STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

Form HC-10A (Rev. 6/80)

Job Stamp
04-0120F4
SFOBB SAS

Const. Calendar Day No. 517
Project Work Day No. 727
Date 05/13/2008
Shift Hours Start 01:00 Stop 24:00
Inspector Shift 06:30 AM to 3:00 PM

ASSISTANT RESIDENT ENGINEER'S

CONTRACTOR – ABFJV

EQUIPMENT AND/OR LABOR:

Equip. #	NO. MEN	DESCRIPTION (Of Equipment or Labor)	HOURS - ITEM NO. #38 Str. Concrete, Bridge	# 48 Bar Reinforcement Steel								IDLE OR DOWN	REMARKS Name	Contractor
1	1	Gen. Foreman	8										Terry Cronk	ABF
2	1	Pile Driver	12										Tony Crieghton	ABF night
3	1	Pile Driver	12										George Mcneil	ABF night
4	1	Laborer	8										Jose Molina	ABF
5	1	Laborer	8										Rickie Campos	ABF
6	1	Crane Operator	8										Dale Thomas	ABF
7	1	Pile Driver	8										Rodney Thompson	ABF
8	1	Pile Driver J/M	8										Audre Hudson	ABF
9	1	Operator Apprentice/Forklift and Elevator	12										Douglas Greene	ABF night operator
10	1	Pile Driver/Welder	8										Harry Wheat	ABF
11	1	Elevator Operator	12										Howard Schroyer	ABF
12	1	Pile Driver	12										Nigel Lohse	ABF Foreman
13	1	Pile Driver										8	Terry Brown	ABF Gone for 2-3 months
14	1	Pile Driver	8										Darron Smalls	ABF
15	1	Pile Driver										8	Josh Menchaca	ABF off
16	1	Pile Driver	8										Tony Bragg	ABF
18	1	Pile Driver	8										Paul Mason	ABF to Pier 7
19	1	Pile Driver	8										Andy Adam	ABF
20	1	Pile Driver	8										Kurt Chaffion	ABF
21	1	Pile Driver	8										Jeffe Johnasen	ABF
22	1	Pile Driver Foreman										8	Leo Vego	ABF to Pier 7
23	1	Pile Driver										8	Henry Wheat	ABF to Pier 7
24	1	Pile Driver										8	Rickie Yembo	ABF to Pier 7
25	1	Pile Driver										8	Paul Eckistrom	ABF to Pier 7
25	1	Pile Driver	12										Ken Reynolds	ABF
26	1	Iron worker											Tim Greenlee	ABF/RSC
	1	1" Man Lift S-125												Hertz Rental
	1	Lincoln Vantage Welding M/C 768-50-4005	8											ABF
	1	Lincoln Vantage Welding M/C 768-50-4009												ABF
	1	Lincoln Vantage Welding M/C 768-30-4032										8		Hertz Rental

REC'D '08 MAY-31 #004887

	1	Lincoln Vantage Welding M/C 768-30-4014	8											Hertz Rental
	1	MQ Power Generator 220	24											ABF Main power
	1	MQ Whisper Watt 7000 549-07-5006										8		ABF
	1	MQ Whisper Watt 7000 549-20-4007										8		ABF
	1	MQ Whisper Watt 7000 549-20-4044										8		ABF
	1	Ingersoll Rand Air compressor 20-2183	8									8		ABF central
	1	Ingersoll Rand Air Compressor 006-18-4293										8		ABF
	1	Ingersoll Rand Air Compressor 185R										8		ABF Deck
	1	Ingersoll Rand Air Compressor 006-18-4297	8											ABF
	1	Ingersoll Rand Flood Lights 536-40-6831	8											ABF power
	1	Genie 541-4000N Flood Lights 536-40-7044	12											ABF deck S-E
	1	Genie 541-4000N Flood Lights 536-40-4839	12									8		ABF power
	1	Genie 541-4000N Flood Lights 536-40-4843	12									8		ABF power
	1	Genie 541-4000N Flood	12									8		ABF power
	1	Genie 541-4000N Flood	12									8		ABF power
	1	Balden Generator	24											ABF Cooling system
	1	MQ Generator Standby										24		ABF power
	1	Water Chilling System	24											ABF rental
	1	Forklift Hertz Rental 544D-10	8											ABF
	1	Pickup	2											ABF
	1	Elevator	24											ABF

Weather: Sunny morning, wind medium to high, Hi 70 F Lo 52 F, some light in the morning.

Description of Operation:

ABF continues monitoring the thermal control 24 hours a day in 2 x 12 hour shifts.

