APPENDIX E -- CORROSION RATES, $\mu A/cm^2$

APPENDIX E -- Corrosion Rates, μA/cm² (October 25)

Grid ID				1		2		3		4		5		6		7		8		9		10	
	in			3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60
		ft		0.25	0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5	2.75	3	3.25	3.5	3.75	4	4.25	4.5	4.75	5
			m	0.076	0.152	0.229	0.305	0.381	0.457	0.533	0.610	0.686	0.762	0.838	0.914	0.991	1.067	1.143	1.219	1.295	1.372	1.448	1.524
A	3	0.25	0.076	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
	6	0.5	0.152	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
B	9	0.75	0.229	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
	12	1	0.305	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
C	15	1.25	0.381	999	999	999	999	0.310	999	999	999	999	0.076	0.076	999	0.102	999	999	0.1025	999	0.0365	999	999
	18	1.5	0.457	999	999	0.023	999	999	999	999	0.357	999	999	0.042	999	0.069	999	999	999	999	0.1045	999	999
D	21	1.75	0.533	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
	24	2	0.610	999	999	999	999	0.052	999	999	999	999	999	999	999	0.044	999	999	0.07	999	999	999	999
E	27	2.25	0.686	999	999	999	999	999	999	999	999	999	999	999	999	0.032	999	999	999	999	999	999	999
	30	2.5	0.762	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	0.0795	999	0.0275	999	999
F	33	2.75	0.838	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
	36	3	0.914	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999
G	39	3.25	0.991	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999	999

rid ID				11		12		13		14	
	in			63	66	69	72	75	78	81	84
		ft		5.25	5.5	5.75	6	6.25	6.5	6.75	7
			m	1.600	1.676	1.753	1.829	1.905	1.981	2.057	2.134
A	3	0.25	0.076	999	999	999	999	999	999	999	999
	6	0.5	0.152	999	999	999	999	0.046	999	999	999
B	9	0.75	0.229	999	999	999	999	999	999	999	999
	12	1	0.305	999	999	999	999	999	999	999	999
C	15	1.25	0.381	999	999	999	999	0.021	999	999	999
	18	1.5	0.457	999	999	999	999	999	999	999	999
D	21	1.75	0.533	999	999	999	999	999	999	999	999
	24	2	0.610	999	999	999	999	999	999	999	999
E	27	2.25	0.686	999	999	999	999	999	999	999	999
	30	2.5	0.762	999	999	999	999	999	999	999	999
F	33	2.75	0.838	999	999	999	999	999	999	999	999
	36	3	0.914	999	999	999	999	999	999	999	999
G	39	3.25	0.991	999	999	999	999	999	999	999	999

999 = missing data; no measurement.

Conversion: μm/y = 11.63 * μA/cm².

APPENDIX F -- CHLORIDE PROFILE DATA AFTER ICCP

APPENDIX F – Chloride Profile Data after ICCP

F.1 CHLORIDE PROFILE DATA AFTER 0.5 year ICCP

Original Concrete, concentration in weight pct in powder sample

Sample range, in.	Location inches	Slice 48-49, 49F(east to west)			Slice 50-51, 50F(west to east)			Slice 52-53, 53E(east to west)		
		Ca	Cl(total)	Cl(sol)	Ca	Cl(total)	Cl(sol)	Ca	Cl(total)	Cl(sol)
0.0-0.5	0.25	7.61	0.269	0.245	10.60	0.279	0.215	.94	0.386	0.302
0.5-1.0	0.75	13.40	0.342	0.302	8.94	0.210	0.167	7.35	0.289	0.215
1.0-1.5	1.25	8.90	0.262	0.255	11.10	0.216	0.171	6.29	0.172	0.120
1.5-2.0	1.75	8.28	0.189	0.169	8.82	0.129	0.098	7.22	0.208	0.153
2.0-2.5	2.25	7.69	0.128	0.109	7.19	0.070	0.057	4.99	0.137	0.091
2.5-3.0	2.75	9.85	0.117	0.105	6.43	0.056	0.041	7.22	0.178	0.125
3.0-3.5	3.25	8.36	0.099	0.072	8.39	0.039	0.027	4.08	0.080	0.050
3.5-4.0	3.75	8.17	0.041	0.038	10.80	0.031	0.023	4.68	0.061	0.039
4.0-4.5	4.25	8.10	0.023	0.020	10.60	0.019	0.011	7.66	0.070	0.048
4.5-5.0	4.75	9.35	0.012	0.011	7.28	0.012	0.008	4.76	0.030	0.017
5.0-5.5	5.25	7.29	0.007	0.006	6.68	0.010	0.005	7.11	0.029	0.015
5.5-6.0	5.75	4.04	0.007	0.006	8.51	0.013	0.007	8.35	0.021	0.011
6.0-6.5	6.25	6.06	0.008	0.006	10.50	0.013	0.012	7.33	0.012	0.006
6.5-7.0	6.75	5.88	0.008	0.006	10.40	0.012	0.007	9.12	0.014	0.005
7.0-7.5	7.25	7.37	0.007	0.006	11.20	0.012	0.011	9.26	0.003	0.004
7.5-8.0	7.75	7.51	0.011	0.009	8.12	0.012	0.010	9.58	0.016	0.009
8.0-8.5	8.25	7.64	0.007	0.006	7.29	0.016	0.015	7.72	0.010	0.011
8.5-9.0	8.75	7.66	0.007	0.005	10.20	0.028	0.026	7.09	0.035	0.007
9.0-9.5	9.25	6.06	0.009	0.008	5.90	0.024	0.019	9.13	0.010	0.005
9.5-10.0	9.75	6.14	0.009	0.006	7.36	0.029	0.020	7.79	0.015	0.014
10.0-10.5	10.25	8.73	0.012	0.011	7.77	0.031	0.024	9.24	0.031	0.013
10.5-11.0	10.75	8.15	0.019	0.018	7.83	0.036	0.033	7.22	0.049	0.041
11.0-11.5	11.25	4.57	0.021	0.019	8.79	0.088	0.087	8.52	0.083	0.053
11.5-12.0	11.75	6.63	0.052	0.047	8.73	0.127	0.127	10.60	0.120	0.102
12.0-12.5	12.25	7.19	0.061	0.060	8.59	0.170	0.167	8.50	0.101	0.076
12.5-13.0	12.75	8.38	0.103	0.100	6.90	0.185	0.177	9.94	0.155	0.117
13.0-13.5	13.25	6.92	0.133	0.128	6.06	0.184	0.171	8.45	0.156	0.124
13.5-14.0	13.75	6.85	0.166	0.163	9.49	0.211	0.155	7.64	0.183	0.134
14.0-14.5	14.25									
14.5-15.0	14.75									
10.0-10.5	10.25									
10.5-11.0	10.75									
11.0-11.5	11.25									
11.5-12.0	11.75									
12.0-12.5	12.25	9.65	0.071	0.067	8.40	0.161	0.160	8.09	0.177	0.155
12.5-13.0	12.75	9.54	0.105	0.099	7.85	0.171	0.161	6.94	0.156	0.119
13.013.5	13.25	10.1	0.172	0.154	9.32	0.294	0.287	6.46	0.183	0.146
13.5-14.0	13.75	11.7	0.215	0.211	11.00	0.352	0.343	3.27	0.116	0.095
14.0-14.5	14.25	10.8	0.295	0.292	9.86	0.352	0.342	5.23	0.220	0.180
14.5-15.0	14.75	11.5	0.291	0.286	9.04	0.333	0.319	7.19	0.744	0.696

