



**SACRAMENTO AREA FLOOD CONTROL AGENCY
NATOMAS LEVEE IMPROVEMENT PROJECT**

MASTER SCHEDULE
Updated 10-23-08

ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1	Program Management	1785 days	Mon 5/1/06	Fri 3/1/13		
2	Required Actions by Others	1226 days	Mon 5/1/06	Mon 1/10/11		SAFCA,MBK
3	Corps	1186 days	Mon 5/1/06	Mon 11/15/10		
4	General Re-Evaluation Report	1121 days	Mon 5/1/06	Mon 8/16/10		
5	Chief's Report	65 days	Tue 8/17/10	Mon 11/15/10	4	
6	Congress	40 days	Tue 11/16/10	Mon 1/10/11		
7	Congressional Authorization of Chiefs Report	40 days	Tue 11/16/10	Mon 1/10/11	5	
8	Environmental Compliance	592 days	Fri 9/14/07	Mon 12/21/09		
9	Phase II - CEQA Compliance	390 days	Fri 9/14/07	Fri 3/13/09		
10	SAFCA issues Draft EIR	0 days	Fri 9/14/07	Fri 9/14/07	1375	SAFCA
11	Draft EIR presented to SAFCA Board	1 day	Thu 9/20/07	Thu 9/20/07	10	SAFCA
12	Public Comment Period	31 days	Mon 9/17/07	Mon 10/29/07	11	SAFCA
13	Public Hearing on Draft EIR before SAFCA Board	1 day	Thu 10/18/07	Thu 10/18/07	11	SAFCA
14	Prepare Response to Comments Final EIR	14 days	Tue 10/30/07	Fri 11/16/07	13	EDAW
15	Issue Final EIR	1 day	Mon 11/19/07	Mon 11/19/07	14	SAFCA
16	Agency Review Period	8 edays	Mon 11/19/07	Tue 11/27/07	15	
17	SAFCA Board certifies Final EIR	1 day	Thu 11/29/07	Thu 11/29/07	16	SAFCA
18	Supplemental EIR	130 days	Mon 9/15/08	Fri 3/13/09		
19	EDAW receives complete Project Description from SAFCA (no changes after this date)	9 days	Mon 9/15/08	Thu 9/25/08		EDAW
20	NOP Preparation	3 days	Fri 9/26/08	Tue 9/30/08	19	EDAW
21	SAFCA issues NOP	1 day	Thu 10/2/08	Thu 10/2/08	20	EDAW
22	Public scoping period (30 days)	32 edays	Thu 10/2/08	Mon 11/3/08	21	EDAW
23	EDAW prepares Admin Draft SEIR	30 days	Fri 10/3/08	Thu 11/13/08	21	EDAW
24	SAFCA reviews Admin Draft SEIR	5 edays	Thu 11/13/08	Tue 11/18/08	23	EDAW
25	EDAW revises Admin Draft SEIR	10 days	Wed 11/19/08	Tue 12/2/08	24	EDAW
26	SAFCA reviews Screencheck Draft SEIR	3 days	Wed 12/3/08	Fri 12/5/08	25	EDAW
27	EDAW finalizes and produces Public Draft SEIR	5 days	Mon 12/8/08	Fri 12/12/08	26	EDAW
28	SAFCA issues draft SEIR	0 days	Fri 12/12/08	Fri 12/12/08	27	EDAW
29	Public comment period (45 days)	45 edays	Fri 12/12/08	Mon 1/26/09	28	EDAW
30	Prepare Response to Comments (Final SEIR)	18 edays	Mon 1/26/09	Fri 2/13/09	29	EDAW
31	SAFCA review Final SEIR	2 edays	Fri 2/13/09	Sun 2/15/09	30	EDAW
32	EDAW finalizes and produces Final SEIR	5 edays	Sun 2/15/09	Fri 2/20/09	31	EDAW
33	Agency 10-day review period	10 edays	Fri 2/20/09	Mon 3/2/09	32	EDAW
34	SAFCA certifies SEIR, files NOD	9 days	Tue 3/3/09	Fri 3/13/09	33	EDAW
35	Phase II - NEPA Compliance	322 days	Fri 9/14/07	Mon 12/8/08		