The cooling water was running at 850 GPM. The inlet temperature was noted at 41.5 degrees F and the outlet temperature was at 43 degrees F. The system was operating at 17.0 psi. The system was checked to withstand pressure of 55 psi as per test of 5/5/08. The total water pumped as of this morning was 9,198,500 gallons.

The concrete temperatures were noted as 34 C on south side, 41 C at the center of the middle wall and 38 C on the east side.

All walls were covered with blankets including all rebars projecting above the walls.

ABF continues to work on the Hinge K assembly.
ABF tried to move the 1st Hinge K Assembly to the top. There were problems from the beginning. They did not have the proper sling. Later it was discovered the support plates for the inner 60 mm plate was about 30 mm too tall. This was resolved by ABF by drilling the bolts holes longer by that much. Once the Assembly was taken up, there were lots of rebars in its way of set up. Many rebars were hand held. A few rebars along the west wall were cut. Once the Assembly was set on the inside support frame, it was discovered that outside 25 mm plate was off by 5 ½ " from the C/L of the support frame. Finally the Assembly was brought back to ground to rework on it. In late afternoon, the Assembly was placed on the supporting frames at Deck.

ABF surveyors gave the elevations for Hinge K Assembly.

The following are in place for the Thermal Control of the Concrete:

- All 3 Water Pumps are operating.
- There are three switch panels and one control panel.
- 6 " diameter steel piping for supply and return.
- Manifolds for each of the four walls for distributing water to various cooling pipe sets..
- Connecting the Blue and Red color 1inch diameter hoses to the manifolds and to the cooling pipes in the walls.
- A water Chiller with its own compressor, power generator etc. all installed on a flat bed trailer, was set under the north side of the W2 Cap False Work, just east of the Storage Tank. Connections were made from the tank to the supply pump to the chiller and return to the tank.
- Vertical steel pipes for the supply and return.
- 4 sets of Manifolds at the top.
- PVC supply & return pipes in each wall at approximately 2' o/c.
- Two Generators to supply power to the Pumps. One generator will supply the power and the other is one on the standby.
- ABF has tied and secured all the piping and installed thrust blocks, lateral ties and supports.

In addition to two generators as part of the cooling system, ABF has three Generators on the Standby for pumps 1, 2 and 3 and a 4th one for the Chiller.

TY Lin's Alex came today to review of the vertical rebars of the South Cages, which need to be cut to allow passage of transverse ducts. RFC's Tim had marked rebars, originally allowed to be cut. RFC will locate the ducts. It was emphasized upon Tim, that the rebars will be cut to keep a clearance of 100 mm on top and bottom. The ducts are not allowed to be crushed. A mushroom head is required on top of the cut rebar. When a bundle of rebars is cut, only one rebar of the bundle needs to have a mushroom head.

Additional Work on/off site:

(a) The Temporary Tower Foundation work continues.
(b) CC Myers continues to work for the W3 and Temporary Foundations in the vicinity.

Inspector:

Lalit Mathur _____ Trans Engineer (D)/Asst. Struct. Rep

Placement: W2 Pour 2 - SCC

Placed on: 06-MAY-08 : 2:00 AM Start

Concrete Mix: SCC with Ocra aggregates (see the 7-10-07 thermal plan)
Cemex Mix Design 160035