Original Concrete, concentration in pounds per cubic yard of concrete

Sample range, in.	Location inches	Slice 48-49, 49F(east to west)			Slice 50-51, 50F(west to east)			Slice 52-53, 53E(east to west)		
		Ca	Cl(total)	Cl(sol)	Ca	Cl(total)	Cl(sol)	Ca	Cl(total)	Cl(sol)
0.0-0.5	0.25	323.1	11.42	10.40	323.1	8.51	6.55	323.1	17.97	14.06
0.5-1.0	0.75	323.1	8.25	7.28	323.1	7.59	6.04	323.1	12.71	9.45
1.0-1.5	1.25	323.1	9.51	9.26	323.1	6.29	4.98	323.1	8.84	6.16
1.5-2.0	1.75	323.1	7.38	6.60	323.1	4.73	3.59	323.1	9.31	6.85
2.0-2.5	2.25	323.1	5.38	4.58	323.1	3.15	2.56	323.1	8.87	5.89
2.5-3.0	2.75	323.1	3.84	3.44	323.1	2.81	2.06	323.1	7.97	5.59
3.0-3.5	3.25	323.1	3.83	2.78	323.1	1.50	1.04	323.1	6.34	3.96
3.5-4.0	3.75	323.1	1.62	1.50	323.1	0.93	0.69	323.1	4.21	2.69
4.0-4.5	4.25	323.1	0.92	0.80	323.1	0.58	0.34	323.1	2.95	2.02
4.5-5.0	4.75	323.1	0.41	0.38	323.1	0.53	0.36	323.1	2.04	1.15
5.0-5.5	5.25	323.1	0.31	0.27	323.1	0.48	0.24	323.1	1.32	0.68
5.5-6.0	5.75	323.1	0.56	0.48	323.1	0.49	0.27	323.1	0.81	0.43
6.0-6.5	6.25	323.1	0.43	0.32	323.1	0.40	0.37	323.1	0.53	0.26
6.5-7.0	6.75	323.1	0.44	0.33	323.1	0.37	0.22	323.1	0.50	0.18
7.0-7.5	7.25	323.1	0.31	0.26	323.1	0.35	0.32	323.1	0.10	0.14
7.5-8.0	7.75	323.1	0.47	0.39	323.1	0.48	0.40	323.1	0.54	0.30
8.0-8.5	8.25	323.1	0.30	0.25	323.1	0.71	0.66	323.1	0.42	0.46
8.5-9.0	8.75	323.1	0.30	0.21	323.1	0.89	0.82	323.1	1.60	0.32
9.0-9.5	9.25	323.1	0.48	0.43	323.1	1.31	1.04	323.1	0.35	0.18
9.5-10.0	9.75	323.1	0.47	0.32	323.1	1.27	0.88	323.1	0.62	0.58
10.0-10.5	10.25	323.1	0.44	0.41	323.1	1.29	1.00	323.1	1.08	0.45
10.5-11.0	10.75	323.1	0.75	0.71	323.1	1.49	1.36	323.1	2.19	1.83
11.0-11.5	11.25	323.1	1.48	1.34	323.1	3.24	3.20	323.1	3.15	2.01
11.5-12.0	11.75	323.1	2.53	2.29	323.1	4.70	4.70	323.1	3.66	3.11
12.0-12.5	12.25	323.1	2.74	2.70	323.1	6.40	6.28	323.1	3.84	2.89
12.5-13.0	12.75	323.1	3.97	3.86	323.1	8.66	8.29	323.1	5.04	3.80
13.0-13.5	13.25	323.1	6.21	5.98	323.1	9.81	9.12	323.1	5.97	4.74
13.5-14.0	13.75	323.1	7.83	7.69	323.1	7.18	5.28	323.1	7.74	5.67
14.0-14.5	14.25									
14.5-15.0	14.75									
10.0-10.5	10.25									
10.5-11.0	10.75									
11.0-11.5	11.25									
11.5-12.0	11.75									
12.0-12.5	12.25	323.1	2.38	2.24	323.1	6.19	6.15	323.1	7.07	6.19
12.5-13.0	12.75	323.1	3.56	3.35	323.1	7.04	6.63	323.1	7.26	5.54
13.013.5	13.25	323.1	5.50	4.93	323.1	10.19	9.95	323.1	9.15	7.30
13.5-14.0	13.75	323.1	5.94	5.83	323.1	10.34	10.08	323.1	11.46	9.39
14.0-14.5	14.25	323.1	8.83	8.74	323.1	11.54	11.21	323.1	13.59	11.12
14.5-15.0	14.75	323.1	8.18	8.04	323.1	11.90	11.40	323.1	33.44	31.28

Original Concrete, concentration in pounds per cubic yard of concrete

Sample range, in.	Location inches	Slice 48-49, 49F(west to east)			Slice 50-51, 50F(west to east)			Slice 52-53, 53E(west to east)		
		Ca	Cl(total)	Cl(sol)	Ca	Cl(total)	Cl(sol)	Ca	Cl(total)	Cl(sol)
0.0-0.5	0.25	323.1	8.18	8.04	323.1	8.51	6.55	323.1	33.44	31.28
0.5-1.0	0.75	323.1	8.83	8.74	323.1	7.59	6.04	323.1	13.59	11.12
1.0-1.5	1.25	323.1	5.94	5.83	323.1	6.29	4.98	323.1	11.46	9.39
1.5-2.0	1.75	323.1	5.50	4.93	323.1	4.73	3.59	323.1	9.15	7.30
2.0-2.5	2.25	323.1	3.56	3.35	323.1	3.15	2.56	323.1	7.26	5.54
2.5-3.0	2.75	323.1	2.38	2.24	323.1	2.81	2.06	323.1	7.07	6.19
3.0-3.5	3.25	323.1	2.53	2.29	323.1	1.50	1.04	323.1	3.66	3.11
3.5-4.0	3.75	323.1	1.48	1.34	323.1	0.93	0.69	323.1	3.15	2.01
4.0-4.5	4.25	323.1	0.75	0.71	323.1	0.58	0.34	323.1	2.19	1.83
4.5-5.0	4.75	323.1	0.44	0.41	323.1	0.53	0.36	323.1	1.08	0.45
5.0-5.5	5.25	323.1	0.47	0.32	323.1	0.48	0.24	323.1	0.62	0.58
5.5-6.0	5.75	323.1	0.48	0.43	323.1	0.49	0.27	323.1	0.35	0.18
6.0-6.5	6.25	323.1	0.30	0.21	323.1	0.40	0.37	323.1	1.60	0.32
6.5-7.0	6.75	323.1	0.30	0.25	323.1	0.37	0.22	323.1	0.42	0.46
7.0-7.5	7.25	323.1	0.47	0.39	323.1	0.35	0.32	323.1	0.54	0.30
7.5-8.0	7.75	323.1	0.31	0.26	323.1	0.48	0.40	323.1	0.10	0.14
8.0-8.5	8.25	323.1	0.44	0.33	323.1	0.71	0.66	323.1	0.50	0.18
8.5-9.0	8.75	323.1	0.43	0.32	323.1	0.89	0.82	323.1	0.53	0.26
9.0-9.5	9.25	323.1	0.56	0.48	323.1	1.31	1.04	323.1	0.81	0.43
9.5-10.0	9.75	323.1	0.31	0.27	323.1	1.27	0.88	323.1	1.32	0.68
10.0-10.5	10.25	323.1	0.41	0.38	323.1	1.29	1.00	323.1	2.04	1.15
10.5-11.0	10.75	323.1	0.92	0.80	323.1	1.49	1.36	323.1	2.95	2.02
11.0-11.5	11.25	323.1	1.62	1.50	323.1	3.24	3.20	323.1	4.21	2.69
11.5-12.0	11.75	323.1	3.83	2.78	323.1	4.70	4.70	323.1	6.34	3.96
12.0-12.5	12.25	323.1	3.84	3.44	323.1	6.19	6.15	323.1	7.97	5.59
12.5-13.0	12.75	323.1	5.38	4.58	323.1	7.04	6.63	323.1	8.87	5.89
13.0-13.5	13.25	323.1	7.38	6.60	323.1	10.19	9.95	323.1	9.31	6.85
13.5-14.0	13.75	323.1	9.51	9.26	323.1	10.34	10.08	323.1	8.84	6.16
14.0-14.5	14.25	323.1	8.25	7.28	323.1	11.54	11.21	323.1	12.71	9.45
14.5-15.0	14.75	323.1	11.42	10.40	323.1	11.90	11.40	323.1	17.97	14.06