36	Notice of Intent posted in Federal Register	0 days	Thu 1/31/08	Fri 2/8/08	1374,1294,1226	
37	Corps holds Public Scoping Meeting	1 day	Wed 1/9/08	Wed 1/9/08		
38	Draft EIS	226 days	Fri 9/14/07	Mon 7/28/08		
39	Preparation of Admin Draft EIS (SAFCA)	30 days	Fri 9/14/07	Thu 10/25/07	10	
40	Corps reviews Admin Draft EIS	30 days	Fri 10/26/07	Thu 12/6/07	39	
41	Preparation of 2nd Admin Draft EIS (SAFCA)	65 days	Sat 12/1/07	Fri 2/29/08	40	
42	Corps reviews 2nd Admin Draft EIS	10 days	Sat 3/1/08	Fri 3/14/08	41	
43	SPD reviews 2nd Admin Draft EIS	3 days	Mon 3/17/08	Wed 3/19/08	42	
44	HQ reviews 2nd Admin Draft EIS	10 days	Thu 3/20/08	Wed 4/2/08	43	
45	Submit Screen check draft EIS (SAFCA)	12 days	Thu 4/3/08	Fri 4/18/08	44	
46	Corps reviews Screen check draft EIS	10 days	Mon 4/21/08	Fri 5/2/08	45	
47	Submit 2nd Screen check draft EIS (SAFCA)	5 days	Mon 5/5/08	Fri 5/9/08	46	
48	Corps 2nd reviews Screen check draft EIS	4 days	Mon 5/12/08	Thu 5/15/08	47	
49	HQ Approves Release of EIS	14 days	Fri 5/16/08	Wed 6/4/08	48	
50	Notice of Availability Draft EIS Posted in Federal Register & Public Notice	7 days	Thu 6/5/08	Fri 6/13/08	49	CORPS
51	Draft EIS Public Review Period	45 edays	Fri 6/13/08	Mon 7/28/08	50	
52	Final EIS	96 days	Mon 7/28/08	Mon 12/8/08		
53	Respond to Public Comments (SAFCA)	20 days	Mon 7/28/08	Fri 8/22/08	51	EDAW
54	Corps reviews response to comments	10 days	Mon 8/25/08	Fri 9/5/08	53	CORPS
55	Preparation of Admin Final EIS & Response to Comments (SAFCA)	19 days	Tue 7/29/08	Fri 8/22/08	221,51	EDAW
56	Corps (SPK, DST, HQ) reviews Admin Final EIS	10 days	Mon 8/25/08	Fri 9/5/08	55	CORPS
57	Finalize Final EIS (SAFCA)	21 days	Wed 10/1/08	Wed 10/29/08	56,189	SAFCA
58	Notice of Availability Final EIS posted in Federal Register & Public Notice	7 days	Thu 10/30/08	Fri 11/7/08	57	CORPS
59	Final EIS Public Review Period	30 edays	Fri 11/7/08	Sun 12/7/08	58	
60	Draft ROD prepared	5 days	Thu 10/30/08	Wed 11/5/08	57	CORPS
61	SPD/HQ reviews draft ROD	5 days	Mon 11/10/08	Fri 11/14/08	58,60	CORPS
62	Finalize ROD	6 days	Mon 11/17/08	Mon 11/24/08	61	EDAW
63	ROD Issued	1 day	Mon 12/8/08	Mon 12/8/08	59,62	CORPS
64	Phase III - NEPA/CEQA Compliance	270 days	Tue 5/27/08	Mon 6/8/09		
65	Preparation of Draft NOI	10 days	Thu 6/26/08	Wed 7/9/08	50	SAFCA
66	Notice of Intent posted in Federal Register	7 days	Thu 7/10/08	Fri 7/18/08	65	SPK
67	Issue NOP	1 day	Fri 7/18/08	Fri 7/18/08	66FF	EDAW
68	Corps holds Public Scoping Meeting	1 day	Wed 8/6/08	Wed 8/6/08	66FS+12 days	SPK,EDAW
69	Public Scoping Comment Period	30.38 edays	Fri 7/18/08	Sun 8/17/08	67,66	
70	Draft EIS/EIR	190 days	Tue 5/27/08	Mon 2/16/09		
71	Coordinate with Corps on preparation of Admin Draft EIS/EIR (SAFCA)	37 days	Tue 5/27/08	Wed 7/16/08	1530,1613,2395,1834,1756	SAFCA