Hour	Air Temperature, °C	Center Temperature, °C	Surface Temperature, °C	2nd Surface Temperature, °C	Measured Maximum Temp. Difference, °C	Elapsed (Clock) Time, days	Calculated Concrete Age, days		Estimated In-Place Compressive Strength, psi		Calculated Temperature Difference Limit (from the Estimated Compressive Strength), °C		Combined Temp. Diff. Limit, °C
							Surface Sensor	2nd Surface Sensor	Surface Sensor	2nd Surface Sensor	Surface Sensor	2nd Surface Sensor	
0	10	10	10	10	0.0	0.0	0.0	0.0	0	0	9.80	9.80	9.80
1	11	14	11	12	3.0	0.0	0.0	0.0	57	59	9.80	9.80	9.80
2	12	23	23	21	2.0	0.1	0.1	0.1	147	147	9.80	9.80	9.80
3	12	23	23	22	1.0	0.1	0.1	0.1	268	261	9.80	9.80	9.80
4	12	23	24	22	1.0	0.2	0.1	0.1	390	374	9.80	9.80	9.80
5	12	24	27	23	1.0	0.2	0.2	0.2	519	489	9.96	9.80	9.80
6	13	24	30	25	-1.0	0.3	0.2	0.2	661	609	11.10	10.69	10.69
7	13	25	32	27	-2.0	0.3	0.3	0.3	813	737	12.25	11.69	11.69
8	12	26	34	29	-3.0	0.3	0.4	0.3	970	873	13.38	12.69	12.69
9	12	29	36	31	-2.0	0.4	0.4	0.4	1133	1014	14.49	13.69	13.69
10	12	32	38	33	-1.0	0.4	0.5	0.4	1300	1162	15.56	14.68	14.68
11	13	36	40	35	1.0	0.5	0.6	0.5	1472	1316	16.60	15.66	15.66
12	14	38	41	36	2.0	0.5	0.7	0.6	1645	1472	17.60	16.60	16.60
13	15	40	43	38	2.0	0.5	0.7	0.6	1820	1631	18.54	17.52	17.52
14	17	42	44	40	2.0	0.6	0.8	0.7	1995	1793	19.45	18.40	18.40
15	17	44	46	41	3.0	0.6	0.9	0.8	2171	1957	20.30	19.25	19.25
16	17	45	46	42	3.0	0.7	1.0	0.9	2345	2121	21.11	20.06	20.06
17	16	46	47	43	3.0	0.7	1.1	1.0	2515	2283	21.87	20.83	20.83
18	14	46	48	45	3.0	0.8	1.2	1.0	2682	2446	22.59	21.57	21.57
19	14	49	49	46	3.0	0.8	1.3	1.1	2848	2609	23.27	22.28	22.28
20	14	50	50	46	4.0	0.8	1.3	1.2	3011	2768	23.92	22.95	22.95
21	12	51	50	47	4.0	0.9	1.4	1.3	3170	2924	24.53	23.58	23.58
22	11	52	51	47	5.0	0.9	1.5	1.4	3325	3077	25.11	24.17	24.17
23	11	53	51	48	5.0	1.0	1.6	1.5	3476	3226	25.66	24.74	24.74
24	10	54	51	48	6.0	1.0	1.7	1.6	3622	3372	26.18	25.28	25.28
25	10	54	52	49	5.0	1.0	1.8	1.7	3764	3514	26.67	25.79	25.79
26	10	55	52	49	6.0	1.1	1.9	1.8	3902	3653	27.14	26.28	26.28
27	10	55	53	49	6.0	1.1	2.0	1.8	4036	3787	27.59	26.75	26.75
28	10	56	53	50	6.0	1.2	2.1	1.9	4167	3917	28.03	27.20	27.20
29	11	56	53	50	6.0	1.2	2.2	2.0	4293	4045	28.44	27.62	27.62
30	12	56	53	50	6.0	1.3	2.3	2.1	4414	4168	28.83	28.03	28.03
31	12	57	53	50	7.0	1.3	2.4	2.2	4531	4287	29.20	28.42	28.42
32	12	57	54	51	6.0	1.3	2.5	2.3	4645	4403	29.56	28.79	28.79