Patch Concrete, concentration in weight pct in powder sample

Sample range, in.	Location inches	Slice 48-49, 49B(east to west) Ca	Cl(total)	Cl(sol)	Slice 50-51, 50B(west to east) Ca	Cl(total)	Cl(sol)	Slice 52-53, 53B(east to west) Ca	Cl(total)	Cl(sol)
0.0-0.5	0.25	3.65	0.287	0.287	4.80	0.434	0.317	4.21	0.455	0.433
0.5-1.0	0.75	5.03	0.239	0.235	3.69	0.142	0.111	3.95	0.111	0.069
1.0-1.5	1.25	5.74	0.237	0.213	3.07	0.110	0.086	4.45	0.126	0.109
1.5-2.0	1.75	4.80	0.077	0.068	3.68	0.149	0.135	3.99	0.124	0.084
2.0-2.5	2.25	4.55	0.072	0.052	3.60	0.112	0.104	5.19	0.144	0.113
2.5-3.0	2.75	5.54	0.075	0.072	3.21	0.071	0.058	4.33	0.127	0.094
3.0-3.5	3.25	6.85	0.072	0.070	3.25	0.089	0.068	4.94	0.144	0.091
3.5-4.0	3.75	6.45	0.065	0.063	3.74	0.093	0.076	5.17	0.119	0.083
4.0-4.5	4.25	5.37	0.052	0.049	4.19	0.130	0.124	5.21	0.091	0.057
4.5-5.0	4.75	5.80	0.052	0.051	4.14	0.099	0.094	5.98	0.067	0.040
5.0-5.5	5.25	5.67	0.072	0.053	4.81	0.114	0.102	7.50	0.039	0.018
5.5-6.0	5.75	6.77	0.047	0.041	5.53	0.045	0.042	7.67	0.020	0.010
6.0-6.5	6.25	6.59	0.034	0.031	7.64	0.045	0.038	9.22	0.018	0.005
6.5-7.0	6.75	5.91	0.027	0.024	4.27	0.026	0.011	6.37	0.014	0.005
7.0-7.5	7.25	7.05	0.014	0.012	5.47	0.031	0.030	7.35	0.017	0.016
7.5-8.0	7.75	5.88	0.016	0.013	8.17	0.022	0.019	9.08	0.019	0.010
8.0-8.5	8.25	5.32	0.026	0.019	8.60	0.039	0.035	7.39	0.015	0.009
8.5-9.0	8.75	8.68	0.051	0.043	7.23	0.021	0.007	7.64	0.019	0.007
9.0-9.5	9.25	9.14	0.065	0.063	5.21	0.015	0.013	8.45	0.027	0.011
9.5-10.0	9.75	5.85	0.061	0.060	5.00	0.020	0.013	6.06	0.036	0.018
10.0-10.5	10.25	3.83	0.040	0.038	6.21	0.043	0.026	6.83	0.082	0.053
10.5-11.0	10.75	5.33	0.116	0.104	8.80	0.071	0.048	4.54	0.085	0.060
11.0-11.5	11.25	4.80	0.062	0.060	4.80	0.087	0.077	4.85	0.114	0.113
11.5-12.0	11.75	3.95	0.042	0.039	5.23	0.114	0.105	5.01	0.117	0.094
12.0-12.5	12.25				3.30	0.080	0.068	4.62	0.139	0.098
12.5-13.0	12.75				3.77	0.096	0.081	4.38	0.097	0.070
13.0-13.5	13.25				3.85	0.093	0.087	5.70	0.047	0.038
13.5-14.0	13.75							5.47	0.070	0.043
14.0-14.5	14.25							5.22	0.081	0.055
14.5-15.0	14.75							7.61	0.019	0.015
10.0-10.5	10.25	4.39	0.067	0.064						
10.5-11.0	10.75	3.92	0.075	0.073						
11.0-11.5	11.25	5.09	0.130	0.122						
11.5-12.0	11.75	6.52	0.154	0.147	4.49	0.156	0.130			
12.0-12.5	12.25	8.25	0.168	0.162	4.13	0.115	0.097			
12.5-13.0	12.75	6.41	0.096	0.091	3.59	0.119	0.095			
13.013.5	13.25	4.40	0.029	0.023	3.92	0.062	0.049	5.49	0.077	0.057
13.5-14.0	13.75	4.91	0.034	0.031	2.94	0.152	0.093	4.21	0.021	0.005
14.0-14.5	14.25	3.64	0.198	0.188	6.66	0.183	0.107	5.11	0.063	0.034
14.5-15.0	14.75	0.83	1.51	0.862	5.37	1.160	0.549	4.09	0.262	0.112

Patch Concrete, concentration in pounds per cubic yard of concrete

Sample range, in.	Location inches	Slice 48-49, 49B(east to west)			Slice 50-51, 50B(west to east)			Slice 52-53, 53B(east to west)		
		Ca	Cl(total)	Cl(sol)	Ca	Cl(total)	Cl(sol)	Ca	Cl(total)	Cl(sol)
0.0-0.5	0.25	216.2	17.00	17.00	216.2	19.55	14.28	216.2	23.36	22.23
0.5-1.0	0.75	216.2	10.27	10.10	216.2	8.32	6.50	216.2	6.07	3.78
1.0-1.5	1.25	216.2	8.93	8.02	216.2	7.75	6.06	216.2	6.12	5.29
1.5-2.0	1.75	216.2	3.47	3.06	216.2	8.75	7.93	216.2	6.72	4.55
2.0-2.5	2.25	216.2	3.42	2.47	216.2	6.73	6.24	216.2	6.00	4.71
2.5-3.0	2.75	216.2	2.93	2.81	216.2	4.78	3.91	216.2	6.34	4.69
3.0-3.5	3.25	216.2	2.27	2.21	216.2	5.92	4.52	216.2	6.30	3.98
3.5-4.0	3.75	216.2	2.18	2.11	216.2	5.38	4.39	216.2	4.98	3.47
4.0-4.5	4.25	216.2	2.09	1.97	216.2	6.71	6.40	216.2	3.78	2.37
4.5-5.0	4.75	216.2	1.94	1.90	216.2	5.17	4.91	216.2	2.42	1.45
5.0-5.5	5.25	216.2	2.75	2.02	216.2	5.12	4.58	216.2	1.12	0.52
5.5-6.0	5.75	216.2	1.50	1.31	216.2	1.76	1.64	216.2	0.56	0.28
6.0-6.5	6.25	216.2	1.12	1.02	216.2	1.27	1.08	216.2	0.42	0.12
6.5-7.0	6.75	216.2	0.99	0.88	216.2	1.32	0.56	216.2	0.48	0.17
7.0-7.5	7.25	216.2	0.43	0.37	216.2	1.23	1.19	216.2	0.50	0.47
7.5-8.0	7.75	216.2	0.59	0.48	216.2	0.58	0.50	216.2	0.45	0.24
8.0-8.5	8.25	216.2	1.06	0.77	216.2	0.98	0.88	216.2	0.44	0.26
8.5-9.0	8.75	216.2	1.27	1.07	216.2	0.63	0.21	216.2	0.54	0.20
9.0-9.5	9.25	216.2	1.54	1.49	216.2	0.62	0.54	216.2	0.69	0.28
9.5-10.0	9.75	216.2	2.25	2.22	216.2	0.86	0.56	216.2	1.28	0.64
10.0-10.5	10.25	216.2	2.26	2.14	216.2	1.50	0.91	216.2	2.60	1.68
10.5-11.0	10.75	216.2	4.70	4.22	216.2	1.74	1.18	216.2	4.05	2.86
11.0-11.5	11.25	216.2	2.79	2.70	216.2	3.92	3.47	216.2	5.08	5.04
11.5-12.0	11.75	216.2	2.30	2.13	216.2	4.71	4.34	216.2	5.05	4.06
12.0-12.5	12.25				216.2	5.24	4.45	216.2	6.50	4.59
12.5-13.0	12.75				216.2	5.50	4.64	216.2	4.79	3.45
13.0-13.5	13.25				216.2	5.22	4.88	216.2	1.78	1.44
13.5-14.0	13.75							216.2	2.77	1.70
14.0-14.5	14.25							216.2	3.35	2.28
14.5-15.0	14.75							216.2	0.54	0.43
10.0-10.5	10.25	216.2	3.30	3.15						
10.5-11.0	10.75	216.2	4.14	4.03						
11.0-11.5	11.25	216.2	5.52	5.18						
11.5-12.0	11.75	216.2	5.11	4.87	216.2	7.51	6.26			
12.0-12.5	12.25	216.2	4.40	4.24	216.2	6.02	5.08			
12.5-13.0	12.75	216.2	3.24	3.07	216.2	7.17	5.72			
13.013.5	13.25	216.2	1.42	1.13	216.2	3.42	2.70	216.2	3.03	2.24
13.5-14.0	13.75	216.2	1.50	1.36	216.2	11.18	6.84	216.2	1.08	0.26
14.0-14.5	14.25	216.2	11.76	11.16	216.2	5.94	3.47	216.2	2.67	1.44
14.5-15.0	14.75	216.2	393.28	224.51	216.2	46.70	22.10	216.2	13.85	5.92