72	Preparation of Admin Draft EIS/EIR (SAFCA)	55 days	Thu 7/17/08	Wed 10/1/08	71	SAFCA
73	SPK reviews Admin Draft EIS/EIR	13 days	Thu 10/2/08	Mon 10/20/08	72	SPK
74	Revise Admin Draft EIS/EIR (SAFCA)	14 days	Tue 10/21/08	Fri 11/7/08	73	SAFCA
75	SPD reviews 2nd Admin Draft EIS/EIR	10 days	Mon 11/10/08	Fri 11/21/08	74	SPD
76	HQ reviews 2nd Admin Draft EIS/EIR	10 days	Mon 11/10/08	Fri 11/21/08	74	HQ
77	Revises 2nd Admin Draft EIS/EIR (SAFCA)	11 days	Mon 11/24/08	Mon 12/8/08	76,75	SAFCA
78	Corps (SPK,DST,HQ) reviews revised screen check 2nd draft EIS/EIR	9 days	Tue 12/9/08	Fri 12/19/08	77	SPK,DST,HQ
79	HQ Approves Release of Draft EIS/EIR	1 day	Mon 12/22/08	Mon 12/22/08	78	HQ
80	Notice of Availability Draft EIS/EIR Posted in Federal Register & Public Notice	9 days	Tue 12/23/08	Fri 1/2/09	79	SPK
81	Draft EIS/EIR Public Review Period	45 edays	Fri 1/2/09	Mon 2/16/09	80	
82	Draft EIS/EIR presented to SAFCA Board	1 day	Mon 1/5/09	Mon 1/5/09	80	SAFCA
83	Public Hearing on Draft EIS/EIR before SAFCA Board	1 day	Mon 1/19/09	Mon 1/19/09	80FS+10 days	SAFCA
84	Final EIS/EIR	80 days	Tue 2/17/09	Mon 6/8/09		
85	Respond to Public Comments (SAFCA)	10 days	Tue 2/17/09	Mon 3/2/09	81	SAFCA
86	SPK reviews response to comments	10 days	Tue 3/3/09	Mon 3/16/09	85	SPK
87	Preparation of Admin Final EIS/EIR & Draft ROD (SAFCA)	5 days	Tue 3/17/09	Mon 3/23/09	86	SAFCA
88	SPK/HQ/DST reviews Admin Final EIS/EIR & Draft ROD	10 days	Tue 3/24/09	Mon 4/6/09	87	SPK
89	Revises Admin Final EIS/EIR & Draft ROD (SAFCA)	10 days	Tue 4/7/09	Mon 4/20/09	88,329	SAFCA
90	HQ Approves Release of Final EIS/EIR	5 days	Tue 4/21/09	Mon 4/27/09	89	HQ
91	CEQA Approval Process	23 days	Mon 4/20/09	Thu 5/21/09		
92	Final EIR Public Review Period	10 edays	Mon 4/20/09	Thu 4/30/09	89	
93	SAFCA Board certifies Final EIR & Approves Project	1 day	Thu 5/21/09	Thu 5/21/09	92	SAFCA
94	NEPA Approval Process	30 days	Tue 4/28/09	Mon 6/8/09		
95	Notice of Availability Final EIS posted in Federal Register & Public Notice	9 days	Tue 4/28/09	Fri 5/8/09	90	CORPS
96	Final EIS Public Review Period	30 edays	Fri 5/8/09	Sun 6/7/09	95	
97	ROD Issued	1 day	Mon 6/8/09	Mon 6/8/09	96	CORPS
98	Phase IV - NEPA/CEQA Compliance	253 days	Thu 1/1/09	Mon 12/21/09		
99	Preparation of Draft NOI	10 days	Thu 1/1/09	Wed 1/14/09		
100	Notice of Intent posted in Federal Register	7 days	Thu 1/15/09	Fri 1/23/09	99	CORPS
101	Issue NOP	1 day	Fri 1/23/09	Fri 1/23/09	100FF	EDAW
102	Corps holds Public Scoping Meeting	1 day	Mon 2/16/09	Mon 2/16/09	100FS+15 days	CORPS,EDAW
103	Public Scoping Comment Period	30 edays	Fri 1/23/09	Sun 2/22/09	101,100	
104	Draft EIS/EIR	149 days	Mon 2/23/09	Thu 9/17/09		