33	13	57	54	51	6.0	1.4	2.6	2.4	4755	4516	29.91	29.15	29.15
34	13	58	54	51	7.0	1.4	2.7	2.5	4862	4625	30.24	29.50	29.50
35	15	58	54	51	7.0	1.5	2.8	2.6	4965	4730	30.55	29.83	29.83
36	16	59	54	51	8.0	1.5	2.9	2.7	5064	4832	30.85	30.14	30.14
37	15	59	54	52	7.0	1.5	3.0	2.8	5159	4931	31.14	30.45	30.45
38	16	59	55	52	7.0	1.6	3.1	2.9	5252	5027	31.42	30.74	30.74
39	17	59	55	52	7.0	1.6	3.2	3.0	5342	5120	31.69	31.03	31.03
40	15	60	55	53	7.0	1.7	3.4	3.1	5429	5211	31.95	31.30	31.30
41	12	60	55	53	7.0	1.7	3.5	3.2	5512	5300	32.20	31.56	31.56
42	12	60	55	53	7.0	1.8	3.6	3.3	5593	5385	32.43	31.82	31.82
43	12	60	55	53	7.0	1.8	3.7	3.4	5670	5467	32.66	32.06	32.06
44	10	60	55	53	7.0	1.8	3.8	3.5	5745	5546	32.88	32.30	32.30
45	10	60	55	53	7.0	1.9	3.9	3.6	5818	5623	33.09	32.52	32.52
46	10	61	55	53	8.0	1.9	4.0	3.7	5887	5697	33.29	32.74	32.74
47	10	61	55	53	8.0	2.0	4.1	3.8	5954	5768	33.49	32.95	32.95
48	9	61	55	53	8.0	2.0	4.2	3.9	6019	5837	33.67	33.15	33.15
49	9	61	55	52	9.0	2.0	4.3	4.0	6081	5903	33.85	33.34	33.34
50	10	61	55	52	9.0	2.1	4.4	4.1	6142	5968	34.02	33.52	33.52
51	9	61	55	52	9.0	2.1	4.5	4.2	6200	6026	34.19	33.69	33.69
52	10	61	55	52	9.0	2.2	4.6	4.3	6256	6085	34.35	33.86	33.86
53	10	62	55	52	10.0	2.2	4.7	4.4	6310	6142	34.50	34.02	34.02
54	10	62	55	51	11.0	2.3	4.8	4.5	6363	6197	34.65	34.18	34.18
55	11	62	55	51	11.0	2.3	4.9	4.6	6413	6249	34.79	34.33	34.33
56	12	62	54	51	11.0	2.3	5.0	4.7	6462	6300	34.92	34.47	34.47
57	12	62	54	51	11.0	2.4	5.1	4.8	6508	6348	35.05	34.61	34.61
58	14	62	54	51	11.0	2.4	5.2	4.9	6553	6396	35.17	34.74	34.74
59	14	61	54	51	10.0	2.5	5.3	5.0	6596	6442	35.29	34.87	34.87
60	15	61	54	51	10.0	2.5	5.4	5.1	6638	6486	35.41	34.99	34.99
61	14	61	54	51	10.0	2.5	5.5	5.2	6679	6529	35.52	35.11	35.11
62	13	61	54	51	10.0	2.6	5.6	5.3	6718	6571	35.63	35.23	35.23
63	12	61	54	51	10.0	2.6	5.7	5.4	6756	6611	35.73	35.34	35.34
64	12	61	54	51	10.0	2.7	5.8	5.5	6793	6651	35.83	35.44	35.44
65	11	61	54	51	10.0	2.7	5.9	5.6	6829	6689	35.93	35.55	35.55
66	10	60	54	51	9.0	2.8	6.0	5.7	6863	6725	36.02	35.65	35.65
67	10	60	53	51	9.0	2.8	6.1	5.7	6896	6761	36.11	35.75	35.75
68	10	60	53	50	10.0	2.8	6.2	5.8	6928	6796	36.20	35.84	35.84
69	10	60	53	50	10.0	2.9	6.3	5.9	6959	6829	36.28	35.93	35.93
70	9	60	53	50	10.0	2.9	6.4	6.0	6989	6861	36.36	36.02	36.02
71	9	60	53	50	10.0	3.0	6.5	6.1	7018	6892	36.44	36.10	36.10
72	9	60	53	50	10.0	3.0	6.6	6.2	7047	6922	36.52	36.18	36.18