Patch Concrete, oncentration in pounds per cubic yard of concrete

Sample range, in.	Location inches	Slice 48-49, 49B(west to east)			Slice 50-51, 50B(west to east)			Slice 52-53, 53B(west to east)		
		Ca	Cl(total)	Cl(sol)	Ca	Cl(total)	Cl(sol)	Ca	Cl(total)	Cl(sol)
0.0-0.5	0.25	216.2	393.28	224.51	216.2	19.55	14.28	216.2	13.85	5.92
0.5-1.0	0.75	216.2	11.76	11.16	216.2	8.32	6.50	216.2	2.67	1.44
1.0-1.5	1.25	216.2	1.50	1.36	216.2	7.75	6.06	216.2	1.08	0.26
1.5-2.0	1.75	216.2	1.42	1.13	216.2	8.75	7.93	216.2	3.03	2.24
2.0-2.5	2.25	216.2	3.24	3.07	216.2	6.73	6.24	216.2	4.79	3.45
2.5-3.0	2.75	216.2	4.40	4.24	216.2	4.78	3.91	216.2	6.50	4.59
3.0-3.5	3.25	216.2	5.11	4.87	216.2	5.92	4.52	216.2	5.05	4.06
3.5-4.0	3.75	216.2	5.52	5.18	216.2	5.38	4.39	216.2	5.08	5.04
4.0-4.5	4.25	216.2	4.14	4.03	216.2	6.71	6.40	216.2	4.05	2.86
4.5-5.0	4.75	216.2	3.30	3.15	216.2	5.17	4.91	216.2	2.60	1.68
5.0-5.5	5.25	216.2	2.25	2.22	216.2	5.12	4.58	216.2	1.28	0.64
5.5-6.0	5.75	216.2	1.54	1.49	216.2	1.76	1.64	216.2	0.69	0.28
6.0-6.5	6.25	216.2	1.27	1.07	216.2	1.27	1.08	216.2	0.54	0.20
6.5-7.0	6.75	216.2	1.06	0.77	216.2	1.32	0.56	216.2	0.44	0.26
7.0-7.5	7.25	216.2	0.59	0.48	216.2	1.23	1.19	216.2	0.45	0.24
7.5-8.0	7.75	216.2	0.43	0.37	216.2	0.58	0.50	216.2	0.50	0.47
8.0-8.5	8.25	216.2	0.99	0.88	216.2	0.98	0.88	216.2	0.48	0.17
8.5-9.0	8.75	216.2	1.12	1.02	216.2	0.63	0.21	216.2	0.42	0.12
9.0-9.5	9.25	216.2	1.50	1.31	216.2	0.62	0.54	216.2	0.56	0.28
9.5-10.0	9.75	216.2	2.75	2.02	216.2	0.86	0.56	216.2	1.12	0.52
10.0-10.5	10.25	216.2	1.94	1.90	216.2	1.50	0.91	216.2	2.42	1.45
10.5-11.0	10.75	216.2	2.09	1.97	216.2	1.74	1.18	216.2	3.78	2.37
11.0-11.5	11.25	216.2	2.18	2.11	216.2	3.92	3.47	216.2	4.98	3.47
11.5-12.0	11.75	216.2	2.27	2.21	216.2	7.51	6.26	216.2	6.30	3.98
12.0-12.5	12.25	216.2	2.93	2.81	216.2	6.02	5.08	216.2	6.34	4.69
12.5-13.0	12.75	216.2	3.42	2.47	216.2	7.17	5.72	216.2	6.00	4.71
13.0-13.5	13.25	216.2	3.47	3.06	216.2	3.42	2.70	216.2	6.72	4.55
13.5-14.0	13.75	216.2	8.93	8.02	216.2	11.18	6.84	216.2	6.12	5.29
14.0-14.5	14.25	216.2	10.27	10.10	216.2	5.94	3.47	216.2	6.07	3.78
14.5-15.0	14.75	216.2	17.00	17.00	216.2	46.70	22.10	216.2	23.36	22.23

F.2 CHLORIDE DATA AFTER 1.0 year ICCP

Original Concrete, concentration in weight pct in powder sample

Sample range, in.	Location inches	Slice 48-49, 49F(east to west)			Slice 50-51, 50F(west to east)			Slice 52-53, 53E(east to west)		
		Ca	Cl(total)	Cl(sol)	Ca	Cl(total)	Cl(sol)	Ca	Cl(total)	Cl(sol)
0.0-0.5	0.25	6.41	0.185	0.160	6.41	0.191	0.176	7.44	0.451	0.378
0.5-1.0	0.75	7.39	0.253	0.247	9.13	0.239	0.222	6.54	0.285	0.233
1.0-1.5	1.25	10.50	0.382	0.350	3.61	0.060	0.049	7.60	0.269	0.239
1.5-2.0	1.75	8.16	0.223	0.190	5.30	0.070	0.063	9.51	0.225	0.199
2.0-2.5	2.25	9.46	0.160	0.142	8.43	0.081	0.069	8.25	0.152	0.123
2.5-3.0	2.75	7.43	0.066	0.063	5.71	0.052	0.039	6.54	0.087	0.072
3.0-3.5	3.25	10.60	0.078	0.070	8.79	0.053	0.046	8.62	0.071	0.059
3.5-4.0	3.75	9.67	0.041	0.037	9.53	0.030	0.026	10.30	0.056	0.046
4.0-4.5	4.25	8.31	0.017	0.017	8.94	0.016	0.012	9.61	0.025	0.023
4.5-5.0	4.75	7.99	0.012	0.009	8.34	0.008	0.006	10.50	0.015	0.014
5.0-5.5	5.25	7.62	0.009	0.004	9.51	0.008	0.003	10.00	0.008	0.008
5.5-6.0	5.75	7.17	0.007	0.004	7.76	0.010	0.007	12.10	0.007	0.007
6.0-6.5	6.25	7.28	0.006	0.004	6.85	0.007	0.007	11.70	0.007	0.006
6.5-7.0	6.75	8.71	0.006	0.005	4.15	0.007	0.005	10.50	0.006	0.006
7.0-7.5	7.25	9.76	0.008	0.006	2.66	0.007	0.004	7.72	0.006	0.005
7.5-8.0	7.75	7.15	0.008	0.005	7.12	0.009	0.006	10.30	0.006	0.005
8.0-8.5	8.25	5.15	0.007	0.005	7.88	0.006	0.005	9.99	0.008	0.007
8.5-9.0	8.75	9.32	0.006	0.003	7.41	0.006	0.006	12.30	0.006	0.004
9.0-9.5	9.25	7.36	0.006	0.005	7.31	0.007	0.005	7.92	0.009	0.007
9.5-10.0	9.75	7.75	0.005	0.005	9.54	0.007	0.004	11.50	0.007	0.006
10.0-10.5	10.25	7.76	0.010	0.009	8.52	0.006	0.006	9.08	0.010	0.010
10.5-11.0	10.75	8.83	0.028	0.021	7.78	0.017	0.012	8.84	0.019	0.019
11.0-11.5	11.25	7.30	0.032	0.030	7.68	0.027	0.024	9.95	0.034	0.028
11.5-12.0	11.75	8.61	0.061	0.049	7.29	0.052	0.044	10.70	0.062	0.055
12.0-12.5	12.25	8.78	0.097	0.083	5.57	0.061	0.054	7.47	0.041	0.040
12.5-13.0	12.75	7.65	0.097	0.081	8.37	0.109	0.099	9.85	0.133	0.110
13.0-13.5	13.25	6.61	0.104	0.084	8.56	0.164	0.139	8.66	0.171	0.160
13.5-14.0	13.75	6.51	0.182	0.150	9.52	0.249	0.223	4.59	0.136	0.091
14.0-14.5	14.25	9.15	0.318	0.254	5.65	0.180	0.154	9.4	0.253	0.248
14.5-15.0	14.75							8.25	0.287	0.224
10.0-10.5	10.25									
10.5-11.0	10.75									
11.0-11.5	11.25									
11.5-12.0	11.75									
12.0-12.5	12.25									
12.5-13.0	12.75	6.34	0.107	0.087	5.98	0.104	0.088			
13.013.5	13.25	7.12	0.147	0.122	4.63	0.077	0.075	10.20	0.147	0.123
13.5-14.0	13.75	7.38	0.197	0.174	7.27	0.240	0.222	8.30	0.188	0.179
14.0-14.5	14.25	7.46	0.252	0.223	10.30	0.397	0.395	8.00	0.260	0.237
14.5-15.0	14.75	6.9	0.218	0.197	7.22	0.297	0.249	8.72	0.380	0.378