105	Coordinate with Corps on preparation of Admin Draft EIS/EIR (SAFCA)	20 days	Mon 2/23/09	Fri 3/20/09	103	SAFCA
106	Preparation of Admin Draft EIS/EIR (SAFCA)	15 days	Mon 3/23/09	Fri 4/10/09	105	SAFCA



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ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names
107	SPK reviews Admin Draft EIS/EIR	10 days	Mon 4/13/09	Fri 4/24/09	106	CORPS
108	Revise 2nd Admin Draft EIS/EIR (SAFCA)	14 days	Mon 4/27/09	Thu 5/14/09	107	SAFCA
109	SPD reviews 2nd Admin Draft EIS/EIR	10 days	Fri 5/15/09	Thu 5/28/09	108	CORPS
110	HQ reviews 2nd Admin Draft EIS/EIR	10 days	Fri 5/15/09	Thu 5/28/09	108	CORPS
111	Revise 2nd Admin Draft EIS/EIR (SAFCA)	10 days	Fri 5/29/09	Thu 6/11/09	109,110	SAFCA
112	Corps (SPK,DST,HQ) reviews revised screen check draft EIS/EIR	9 days	Fri 6/12/09	Wed 6/24/09	111	CORPS
113	HQ Approves Release of Draft EIR/EIS	1 day	Thu 6/25/09	Thu 6/25/09	112	CORPS
114	Notice of Availability Draft EIS/EIR Posted in Federal Register & Public Notice	11 days	Fri 6/26/09	Fri 7/10/09	113	CORPS
115	Draft EIS/EIR Public Review Period	45 edays	Fri 7/10/09	Mon 8/24/09	114	SAFCA
116	Draft EIS/EIR presented to SAFCA Board	1 day	Thu 9/17/09	Thu 9/17/09	114	SAFCA
117	Public Hearing on Draft EIS/EIR before SAFCA Board	1 day	Mon 7/27/09	Mon 7/27/09	114FS+10 days	SAFCA
118	Final EIS/EIR	85 days	Tue 8/25/09	Mon 12/21/09		
119	Respond to Public Comments (SAFCA)	10 days	Tue 8/25/09	Mon 9/7/09	115	SAFCA
120	SPK reviews response to comments	10 days	Tue 9/8/09	Mon 9/21/09	119	CORPS
121	Preparation of Admin Final EIS/EIR & Draft ROD (SAFCA)	5 days	Tue 9/22/09	Mon 9/28/09	120	SAFCA
122	SPK reviews Admin Final EIS/EIR & Draft ROD	10 days	Tue 9/29/09	Mon 10/12/09	121	CORPS
123	Revises Admin Final EIS/EIR & Draft ROD (SAFCA)	10 days	Thu 10/22/09	Thu 11/5/09	122,417	SAFCA
124	HQ Approves Release of Final EIS/EIR	5 days	Thu 11/5/09	Thu 11/12/09	123	CORPS
125	CEQA Approval Process	10.5 days	Thu 11/5/09	Thu 11/19/09		
126	Final EIR Public Review Period	10 edays	Thu 11/5/09	Sun 11/15/09	123	SAFCA
127	SAFCA Board certifies Final EIR & Approves Project	1 day	Thu 11/19/09	Thu 11/19/09	126FF	SAFCA
128	NEPA Approval Process	27.5 days	Thu 11/12/09	Mon 12/21/09		
129	Notice of Availability Final EIS posted in Federal Register & Public Notice	6 days	Thu 11/12/09	Fri 11/20/09	124	CORPS
130	Final EIS Public Review Period	30 edays	Fri 11/20/09	Sun 12/20/09	129	SAFCA
131	ROD Issued	1 day	Mon 12/21/09	Mon 12/21/09	130	CORPS
132	Permits	668 days	Wed 8/1/07	Fri 2/19/10		
133	Permitting for Phase II - Construction	502 days	Wed 8/1/07	Thu 7/2/09		
134	2081 CESA Compliance	304 days	Tue 1/15/08	Fri 3/13/09		
135	Prepare Application	40 days	Tue 1/15/08	Mon 3/10/08	10	EDAW