Do Not Modify These

Coefficient	SCC
A	6961.621747
B	0.399693924
C	3518.561948
D	0.027312979

a	1.01E-18
b	-3.58E-14
c	4.93E-10
d	-3.48E-06
e	1.81E-02
f	9.41E+00

Placement: W2 Pour 2 - SCC

Placed on: 06-MAY-08 : 2:00 AM Start

Concrete Mix: SCC with Ocra aggregates (see the 7-10-07 thermal plan)
Cemex Mix Design 160035

Hour	Air Temperature, °C	Center Temperature, °C	Surface Temperature, °C	2nd Surface Temperature, °C	Measured Maximum Temp. Difference, °C	Elapsed (Clock) Time, days	Calculated Concrete Age, days: Surface Sensor	Calculated Concrete Age, days: 2nd Surface Sensor	Estimated In-Place Compressive Strength, psi: Surface Sensor	Estimated In-Place Compressive Strength, psi: 2nd Surface Sensor	Calculated Temperature Difference Limit (from the Estimated Compressive Strength), °C: Surface Sensor	Calculated Temperature Difference Limit (from the Estimated Compressive Strength), °C: 2nd Surface Sensor	Combined Temp. Diff. Limit, °C
73	9	60	53	50	10.0	3.0	6.7	6.3	7074	6951	36.59	36.26	36.26
74	9	60	52	49	11.0	3.1	6.8	6.4	7101	6980	36.66	36.34	36.34
75	9	60	52	49	11.0	3.1	6.9	6.5	7126	7007	36.73	36.41	36.41
76	9	59	51	49	10.0	3.2	7.0	6.6	7151	7034	36.79	36.48	36.48
77	10	59	51	49	10.0	3.2	7.1	6.7	7175	7059	36.85	36.55	36.55
78	10	59	51	48	11.0	3.3	7.2	6.8	7198	7084	36.92	36.62	36.62
79	11	59	51	48	11.0	3.3	7.3	6.9	7220	7108	36.97	36.68	36.68
80	12	59	51	48	11.0	3.3	7.4	7.0	7242	7132	37.03	36.74	36.74
81	13	59	51	48	11.0	3.4	7.5	7.1	7263	7154	37.09	36.80	36.80
82	14	59	50	48	11.0	3.4	7.6	7.1	7284	7177	37.14	36.86	36.86
83	16	58	50	48	10.0	3.5	7.7	7.2	7304	7198	37.19	36.92	36.92
84	17	58	50	48	10.0	3.5	7.8	7.3	7323	7219	37.24	36.97	36.97
85	17	58	50	48	10.0	3.5	7.9	7.4	7342	7240	37.29	37.03	37.03
86	15	58	50	47	11.0	3.6	8.0	7.5	7361	7260	37.34	37.08	37.08
87	17	57	50	47	10.0	3.6	8.1	7.6	7379	7279	37.39	37.13	37.13
88	15	57	50	47	10.0	3.7	8.2	7.7	7396	7298	37.43	37.18	37.18
89	14	57	50	47	10.0	3.7	8.3	7.8	7414	7316	37.48	37.23	37.23
90	13	57	49	47	10.0	3.8	8.4	7.9	7430	7334	37.52	37.27	37.27
91	12	57	49	47	10.0	3.8	8.5	8.0	7446	7352	37.56	37.32	37.32
92	11	57	49	47	10.0	3.8	8.6	8.0	7462	7369	37.60	37.36	37.36
93	10	56	49	46	10.0	3.9	8.7	8.1	7478	7386	37.64	37.41	37.41
94	10	56	49	46	10.0	3.9	8.7	8.2	7493	7402	37.68	37.45	37.45
95	10	56	48	46	10.0	4.0	8.8	8.3	7508	7418	37.72	37.49	37.49
96	10	56	48	46	10.0	4.0	8.9	8.4	7522	7433	37.76	37.53	37.53
97	10	56	48	46	10.0	4.0	9.0	8.5	7536	7448	37.79	37.57	37.57
98	9	56	48	46	10.0	4.1	9.1	8.6	7549	7463	37.83	37.61	37.61
99	9	55	48	45	10.0	4.1	9.2	8.7	7563	7477	37.86	37.64	37.64
100	9	55	47	45	10.0	4.2	9.3	8.7	7576	7491	37.89	37.68	37.68
101	10	55	47	45	10.0	4.2	9.4	8.8	7589	7505	37.93	37.71	37.71