Original Concrete, concentration in pounds per cubic yard of concrete

Sample range, in.	Location inches	Slice 48-49, 49F(east to west) Ca	Cl(total)	Cl(sol)	Slice 50-51, 50F(west to east) Ca	Cl(total)	Cl(sol)	Slice 52-53, 53E(east to west) Ca	Cl(total)	Cl(sol)
0.0-0.5	0.25	325.6	9.40	8.13	325.6	9.70	8.94	325.6	19.74	16.54
0.5-1.0	0.75	325.6	11.15	10.88	325.6	8.52	7.92	325.6	14.19	11.60
1.0-1.5	1.25	325.6	11.85	10.85	325.6	5.41	4.42	325.6	11.52	10.24
1.5-2.0	1.75	325.6	8.90	7.58	325.6	4.30	3.87	325.6	7.70	6.81
2.0-2.5	2.25	325.6	5.51	4.89	325.6	3.13	2.67	325.6	6.00	4.85
2.5-3.0	2.75	325.6	2.89	2.76	325.6	2.97	2.22	325.6	4.33	3.58
3.0-3.5	3.25	325.6	2.40	2.15	325.6	1.96	1.70	325.6	2.68	2.23
3.5-4.0	3.75	325.6	1.38	1.25	325.6	1.02	0.89	325.6	1.77	1.45
4.0-4.5	4.25	325.6	0.67	0.67	325.6	0.58	0.44	325.6	0.85	0.78
4.5-5.0	4.75	325.6	0.49	0.37	325.6	0.31	0.23	325.6	0.47	0.43
5.0-5.5	5.25	325.6	0.38	0.17	325.6	0.27	0.10	325.6	0.26	0.26
5.5-6.0	5.75	325.6	0.32	0.18	325.6	0.42	0.29	325.6	0.19	0.19
6.0-6.5	6.25	325.6	0.27	0.18	325.6	0.33	0.33	325.6	0.19	0.17
6.5-7.0	6.75	325.6	0.22	0.19	325.6	0.55	0.39	325.6	0.19	0.19
7.0-7.5	7.25	325.6	0.27	0.20	325.6	0.86	0.49	325.6	0.25	0.21
7.5-8.0	7.75	325.6	0.36	0.23	325.6	0.41	0.27	325.6	0.19	0.16
8.0-8.5	8.25	325.6	0.44	0.32	325.6	0.25	0.21	325.6	0.26	0.23
8.5-9.0	8.75	325.6	0.21	0.10	325.6	0.26	0.26	325.6	0.16	0.11
9.0-9.5	9.25	325.6	0.27	0.22	325.6	0.31	0.22	325.6	0.37	0.29
9.5-10.0	9.75	325.6	0.21	0.21	325.6	0.24	0.14	325.6	0.20	0.17
10.0-10.5	10.25	325.6	0.42	0.38	325.6	0.23	0.23	325.6	0.36	0.36
10.5-11.0	10.75	325.6	1.03	0.77	325.6	0.71	0.50	325.6	0.70	0.70
11.0-11.5	11.25	325.6	1.43	1.34	325.6	1.14	1.02	325.6	1.11	0.92
11.5-12.0	11.75	325.6	2.31	1.85	325.6	2.32	1.97	325.6	1.89	1.67
12.0-12.5	12.25	325.6	3.60	3.08	325.6	3.57	3.16	325.6	1.79	1.74
12.5-13.0	12.75	325.6	4.13	3.45	325.6	4.24	3.85	325.6	4.40	3.64
13.0-13.5	13.25	325.6	5.12	4.14	325.6	6.24	5.29	325.6	6.43	6.02
13.5-14.0	13.75	325.6	9.10	7.50	325.6	8.52	7.63	325.6	9.65	6.46
14.0-14.5	14.25	325.6	11.32	9.04	325.6	10.37	8.87	325.6	8.76	8.59
14.5-15.0	14.75							325.6	11.33	8.84
10.0-10.5	10.25									
10.5-11.0	10.75									
11.0-11.5	11.25									
11.5-12.0	11.75									
12.0-12.5	12.25									
12.5-13.0	12.75	325.6	5.50	4.47	325.6	5.66	4.79			
13.013.5	13.25	325.6	6.72	5.58	325.6	5.42	5.27	325.6	4.69	3.93
13.5-14.0	13.75	325.6	8.69	7.68	325.6	10.75	9.94	325.6	7.38	7.02
14.0-14.5	14.25	325.6	11.00	9.73	325.6	12.55	12.49	325.6	10.58	9.65
14.5-15.0	14.75	325.6	10.29	9.30	325.6	13.39	11.23	325.6	14.19	14.11