136	CDFG-SAFCA Staffing Agreement	5 days	Tue 1/15/08	Mon 1/21/08	135SS	SAFCA
137	SAFCA Reviews Application	10 days	Tue 3/11/08	Mon 3/24/08	135	SAFCA
138	Incorporate SAFCA Comments	47 days	Tue 3/25/08	Wed 5/28/08	137	EDAW
139	Submit CESA 2081 application to DFG	1 day	Thu 5/29/08	Thu 5/29/08	138	SAFCA
140	CDFG Consultation Process	277 edays	Thu 5/29/08	Mon 3/2/09	139	SAFCA
141	2081 CESA Compliance Permit	0 days	Fri 3/13/09	Fri 3/13/09	140,34	SAFCA
142	1602 Streambed Alteration Agreement	305 days	Mon 9/17/07	Fri 11/14/08		
143	Prepare Application	241 days	Mon 9/17/07	Mon 8/18/08	10	EDAW
144	SAFCA Reviews Application	14 days	Tue 8/19/08	Fri 9/5/08	143	SAFCA
145	Incorporate SAFCA Comments	5 days	Mon 9/8/08	Fri 9/12/08	144	EDAW
146	Submit 1602 application to DFG	1 day	Mon 9/15/08	Mon 9/15/08	145	EDAW
147	CDFG Consultation Process	60 edays	Mon 9/15/08	Fri 11/14/08	146	SAFCA
148	1602 Streambed Alteration Agreement	1 day	Fri 11/14/08	Fri 11/14/08	147	SAFCA
149	Encroachment Permit, Central Valley Flood Protection Board Approvals	33 days	Wed 2/6/08	Fri 3/21/08		
150	SAFCA Submits Encroachment Permit Application	7 days	Wed 2/6/08	Thu 2/14/08	39,1168	MBK
151	CVFPB Reviews Encroachment Permit Application	25 days	Fri 2/15/08	Thu 3/20/08	150	SAFCA
152	CVFPB Approves Encroachment	0 days	Fri 3/21/08	Fri 3/21/08	151	SAFCA
153	Section 408	194 days	Fri 3/21/08	Wed 12/17/08		
154	CVFPB Issues request to SPK (Must be Board Meeting)	1 day	Fri 3/21/08	Fri 3/21/08	151	SAFCA
155	Project Summary Report	73 days	Thu 7/31/08	Mon 11/10/08		
156	SAFCA Prepares package	1 day	Thu 7/31/08	Thu 7/31/08	51	SAFCA
157	Corps Review of Project Summary Report	11 days	Mon 9/8/08	Mon 9/22/08	156,56	CORPS
158	Revise Project Summary Report	25 days	Tue 9/23/08	Mon 10/27/08	157	SAFCA
159	Corps Back check of Final Project Summary Report	10 days	Tue 10/28/08	Mon 11/10/08	158	CORPS
160	Approval Process	27 days	Tue 11/11/08	Wed 12/17/08		
161	SPK releases 408 package to SPD/HQ for review/approval	5 days	Tue 11/11/08	Mon 11/17/08	159	CORPS
162	HQ/SPK issues 408 approval	30 edays	Mon 11/17/08	Wed 12/17/08	161,59FF	CORPS
163	Section 404	362 days	Wed 8/1/07	Thu 12/18/08		
164	Wetland Delineation	285 days	Wed 8/1/07	Tue 9/2/08		
165	Preparation of Wetland Delineation	11.8 wks	Wed 8/1/07	Mon 10/22/07	1211	SAFCA
166	Wetland Delineation Submitted to Corps	167 days	Tue 10/23/07	Wed 6/11/08	165	SAFCA
167	Corps Verifies Wetland Delineation	60 days	Wed 6/11/08	Tue 9/2/08		CORPS
168	Application	331 days	Thu 9/13/07	Thu 12/18/08		
169	Preparation of Package	1 day	Thu 9/13/07	Thu 9/13/07	167	SAFCA
170	Submit application to SAFCA for review	1 day	Fri 9/14/07	Fri 9/14/07	169	SAFCA
