY	_____
NOTED BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NO.	_____

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72B-01-13M	2013	173-9	34

Crack No.	Length (in)	Length (ft)
401	12	1.00
402	10	0.83
403	31	2.58
404	14	1.17
405	18	1.50
406	5	0.42
407	28	2.33
408	18	1.50
409	17	1.42
410	29	2.42
411	21	1.75
412	10	0.83
413	30	2.50
414	45	3.75
415	11	0.92
416	24	2.00
417	10	0.83
418	50	4.17
419	26	2.17
420	13	1.08
421	15	1.25
422	33	2.75
423	23	1.92
424	23	1.92
425	24	2.00
426	13	1.08
427	32	2.67
428	17	1.42
429	10	0.83
430	9	0.75
431	13	1.08
432	11	0.92
433	9	0.75
434	15	1.25
435	22	1.83
436	20	1.67
437	10	0.83
438	18	1.50
439	23	1.92
440	7	0.58
441	8	0.67
442	6	0.50
443	7	0.58
444	8	0.67
445	10	0.83
446	8	0.67
447	7	0.58
448	19	1.58
449	29	2.42
450	18	1.50

Crack No.	Length (in)	Length (ft)
451	15	1.25
452	16	1.33
453	36	3.00
454	17	1.42
455	14	1.17
456	28	2.33
457	12	1.00
458	13	1.08
459	14	1.17
460	19	1.58
461	8	0.67
462	13	1.08
463	18	1.50
464	25	2.08
465	11	0.92
466	18	1.50
467	22	1.83
468	16	1.33
469	16	1.33
470	15	1.25
471	11	0.92
472	19	1.58
473	24	2.00
474	33	2.75
475	30	2.50
476	19	1.58
477	17	1.42
478	26	2.17
479	17	1.42
480	10	0.83
481	17	1.42
482	48	4.00
483	12	1.00
484	11	0.92
485	19	1.58
486	11	0.92
487	6	0.50
488	36	3.00
489	16	1.33
490	10	0.83
491	13	1.08
492	8	0.67
493	9	0.75
494	50	4.17
495	30	2.50
496	21	1.75
497	12	1.00
498	24	2.00
499	19	1.58
500	24	2.00

Crack No.	Length (in)	Length (ft)
501	51	4.25
502	15	1.25
503	10	0.83
504	32	2.67
505	21	1.75
506	9	0.75
507	12	1.00
508	25	2.08
509	10	0.83
510	15	1.25
511	8	0.67
512	18	1.50
513	13	1.08
514	26	2.17
515	18	1.50
516	19	1.58
517	16	1.33
518	23	1.92
519	11	0.92
520	20	1.67
521	16	1.33
522	20	1.67
523	55	4.58
524	15	1.25
525	36	3.00
526	13	1.08
527	35	2.92
528	35	2.92
529	28	2.33
530	24	2.00
531	31	2.58
532	11	0.92
533	7	0.58
534	25	2.08
535	12	1.00
536	12	1.00
537	28	2.33
538	4	0.33
539	9	0.75
540	19	1.58
541	9	0.75
542	14	1.17
543	28	2.33
544	24	2.00
545	13	1.08
546	45	3.75
547	23	1.92
548	12	1.00
549	20	1.67
550	13	1.08

Crack No.	Length (in)	Length (ft)
551	10	0.83
552	47	3.92
553	18	1.50
554	17	1.42
555	20	1.67
556	16	1.33
557	30	2.50
558	24	2.00
559	14	1.17
560	39	3.25
561	16	1.33
562	9	0.75
563	34	2.83
564	15	1.25
565	15	1.25
566	18	1.50
567	17	1.42
568	46	3.83
569	19	1.58

AS-BUILT DRAWINGS

This certifies that the dimensions and details on these sheets reflect the dimensions, details, and specifications as constructed in the field.

Certified by: *Shawn Eng*
Signature: *Shawn Eng*
Date:

NOTE:

Defects are located on sheets S-5B, S-6B, S-8B, S-10B, S-11B, S-12B, & S-13B.

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTEBOOK	
NO.	

LICENSE EXPIRES: 4/30/15
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
FIELD OBSERVED (ADDITIONAL)
REPAIR SCHEDULES
KALANIANA'OLE HIGHWAY
Emergency Repairs of Ihiihilauakea Bridge
Project No. 72B-01-13M
Scale: None Date: Jan. 16, 2013