102	10	55	47	45	10.0	4.3	9.5	8.9	7601	7518	37.96	37.75	37.75
103	11	55	47	44	11.0	4.3	9.6	9.0	7613	7531	37.99	37.78	37.78
104	12	54	47	44	10.0	4.3	9.6	9.1	7625	7544	38.02	37.81	37.81
105	13	54	46	44	10.0	4.4	9.7	9.2	7637	7556	38.05	37.84	37.84
106	14	54	46	44	10.0	4.4	9.8	9.2	7648	7569	38.08	37.88	37.88
107	16	54	46	44	10.0	4.5	9.9	9.3	7660	7581	38.11	37.91	37.91
108	16	54	46	44	10.0	4.5	10.0	9.4	7671	7593	38.13	37.94	37.94
109	17	54	46	44	10.0	4.5	10.1	9.5	7682	7604	38.16	37.97	37.97
110	17	53	46	44	9.0	4.6	10.2	9.6	7692	7616	38.19	37.99	37.99
111	17	53	46	43	10.0	4.6	10.3	9.7	7703	7627	38.21	38.02	38.02
112	14	53	46	43	10.0	4.7	10.3	9.7	7713	7637	38.24	38.05	38.05
113	12	53	46	43	10.0	4.7	10.4	9.8	7723	7648	38.27	38.08	38.08
114	12	53	46	43	10.0	4.8	10.5	9.9	7733	7659	38.29	38.10	38.10
115	12	52	45	43	9.0	4.8	10.6	10.0	7743	7669	38.32	38.13	38.13
116	12	52	45	42	10.0	4.8	10.7	10.1	7753	7679	38.34	38.16	38.16
117	11	52	45	42	10.0	4.9	10.8	10.1	7762	7689	38.36	38.18	38.18
118	11	51	45	42	9.0	4.9	10.9	10.2	7771	7698	38.39	38.20	38.20
119	11	51	45	42	9.0	5.0	10.9	10.3	7781	7708	38.41	38.23	38.23
120	10	51	44	42	9.0	5.0	11.0	10.4	7790	7717	38.43	38.25	38.25
121	10	51	44	41	10.0	5.0	11.1	10.5	7798	7726	38.45	38.27	38.27
122	10	51	44	41	10.0	5.1	11.2	10.5	7807	7735	38.48	38.30	38.30
123	9	50	44	41	9.0	5.1	11.3	10.6	7816	7744	38.50	38.32	38.32
124	9	50	44	41	9.0	5.2	11.4	10.7	7824	7753	38.52	38.34	38.34
125	10	50	43	40	10.0	5.2	11.4	10.8	7832	7761	38.54	38.36	38.36
126	10	50	43	40	10.0	5.3	11.5	10.8	7840	7770	38.56	38.38	38.38
127	11	50	43	40	10.0	5.3	11.6	10.9	7848	7778	38.58	38.40	38.40
128	12	49	43	40	9.0	5.3	11.7	11.0	7856	7786	38.60	38.42	38.42
129	12	49	43	40	9.0	5.4	11.8	11.1	7864	7794	38.62	38.44	38.44
130	13	49	42	40	9.0	5.4	11.9	11.1	7872	7802	38.64	38.46	38.46
131	15	49	42	40	9.0	5.5	11.9	11.2	7879	7810	38.65	38.48	38.48
132	16	49	42	40	9.0	5.5	12.0	11.3	7887	7818	38.67	38.50	38.50
133	17	48	42	40	8.0	5.5	12.1	11.4	7894	7825	38.69	38.52	38.52
134	18	48	42	40	8.0	5.6	12.2	11.5	7901	7833	38.71	38.54	38.54
135	17	48	42	39	9.0	5.6	12.3	11.5	7909	7840	38.73	38.56	38.56
136	15	48	42	39	9.0	5.7	12.3	11.6	7916	7847	38.74	38.58	38.58
137	14	48	42	39	9.0	5.7	12.4	11.7	7923	7855	38.76	38.59	38.59
138	13	47	41	39	8.0	5.8	12.5	11.7	7930	7862	38.78	38.61	38.61
139	12	47	41	39	8.0	5.8	12.6	11.8	7936	7869	38.79	38.63	38.63
140	12	47	41	39	8.0	5.8	12.6	11.9	7943	7876	38.81	38.65	38.65
141	12	47	41	38	9.0	5.9	12.7	12.0	7950	7883	38.83	38.66	38.66
142	12	47	41	38	9.0	5.9	12.8	12.0	7956	7889	38.84	38.68	38.68
143	12	47	40	38	9.0	6.0	12.9	12.1	7963	7896	38.86	38.70	38.70
144	12	46	40	38	8.0	6.0	13.0	12.2	7969	7903	38.88	38.71	38.71
145	11	46	40	37	9.0	6.0	13.0	12.3	7976	7909	38.89	38.73	38.73