171	Submit Draft Application to Corps	165 days	Wed 10/31/07	Tue 6/17/08	170	SAFCA
172	Corps Responds with notice of Complete application or add info. Request	15 days	Wed 6/18/08	Tue 7/8/08	171	CORPS
173	SAFCA submits completed application based on Corps comments	10 days	Wed 7/9/08	Tue 7/22/08	172	EDAW
174	SAFCA Submits 404(b)(1) Analysis to Corps	37 days	Fri 9/12/08	Mon 11/3/08		CORPS
175	Corps issues public notice	17.38 edays	Tue 7/29/08	Fri 8/15/08	172FS+15 days	CORPS
176	Corps Provides Public Comments to SAFCA	6 days	Mon 8/18/08	Mon 8/25/08	175	SAFCA
177	SAFCA Submits Response to Public Comments on PN to Corps	37 days	Fri 9/12/08	Mon 11/3/08	174SS	EDAW
178	Corps issues permit & Signs ROD	1 day	Thu 12/18/08	Thu 12/18/08	63,195,221,189,162,177	CORPS
179	Section 7 Consultation	257 days	Tue 10/2/07	Wed 9/24/08		
180	Prepare BA	15 days	Tue 10/2/07	Mon 10/22/07	39	SAFCA
181	SAFCA review of BA	5 days	Tue 10/23/07	Mon 10/29/07	180	SAFCA
182	Incorporate Comments from SAFCA	1 day	Tue 10/30/07	Tue 10/30/07	181	SAFCA
183	Submit admin draft BA to USFWS and Corps	1 day	Wed 10/31/07	Wed 10/31/07	182	SAFCA
184	Corps & USFWS review admin draft BA and provides comments to SAFCA	27 days	Thu 11/1/07	Fri 12/7/07	183	SAFCA
185	Prepare draft BA	75 days	Sat 12/8/07	Fri 3/21/08	184	SAFCA
186	Corps & USFWS review draft BA	22 days	Mon 3/24/08	Tue 4/22/08	185	SAFCA
187	Prepare final BA	27 days	Wed 4/23/08	Thu 5/29/08	186	SAFCA
188	Section 7 Consultation with USFWS	107.38 edays	Mon 6/9/08	Wed 9/24/08	187	USFWS
189	USFWS Issue BO	0 days	Wed 9/24/08	Wed 9/24/08	188	USFWS
190	Section 401	426 days	Fri 9/14/07	Fri 5/1/09		
191	Prepare Application	242 days	Fri 9/14/07	Mon 8/18/08	169	EDAW
192	SAFCA Reviews Application	14 days	Tue 8/19/08	Fri 9/5/08	191	SAFCA
193	Submit Water Quality Certification Request	5 days	Mon 9/8/08	Fri 9/12/08	192	EDAW
194	Agency Review	60 edays	Fri 9/12/08	Tue 11/11/08	193	SWRCB
195	Issue Water Quality Certification	1 day	Tue 11/11/08	Tue 11/11/08	194	CORPS
196	Conceptual Mitigation and Monitoring Plan (CMMP)	1 day	Mon 6/9/08	Mon 6/9/08		
197	Draft CMMP	1 day	Mon 6/9/08	Mon 6/9/08		EDAW
198	Phase 2 Mitigation, Monitoring Plan (DFG, USFWS, USACE, CV RWQCB)	56 days	Fri 9/19/08	Fri 12/5/08		
199	Delivery of Description of Funding Mechanisms (long-term and performance guar.) , Long-term protection mecha	1 day	Fri 9/19/08	Fri 9/19/08	197	Downey Brand
200	Preparation of admin draft MMP	22 days	Mon 9/22/08	Tue 10/21/08	199	EDAW
201	SAFCA Review	4 days	Wed 10/22/08	Mon 10/27/08	200	SAFCA
202	Incorporate of SAFCA Comments	10 days	Tue 10/28/08	Mon 11/10/08	201	EDAW
203	Draft MMP to USACE for review	2 days	Tue 11/11/08	Wed 11/12/08	202	EDAW
204	USACE review	5 days	Thu 11/13/08	Wed 11/19/08	203	EDAW