Original Concrete, concentration in pounds per cubic yard of concrete

Sample range, in.	Location inches	Slice 48-49, 49F(west to east)			Slice 50-51, 50F(west to east)			Slice 52-53, 53E(west to east)		
		Ca	Cl(total)	Cl(sol)	Ca	Cl(total)	Cl(sol)	Ca	Cl(total)	Cl(sol)
0.0-0.5	0.25	325.6	10.29	9.30	325.6	9.70	8.94	325.6	14.19	14.11
0.5-1.0	0.75	325.6	11.00	9.73	325.6	8.52	7.92	325.6	10.58	9.65
1.0-1.5	1.25	325.6	8.69	7.68	325.6	5.41	4.42	325.6	7.38	7.02
1.5-2.0	1.75	325.6	6.72	5.58	325.6	4.30	3.87	325.6	4.69	3.93
2.0-2.5	2.25	325.6	4.13	3.45	325.6	3.13	2.67	325.6	4.40	3.64
2.5-3.0	2.75	325.6	3.60	3.08	325.6	2.97	2.22	325.6	1.79	1.74
3.0-3.5	3.25	325.6	2.31	1.85	325.6	1.96	1.70	325.6	1.89	1.67
3.5-4.0	3.75	325.6	1.43	1.34	325.6	1.02	0.89	325.6	1.11	0.92
4.0-4.5	4.25	325.6	1.03	0.77	325.6	0.58	0.44	325.6	0.70	0.70
4.5-5.0	4.75	325.6	0.42	0.38	325.6	0.31	0.23	325.6	0.36	0.36
5.0-5.5	5.25	325.6	0.21	0.21	325.6	0.27	0.10	325.6	0.20	0.17
5.5-6.0	5.75	325.6	0.27	0.22	325.6	0.42	0.29	325.6	0.37	0.29
6.0-6.5	6.25	325.6	0.21	0.10	325.6	0.33	0.33	325.6	0.16	0.11
6.5-7.0	6.75	325.6	0.44	0.32	325.6	0.55	0.39	325.6	0.26	0.23
7.0-7.5	7.25	325.6	0.36	0.23	325.6	0.86	0.49	325.6	0.19	0.16
7.5-8.0	7.75	325.6	0.27	0.20	325.6	0.41	0.27	325.6	0.25	0.21
8.0-8.5	8.25	325.6	0.22	0.19	325.6	0.25	0.21	325.6	0.19	0.19
8.5-9.0	8.75	325.6	0.27	0.18	325.6	0.26	0.26	325.6	0.19	0.17
9.0-9.5	9.25	325.6	0.32	0.18	325.6	0.31	0.22	325.6	0.19	0.19
9.5-10.0	9.75	325.6	0.38	0.17	325.6	0.24	0.14	325.6	0.26	0.26
10.0-10.5	10.25	325.6	0.49	0.37	325.6	0.23	0.23	325.6	0.47	0.43
10.5-11.0	10.75	325.6	0.67	0.67	325.6	0.71	0.50	325.6	0.85	0.78
11.0-11.5	11.25	325.6	1.38	1.25	325.6	1.14	1.02	325.6	1.77	1.45
11.5-12.0	11.75	325.6	2.40	2.15	325.6	2.32	1.97	325.6	2.68	2.23
12.0-12.5	12.25	325.6	2.89	2.76	325.6	3.57	3.16	325.6	4.33	3.58
12.5-13.0	12.75	325.6	5.51	4.89	325.6	4.24	3.85	325.6	6.00	4.85
13.0-13.5	13.25	325.6	8.90	7.58	325.6	5.42	5.27	325.6	7.70	6.81
13.5-14.0	13.75	325.6	11.85	10.85	325.6	10.75	9.94	325.6	11.52	10.24
14.0-14.5	14.25	325.6	11.15	10.88	325.6	12.55	12.49	325.6	14.19	11.60
14.5-15.0	14.75	325.6	9.40	8.13	325.6	13.39	11.23	325.6	19.74	16.54

Patch Concrete, concentration in weight pct in powder sample

Sample range, in.	Location inches	Slice 48-49, 49B(east to west)			Slice 50-51, 50B(west to east)			Slice 52-53, 53B(east to west)		
		Ca	Cl(total)	Cl(sol)	Ca	Cl(total)	Cl(sol)	Ca	Cl(total)	Cl(sol)
0.0-0.5	0.25	4.13	0.135	0.086	3.33	0.417	0.404	6.32	0.187	0.167
0.5-1.0	0.75	5.98	0.140	0.116	5.22	0.071	0.066	6.44	0.171	0.170
1.0-1.5	1.25	6.48	0.193	0.172	3.76	0.071	0.065	5.95	0.188	0.180
1.5-2.0	1.75	5.36	0.101	0.088	4.93	0.095	0.092	5.83	0.154	0.153
2.0-2.5	2.25	4.79	0.075	0.064	4.87	0.125	0.118	6.15	0.111	0.111
2.5-3.0	2.75	5.15	0.058	0.053	5.22	0.125	0.117	5.46	0.095	0.094
3.0-3.5	3.25	3.99	0.031	0.031	5.93	0.155	0.150	4.43	0.052	0.052
3.5-4.0	3.75	4.16	0.026	0.019	6.49	0.158	0.158	4.73	0.043	0.042
4.0-4.5	4.25	6.48	0.025	0.019	5.28	0.125	0.113	4.57	0.023	0.023
4.5-5.0	4.75	4.96	0.014	0.010	5.24	0.115	0.110	3.60	0.014	0.013
5.0-5.5	5.25	4.35	0.009	0.006	4.04	0.093	0.083	5.78	0.011	0.010
5.5-6.0	5.75	6.65	0.007	0.005	4.29	0.086	0.076	5.87	0.009	0.008
6.0-6.5	6.25	5.66	0.005	0.004	0.00	0.000	0.000	5.60	0.007	0.006
6.5-7.0	6.75	7.83	0.019	0.017	4.82	0.063	0.060	5.18	0.007	0.007
7.0-7.5	7.25	8.23	0.054	0.047	4.56	0.069	0.051	4.92	0.007	0.006
7.5-8.0	7.75	4.99	0.049	0.040	6.57	0.050	0.043	5.54	0.006	0.006
8.0-8.5	8.25	3.23	0.036	0.032	6.38	0.045	0.033	5.51	0.006	0.005
8.5-9.0	8.75	3.99	0.058	0.050	5.12	0.020	0.017	6.03	0.014	0.014
9.0-9.5	9.25	4.69	0.080	0.076	5.88	0.020	0.015	5.84	0.022	0.021
9.5-10.0	9.75	4.54	0.100	0.087	5.39	0.023	0.021	5.87	0.041	0.041
10.0-10.5	10.25	5.62	0.108	0.097	5.64	0.041	0.037	7.83	0.062	0.062
10.5-11.0	10.75	4.88	0.097	0.090	5.62	0.055	0.050	8.02	0.080	0.079
11.0-11.5	11.25	5.88	0.126	0.108	5.46	0.070	0.067	6.25	0.118	0.116
11.5-12.0	11.75	7.15	0.156	0.148	6.50	0.078	0.072	6.81	0.118	0.116
12.0-12.5	12.25	6.04	0.166	0.151	6.90	0.103	0.095	6.88	0.162	0.158
12.5-13.0	12.75	5.63	0.155	0.148	6.83	0.097	0.090	3.78	0.115	0.115
13.0-13.5	13.25	6.04	0.183	0.164				5.00	0.128	0.127
13.5-14.0	13.75	5.2	0.167	0.149				7.05	0.188	0.184
14.0-14.5	14.25	6.04	0.219	0.196				7.55	0.164	0.143
14.5-15.0	14.75	4.91	0.168	0.153				6.11	0.241	0.222
10.0-10.5	10.25									
10.5-11.0	10.75									
11.0-11.5	11.25				5.36	0.087	0.081			
11.5-12.0	11.75				5.87	0.119	0.107			
12.0-12.5	12.25				7.63	0.219	0.212			
12.5-13.0	12.75				9.23	0.231	0.218			
13.013.5	13.25	4.76	0.182	0.156	5.12	0.159	0.146	5.68	0.148	0.127
13.5-14.0	13.75	5.30	0.205	0.191	5.33	0.233	0.220	7.24	0.178	0.160
14.0-14.5	14.25	5.83	0.189	0.156	5.97	0.223	0.213	6.04	0.209	0.197
14.5-15.0	14.75	4.69	0.433	0.3	5.22	0.090	0.079	5.76	0.290	0.222