Do Not Modify These

Coefficient	SCC

Placement: W2 Pour 2 - SCC

Placed on: 06-MAY-08 : 2:00 AM Start

Concrete Mix: SCC with Ocra aggregates (see the 7-10-07 thermal plan)
Cemex Mix Design 160035

Hour	Air Temperature, °C	Center Temperature, °C	Surface Temperature, °C	2nd Surface Temperature, °C	Measured Maximum Temp. Difference, °C	Elapsed (Clock) Time, days	Calculated Concrete Age, days		Estimated In-Place Compressive Strength, psi		Calculated Temperature Difference Limit (from the Estimated Compressive Strength), °C		Combined Temp. Diff. Limit, °C
							Surface Sensor	2nd Surface Sensor	Surface Sensor	2nd Surface Sensor	Surface Sensor	2nd Surface Sensor	
146	11	46	40	37	9.0	6.1	13.1	12.3	7982	7915	38.91	38.74	38.74
147	11	46	40	37	9.0	6.1	13.2	12.4	7988	7921	38.92	38.76	38.76
148	11	46	40	37	9.0	6.2	13.3	12.5	7994	7928	38.94	38.77	38.77
149	12	46	40	37	9.0	6.2	13.3	12.5	8000	7934	38.95	38.79	38.79
150	12	46	40	36	10.0	6.3	13.4	12.6	8007	7940	38.97	38.80	38.80
151	13	45	39	36	9.0	6.3	13.5	12.7	8013	7946	38.98	38.82	38.82
152	13	45	39	36	9.0	6.3	13.6	12.7	8018	7952	39.00	38.83	38.83
153	15	45	39	36	9.0	6.4	13.6	12.8	8024	7957	39.01	38.85	38.85
154	16	45	39	36	9.0	6.4	13.7	12.9	8030	7963	39.02	38.86	38.86
155	16	45	39	36	9.0	6.5	13.8	12.9	8036	7969	39.04	38.87	38.87
156	17	45	39	36	9.0	6.5	13.9	13.0	8042	7975	39.05	38.89	38.89
157	16	44	39	36	8.0	6.5	13.9	13.1	8047	7980	39.06	38.90	38.90
158	17	44	38	36	8.0	6.6	14.0	13.2	8053	7986	39.08	38.92	38.92
159	17	44	38	36	8.0	6.6	14.1	13.2	8058	7991	39.09	38.93	38.93
160	17	44	38	36	8.0	6.7	14.1	13.3	8064	7997	39.10	38.94	38.94
161	17	44	38	36	8.0	6.7	14.2	13.4	8069	8002	39.12	38.96	38.96
162	16	43	38	36	7.0	6.8	14.3	13.4	8074	8008	39.13	38.97	38.97
163	14	43	38	35	8.0	6.8	14.4	13.5	8080	8013	39.14	38.98	38.98
164	13	43	38	35	8.0	6.8	14.4	13.6	8085	8019	39.16	39.00	39.00
165	13	43	37	35	8.0	6.9	14.5	13.6	8090	8024	39.17	39.01	39.01
166	12	43	37	35	8.0	6.9	14.6	13.7	8096	8029	39.18	39.02	39.02
167	12	42	37	35	7.0	7.0	14.6	13.8	8101	8034	39.19	39.03	39.03
168	12	42	37	35	7.0	7.0	14.7	13.8	8106	8039	39.21	39.05	39.05
169	12	42	37	34	8.0	7.0	14.8	13.9	8111	8044	39.22	39.06	39.06
170	12	42	37	34	8.0	7.1	14.8	14.0	8116	8049	39.23	39.07	39.07
171	12	42	37	34	8.0	7.1	14.9	14.0	8121	8054	39.24	39.08	39.08
172	12	41	36	34	7.0	7.2	15.0	14.1	8126	8059	39.25	39.09	39.09
173					0.0	7.2	15.1	14.1	8131	8064	39.27	39.11	39.11
174					0.0	7.3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
175					0.0	7.3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
176					0.0	7.3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
177					0.0	7.4	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
178					0.0	7.4	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
179					0.0	7.5	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
180					0.0	7.5	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
181					0.0	7.5	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
182					0.0	7.6	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
183					0.0	7.6	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
184					0.0	7.7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
185					0.0	7.7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
186					0.0	7.8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
187					0.0	7.8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
188					0.0	7.8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
189					0.0	7.9	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
190					0.0	7.9	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
191					0.0	8.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
192					0.0	8.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
193					0.0	8.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
194					0.0	8.1	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
195					0.0	8.1	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
196					0.0	8.2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
197					0.0	8.2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
198					0.0	8.3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
199					0.0	8.3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
200					0.0	8.3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
201					0.0	8.4	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
202					0.0	8.4	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
203					0.0	8.5	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
204					0.0	8.5	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
205					0.0	8.5	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
206					0.0	8.6	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
207					0.0	8.6	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
208					0.0	8.7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
209					0.0	8.7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
210					0.0	8.8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
211					0.0	8.8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
212					0.0	8.8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
213					0.0	8.9	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
214					0.0	8.9	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
215					0.0	9.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
216					0.0	9.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
217					0.0	9.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
218					0.0	9.1	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Do Not Modify These