205	Incorporate of USACE comments (assumes no major revisions)	5 days	Thu 11/20/08	Wed 11/26/08	204	EDAW
206	FINAL MMP to SAFCA for review	0 days	Wed 11/26/08	Wed 11/26/08	205	SAFCA,SMW
207	SAFCA's final comments to EDAW incorporated (assumes no major revisions)	5 days	Thu 11/27/08	Wed 12/3/08	206	EDAW
208	Final MMP to SAFCA and agencies for review (assumes no revisions)	1 day	Thu 12/4/08	Thu 12/4/08	207	EDAW
209	USACE approve MMP	1 day	Fri 12/5/08	Fri 12/5/08	208	EDAW
210	Phase 2 Long-term management Plan [LTMP] (DFG, USFWS, USACE, CV RWQCB)	161 days	Fri 9/19/08	Fri 5/1/09		
211	Delivery of Description of Funding Mechanisms (long-term and performance guar.) , Long-term protection mecha	29 days	Fri 9/19/08	Wed 10/29/08		Downey Brand/SAFCA
212	Preparation of admin draft LTMP	62 days	Thu 10/30/08	Fri 1/23/09	211	EDAW



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ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names
213	SAFCA and other signatories/beneficiaries review	15 days	Mon 1/26/09	Fri 2/13/09	212	SAFCA
214	SAFCA Comments received and revisions made	15 days	Mon 2/16/09	Fri 3/6/09	213	EDAW
215	Draft LTMP to USACE/DFG/ USFWS/CV RWQCB for review	15 days	Mon 3/9/09	Fri 3/27/09	214	EDAW
216	SAFCA review resource agencies' comments	10 days	Mon 3/30/09	Fri 4/10/09	215	SAFCA/Downey Brand
217	SAFCA's final comments received and MMP finalized	5 days	Mon 4/13/09	Fri 4/17/09	216	EDAW
218	Final LTMP to USACE/DFG/ USFWS/CV RWQCB (subject to negotiation with resource agencies)	9 days	Mon 4/20/09	Thu 4/30/09	217	EDAW
219	LTMP Approval by resource agencies	1 day	Fri 5/1/09	Fri 5/1/09	218	
220	NHPA Section 106 Compliance	306 days	Wed 4/30/08	Thu 7/2/09		
221	Programmatic Agreement Signed	0 days	Wed 4/30/08	Wed 4/30/08	169SS	
222	Research Design	101 days	Mon 6/30/08	Mon 11/17/08		
223	Preparation of Draft Research Design	19 days	Mon 6/30/08	Thu 7/24/08		EDAW
224	SAFCA Review	1 day	Fri 7/25/08	Sat 7/26/08	223	SAFCA
225	Comments received and revisions made	1 day	Sun 7/27/08	Mon 7/28/08	224	EDAW
226	Research Design for Peer Review to USACE, Far Western, and Tribes (as described in PA)	30 days	Mon 7/28/08	Fri 9/5/08	225	EDAW
227	Comments received and revisions made	50 days	Mon 9/8/08	Fri 11/14/08	226	EDAW
228	Final to SAFCA, USACE/SHPO	1 day	Mon 11/17/08	Mon 11/17/08	227	EDAW
229	Historic Era Properties Assessment	92 days	Fri 6/27/08	Mon 11/3/08		
230	Preparation of Draft Historic Era Properties Assessment	60 days	Fri 6/27/08	Thu 9/18/08		EDAW
231	SAFCA, USACE, and SHPO Review	31 edays	Fri 9/19/08	Mon 10/20/08	230	SAFCA
232	Comments Received, revisions made	10 days	Mon 10/20/08	Fri 10/31/08	231	EDAW
233	Final Draft to SAFCA, USACE/SHPO	1 day	Mon 11/3/08	Mon 11/3/08	232	EDAW