Patch Concrete, concentration in pounds per cubic yard of concrete

Sample range, in.	Location inches	Slice 48-49, 49B(east to west)			Slice 50-51, 50B(west to east)			Slice 52-53, 53B(east to west)		
		Ca	Cl(total)	Cl(sol)	Ca	Cl(total)	Cl(sol)	Ca	Cl(total)	Cl(sol)
0.0-0.5	0.25	222.7	7.28	4.64	222.7	27.89	27.02	222.7	6.59	5.89
0.5-1.0	0.75	222.7	5.21	4.32	222.7	3.03	2.82	222.7	5.91	5.88
1.0-1.5	1.25	222.7	6.63	5.91	222.7	4.21	3.85	222.7	7.04	6.74
1.5-2.0	1.75	222.7	4.20	3.66	222.7	4.29	4.16	222.7	5.88	5.84
2.0-2.5	2.25	222.7	3.49	2.98	222.7	5.72	5.40	222.7	4.02	4.02
2.5-3.0	2.75	222.7	2.51	2.29	222.7	5.33	4.99	222.7	3.88	3.83
3.0-3.5	3.25	222.7	1.73	1.73	222.7	5.82	5.63	222.7	2.61	2.61
3.5-4.0	3.75	222.7	1.39	1.02	222.7	5.42	5.42	222.7	2.02	1.98
4.0-4.5	4.25	222.7	0.86	0.65	222.7	5.27	4.77	222.7	1.12	1.12
4.5-5.0	4.75	222.7	0.63	0.45	222.7	4.89	4.68	222.7	0.87	0.80
5.0-5.5	5.25	222.7	0.46	0.31	222.7	5.13	4.58	222.7	0.42	0.39
5.5-6.0	5.75	222.7	0.23	0.17	222.7	4.46	3.95	222.7	0.34	0.30
6.0-6.5	6.25	222.7	0.20	0.16				222.7	0.28	0.24
6.5-7.0	6.75	222.7	0.54	0.48	222.7	2.91	2.77	222.7	0.30	0.30
7.0-7.5	7.25	222.7	1.46	1.27	222.7	3.37	2.49	222.7	0.32	0.27
7.5-8.0	7.75	222.7	2.19	1.79	222.7	1.69	1.46	222.7	0.24	0.24
8.0-8.5	8.25	222.7	2.48	2.21	222.7	1.57	1.15	222.7	0.24	0.20
8.5-9.0	8.75	222.7	3.24	2.79	222.7	0.87	0.74	222.7	0.52	0.52
9.0-9.5	9.25	222.7	3.80	3.61	222.7	0.76	0.57	222.7	0.84	0.80
9.5-10.0	9.75	222.7	4.91	4.27	222.7	0.95	0.87	222.7	1.56	1.56
10.0-10.5	10.25	222.7	4.28	3.84	222.7	1.62	1.46	222.7	1.76	1.76
10.5-11.0	10.75	222.7	4.43	4.11	222.7	2.18	1.98	222.7	2.22	2.19
11.0-11.5	11.25	222.7	4.77	4.09	222.7	2.86	2.73	222.7	4.20	4.13
11.5-12.0	11.75	222.7	4.86	4.61	222.7	2.67	2.47	222.7	3.86	3.79
12.0-12.5	12.25	222.7	6.12	5.57	222.7	3.32	3.07	222.7	5.24	5.11
12.5-13.0	12.75	222.7	6.13	5.85	222.7	3.16	2.93	222.7	6.78	6.78
13.0-13.5	13.25	222.7	6.75	6.05	222.7	3.62	3.37	222.7	5.70	5.66
13.5-14.0	13.75	222.7	7.15	6.38	222.7	4.52	4.06	222.7	5.94	5.81
14.0-14.5	14.25	222.7	8.08	7.23	222.7	6.39	6.19	222.7	4.84	4.22
14.5-15.0	14.75				222.7	5.57	5.26	222.7	8.78	8.09
10.0-10.5	10.25									
10.5-11.0	10.75									
11.0-11.5	11.25									
11.5-12.0	11.75									
12.0-12.5	12.25				222.7	6.39	6.19			
12.5-13.0	12.75				222.7	5.57	5.26			
13.013.5	13.25	222.7	8.52	7.30	222.7	6.92	6.35	222.7	5.80	4.98
13.5-14.0	13.75	222.7	8.61	8.03	222.7	9.74	9.19	222.7	5.48	4.92
14.0-14.5	14.25	222.7	7.22	5.96	222.7	8.32	7.95	222.7	7.71	7.26
14.5-15.0	14.75	222.7	20.56	14.25	222.7	3.84	3.37	222.7	11.21	8.58

Patch Concrete, concentration in pounds per cubic yard of concrete

Sample range, in.	Location inches	Slice 48-49, 49B(west to east)			Slice 50-51, 50B(west to east)			Slice 52-53, 53B(west to east)		
		Ca	Cl(total)	Cl(sol)	Ca	Cl(total)	Cl(sol)	Ca	Cl(total)	Cl(sol)
0.0-0.5	0.25	222.7	20.56	14.25	222.7	27.89	27.02	222.7	11.21	8.58
0.5-1.0	0.75	222.7	7.22	5.96	222.7	3.03	2.82	222.7	7.71	7.26
1.0-1.5	1.25	222.7	8.61	8.03	222.7	4.21	3.85	222.7	5.48	4.92
1.5-2.0	1.75	222.7	6.75	6.05	222.7	4.29	4.16	222.7	5.80	4.98
2.0-2.5	2.25	222.7	6.13	5.85	222.7	5.72	5.40	222.7	6.78	6.78
2.5-3.0	2.75	222.7	6.12	5.57	222.7	5.33	4.99	222.7	5.24	5.11
3.0-3.5	3.25	222.7	4.86	4.61	222.7	5.82	5.63	222.7	3.86	3.79
3.5-4.0	3.75	222.7	4.77	4.09	222.7	5.42	5.42	222.7	4.20	4.13
4.0-4.5	4.25	222.7	4.43	4.11	222.7	5.27	4.77	222.7	2.22	2.19
4.5-5.0	4.75	222.7	4.28	3.84	222.7	4.89	4.68	222.7	1.76	1.76
5.0-5.5	5.25	222.7	4.91	4.27	222.7	5.13	4.58	222.7	1.56	1.56
5.5-6.0	5.75	222.7	3.80	3.61	222.7	4.46	3.95	222.7	0.84	0.80
6.0-6.5	6.25	222.7	3.24	2.79				222.7	0.52	0.52
6.5-7.0	6.75	222.7	2.48	2.21	222.7	2.91	2.77	222.7	0.24	0.20
7.0-7.5	7.25	222.7	2.19	1.79	222.7	3.37	2.49	222.7	0.24	0.24
7.5-8.0	7.75	222.7	1.46	1.27	222.7	1.69	1.46	222.7	0.32	0.27
8.0-8.5	8.25	222.7	0.54	0.48	222.7	1.57	1.15	222.7	0.30	0.30
8.5-9.0	8.75	222.7	0.20	0.16	222.7	0.87	0.74	222.7	0.28	0.24
9.0-9.5	9.25	222.7	0.23	0.17	222.7	0.76	0.57	222.7	0.34	0.30
9.5-10.0	9.75	222.7	0.46	0.31	222.7	0.95	0.87	222.7	0.42	0.39
10.0-10.5	10.25	222.7	0.63	0.45	222.7	1.62	1.46	222.7	0.87	0.80
10.5-11.0	10.75	222.7	0.86	0.65	222.7	2.18	1.98	222.7	1.12	1.12
11.0-11.5	11.25	222.7	1.39	1.02	222.7	2.86	2.73	222.7	2.02	1.98
11.5-12.0	11.75	222.7	1.73	1.73	222.7	2.67	2.47	222.7	2.61	2.61
12.0-12.5	12.25	222.7	2.51	2.29	222.7	3.32	3.07	222.7	3.88	3.83
12.5-13.0	12.75	222.7	3.49	2.98	222.7	5.57	5.26	222.7	4.02	4.02
13.0-13.5	13.25	222.7	4.20	3.66	222.7	6.92	6.35	222.7	5.88	5.84
13.5-14.0	13.75	222.7	6.63	5.91	222.7	9.74	9.19	222.7	7.04	6.74
14.0-14.5	14.25	222.7	5.21	4.32	222.7	8.32	7.95	222.7	5.91	5.88
14.5-15.0	14.75	222.7	7.28	4.64	222.7	3.84	3.37	222.7	6.59	5.89