Coefficient	SCC

Placement: W2 Pour 2 - SCC

Placed on: 06-MAY-08 : 2:00 AM Start

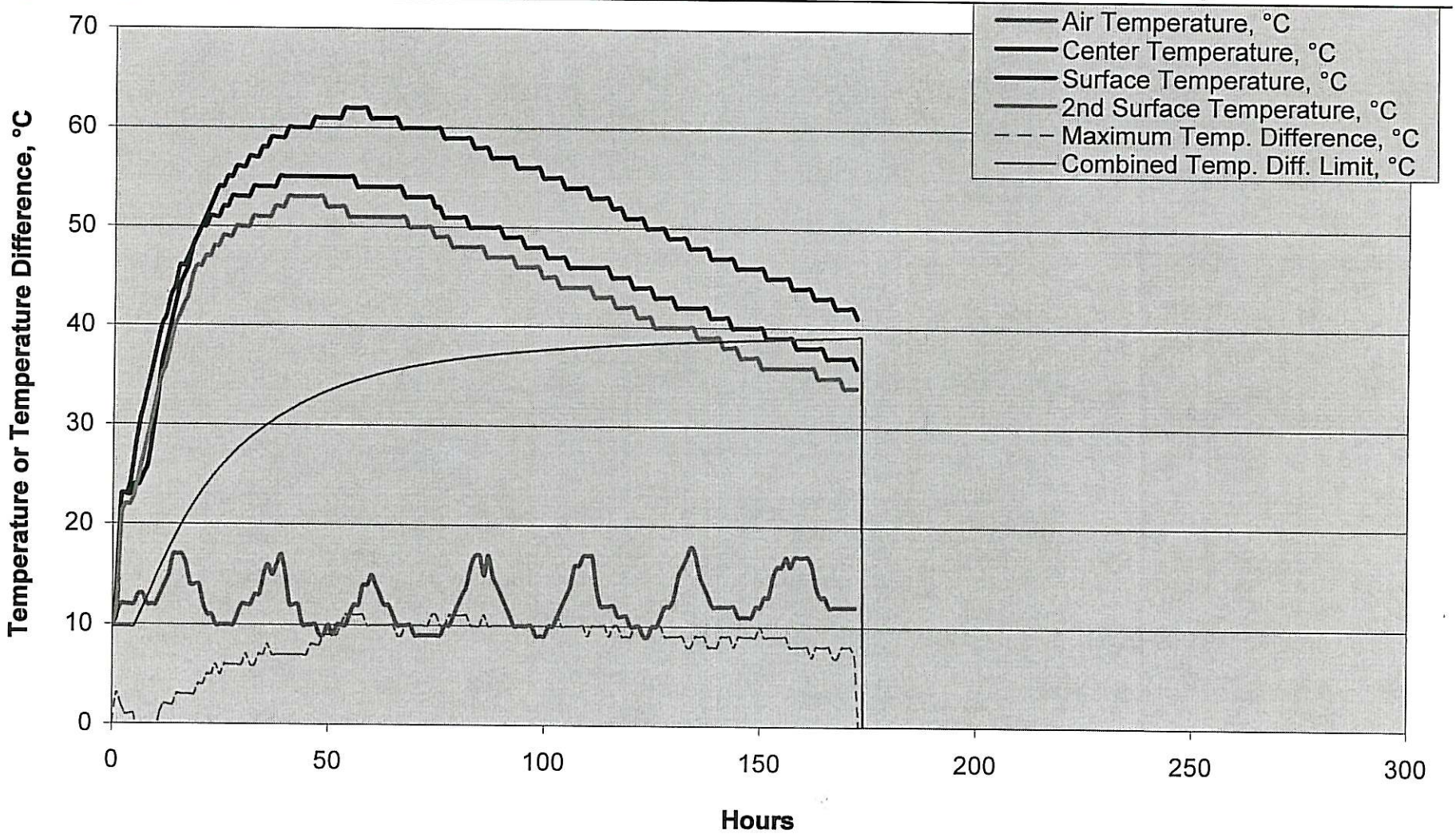
Concrete Mix: SCC with Ocra aggregates (see the 7-10-07 thermal plan)
Cemex Mix Design 160035

Hour	Air Temperature, °C	Center Temperature, °C	Surface Temperature, °C	2nd Surface Temperature, °C	Measured Maximum Temp. Difference, °C	Elapsed (Clock) Time, days	Calculated Concrete Age, days		Estimated In-Place Compressive Strength, psi		Calculated Temperature Difference Limit (from the Estimated Compressive Strength), °C		Combined Temp. Diff. Limit, °C
							Surface Sensor	2nd Surface Sensor	Surface Sensor	2nd Surface Sensor	Surface Sensor	2nd Surface Sensor	
219					0.0	9.1	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
220					0.0	9.2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
221					0.0	9.2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
222					0.0	9.3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
223					0.0	9.3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
224					0.0	9.3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
225					0.0	9.4	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
226					0.0	9.4	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
227					0.0	9.5	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
228					0.0	9.5	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
229					0.0	9.5	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
230					0.0	9.6	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
231					0.0	9.6	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
232					0.0	9.7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
233					0.0	9.7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
234					0.0	9.8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
235					0.0	9.8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
236					0.0	9.8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
237					0.0	9.9	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
238					0.0	9.9	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
239					0.0	10.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Do Not Modify These

Coefficient	SCC

Placement: W2 Pour 2 - SCC

Placed on: 06-MAY-08 : 2:00 AM Start

Concrete Mix: SCC with Ocra aggregates (see the 7-10-07 thermal plan)
Cemex Mix Design 160035