F.3 AVERAGE CHLORIDE PROFILE DATA – "as-received", 0.5 and 1.0 years ICCP

Original Concrete, AVERAGE concentration in pounds per cubic yard of concrete

Sample range, in.	Location inches	"as-received" Ca	"as-received" Cl(total)	"as-received" Cl(sol)	0.5 year ICCP (49F and 50F) Ca	0.5 year ICCP (49F and 50F) Cl(total)	0.5 year ICCP (49F and 50F) Cl(sol)	1.0 year ICCP Ca	1.0 year ICCP Cl(total)	1.0 year ICCP Cl(sol)
0.0-0.5	0.25	297.0	7.52	7.06	323.1	8.34	7.30	325.6	11.39	10.78
0.5-1.0	0.75	297.0	6.50	6.16	323.1	8.21	7.39	325.6	10.03	9.10
1.0-1.5	1.25	297.0	4.89	3.85	323.1	6.11	5.40	325.6	7.16	6.37
1.5-2.0	1.75	297.0	3.50	3.27	323.1	5.11	4.26	325.6	5.24	4.46
2.0-2.5	2.25	297.0	2.31	2.23	323.1	3.35	2.96	325.6	3.88	3.25
2.5-3.0	2.75	297.0	0.56	0.40	323.1	2.60	2.15	325.6	2.78	2.35
3.0-3.5	3.25	297.0	0.37	0.25	323.1	2.02	1.67	325.6	2.05	1.74
3.5-4.0	3.75	297.0	0.64	0.43	323.1	1.21	1.02	325.6	1.19	1.05
4.0-4.5	4.25	297.0	0.38	0.27	323.1	0.67	0.52	325.6	0.77	0.64
4.5-5.0	4.75	297.0	0.39	0.28	323.1	0.49	0.38	325.6	0.36	0.32
5.0-5.5	5.25	297.0	0.54	0.35	323.1	0.48	0.28	325.6	0.23	0.16
5.5-6.0	5.75	297.0	0.46	0.28	323.1	0.49	0.35	325.6	0.35	0.27
6.0-6.5	6.25	297.0	0.50	0.28	323.1	0.35	0.29	325.6	0.23	0.18
6.5-7.0	6.75	297.0	0.68	0.35	323.1	0.33	0.24	325.6	0.42	0.31
7.0-7.5	7.25	297.0	0.71	0.38	323.1	0.41	0.35	325.6	0.47	0.29
7.5-8.0	7.75	297.0	0.64	0.39	323.1	0.39	0.33	325.6	0.31	0.23
8.0-8.5	8.25	297.0	0.61	0.33	323.1	0.57	0.50	325.6	0.22	0.19
8.5-9.0	8.75	297.0	0.70	0.37	323.1	0.66	0.57	325.6	0.24	0.20
9.0-9.5	9.25	297.0	0.52	0.33	323.1	0.94	0.76	325.6	0.27	0.20
9.5-10.0	9.75	297.0	0.52	0.26	323.1	0.79	0.57	325.6	0.29	0.19
10.0-10.5	10.25	297.0	0.57	0.31	323.1	0.85	0.69	325.6	0.39	0.34
10.5-11.0	10.75	297.0	0.82	0.48	323.1	1.20	1.08	325.6	0.74	0.65
11.0-11.5	11.25	297.0	1.32	0.64	323.1	2.43	2.35	325.6	1.43	1.24
11.5-12.0	11.75	297.0	2.02	1.55	323.1	4.26	3.74	325.6	2.47	2.11
12.0-12.5	12.25	297.0	3.04	2.58	323.1	5.02	4.80	325.6	3.60	3.17
12.5-13.0	12.75	297.0	5.44	3.99	323.1	6.21	5.60	325.6	5.25	4.53
13.0-13.5	13.25	297.0	8.22	5.25	323.1	8.78	8.27	325.6	7.34	6.56
13.5-14.0	13.75	297.0	7.31	6.73	323.1	9.93	9.67	325.6	11.37	10.35
14.0-14.5	14.25	297.0	12.46	11.88	323.1	9.89	9.25	325.6	12.63	11.66
14.5-15.0	14.75	297.0	12.22	11.65	323.1	11.66	10.90	325.6	14.18	11.97

Patch Concrete, AVERAGE concentration in pounds per cubic yard of concrete

Sample range, in.	Location inches	"as-received" Ca	"as-received" Cl(total)	"as-received" Cl(sol)	0.5 year ICCP Ca	0.5 year ICCP Cl(total)	0.5 year ICCP Cl(sol)	1.0 year ICCP Ca	1.0 year ICCP Cl(total)	1.0 year ICCP Cl(sol)
0.0-0.5	0.25	231.2	10.83	10.87	216.2	60.00	60.00	222.7	19.89	16.62
0.5-1.0	0.75	231.2	15.78	15.22	216.2	7.21	6.30	222.7	5.99	5.35
1.0-1.5	1.25	231.2	15.55	15.92	216.2	1.29	0.81	222.7	6.10	5.60
1.5-2.0	1.75	231.2	13.76	13.81	216.2	2.23	1.69	222.7	5.61	5.06
2.0-2.5	2.25	231.2	12.25	12.17	216.2	4.01	3.26	222.7	6.21	6.01
2.5-3.0	2.75	231.2	11.25	10.89	216.2	5.45	4.42	222.7	5.57	5.22
3.0-3.5	3.25	231.2	6.47	6.49	216.2	5.08	4.46	222.7	4.85	4.68
3.5-4.0	3.75	231.2	4.27	4.26	216.2	5.30	5.11	222.7	4.80	4.55
4.0-4.5	4.25	231.2	3.28	3.40	216.2	4.09	3.44	222.7	3.97	3.69
4.5-5.0	4.75	231.2	1.80	1.67	216.2	2.95	2.41	222.7	3.64	3.43
5.0-5.5	5.25	231.2	0.96	1.03	216.2	1.77	1.43	222.7	3.86	3.47
5.5-6.0	5.75	231.2	0.61	0.81	216.2	1.11	0.89	222.7	3.03	2.79
6.0-6.5	6.25	231.2	0.33	0.49	216.2	0.90	0.63	222.7	1.88	1.65
6.5-7.0	6.75	231.2	0.32	0.38	216.2	0.75	0.52	222.7	1.88	1.73
7.0-7.5	7.25	231.2	0.14	0.18	216.2	0.52	0.36	222.7	1.93	1.51
7.5-8.0	7.75	231.2	0.74	0.67	216.2	0.46	0.42	222.7	1.16	1.00
8.0-8.5	8.25	231.2	0.26	0.23	216.2	0.73	0.52	222.7	0.80	0.65
8.5-9.0	8.75	231.2	1.03	0.95	216.2	0.77	0.57	222.7	0.45	0.38
9.0-9.5	9.25	231.2	0.59	0.36	216.2	1.03	0.80	222.7	0.44	0.35
9.5-10.0	9.75	231.2	0.95	0.77	216.2	1.93	1.27	222.7	0.61	0.52
10.0-10.5	10.25	231.2	1.06	0.93	216.2	2.18	1.67	222.7	1.04	0.90
10.5-11.0	10.75	231.2	1.89	1.83	216.2	2.93	2.17	222.7	1.39	1.25
11.0-11.5	11.25	231.2	3.29	3.15	216.2	3.58	2.79	222.7	2.09	1.91
11.5-12.0	11.75	231.2	3.61	3.86	216.2	4.29	3.10	222.7	2.34	2.27
12.0-12.5	12.25	231.2	5.34	5.23	216.2	4.63	3.75	222.7	3.24	3.06
12.5-13.0	12.75	231.2	6.01	6.11	216.2	4.71	3.59	222.7	4.36	4.09
13.0-13.5	13.25	231.2	9.26	9.33	216.2	5.09	3.81	222.7	5.67	5.28
13.5-14.0	13.75	231.2	10.44	10.75	216.2	7.52	6.66	222.7	7.80	7.28
14.0-14.5	14.25	231.2	9.54	9.67	216.2	8.17	6.94	222.7	6.48	6.05
14.5-15.0	14.75	231.2	3.01	2.65	216.2	20.18	19.62	222.7	5.90	4.63