234	Inventory Report	128 days	Fri 7/11/08	Tue 1/6/09		
235	Preparation of Draft Inventory Report	12 days	Fri 7/11/08	Mon 7/28/08		EDAW
236	SAFCA, USACE, SHPO Review	101 days	Tue 7/29/08	Tue 12/16/08	235	SAFCA
237	Comments received and revisions made	10 days	Wed 12/17/08	Tue 12/30/08	236	EDAW
238	Final to SAFCA, USACE/SHPO	5 days	Wed 12/31/08	Tue 1/6/09	237	EDAW
239	2008 Historic Property Treatment Plan	163 days	Tue 11/18/08	Thu 7/2/09		
240	Prepare Draft Historic Property Treatment Plan	97 days	Tue 11/18/08	Wed 4/1/09	228	EDAW
241	SAFCA, USACE/SHPO, Far Western, and Tribe Rep. Review Draft Historic Property Treatment Plan	20 days	Thu 4/2/09	Wed 4/29/09	240	EDAW
242	Comments received, revisions made, Finalize Draft Historic Property Treatment Plan	15 days	Thu 4/30/09	Wed 5/20/09	241	EDAW
243	SAFCA Review of Final Draft Historic Property Treatment Plan	5 days	Thu 5/21/09	Wed 5/27/09	242	SAFCA
244	SAFCA submits Final HPTP to USACE	1 day	Thu 5/28/09	Thu 5/28/09	243	SAFCA,EDAW
245	USACE submits Historic Property Treatment Plan to SHPO	5 days	Fri 5/29/09	Thu 6/4/09	244	SAFCA
246	SHPO reviews and approves Draft Historic Property Treatment Plan (Estimated Approx. 30 day review)	20 days	Fri 6/5/09	Thu 7/2/09	245	SHPO
247	Sacramento County SMARA Permit for Airport Properties	119 days	Fri 3/14/08	Wed 8/27/08		
248	Prepare Draft Application	41 days	Fri 3/14/08	Fri 5/9/08		EDAW
249	SAFCA Reviews Application	24 days	Mon 5/12/08	Thu 6/12/08	248	SAFCA
250	Waiver received exempting borrow sites from SMARA permitting	1 day	Wed 8/27/08	Wed 8/27/08		
251	Sutter County SMARA Permit for Sutter Pointe Property	128 days	Fri 9/19/08	Tue 3/17/09		EDAW
252	Decision made to prepare applications	1 day	Fri 9/19/08	Fri 9/19/08		SAFCA
253	Prepare Draft Application (requires 50% Borrow Design)	30 days	Mon 9/22/08	Fri 10/31/08	252	EDAW
254	SAFCA Reviews Application	20 days	Mon 11/3/08	Fri 11/28/08	253	SAFCA
255	Incorporate SAFCA Comments	10 days	Mon 12/1/08	Fri 12/12/08	254	EDAW
256	Submit Application	1 day	Mon 12/15/08	Mon 12/15/08	255	EDAW
257	Agencies Review Application	90 edays	Mon 12/15/08	Sun 3/15/09	256	Sutter County
258	SMARA Permit Approved by County (Supplemental CEQA must be certified)	1 day	Mon 3/16/09	Mon 3/16/09	257	Sutter County
259	County Board of Supervisors Approves at board Meeting	1 day	Tue 3/17/09	Tue 3/17/09	258	Sutter County
260	Sutter County SMARA Permit for Dunmore Property	128 days	Fri 9/19/08	Tue 3/17/09		EDAW
261	Decision made to prepare applications	1 day	Fri 9/19/08	Fri 9/19/08		SAFCA
262	Prepare Draft Application (requires 50% Borrow Design)	30 days	Mon 9/22/08	Fri 10/31/08	261	EDAW
263	SAFCA Reviews Application	20 days	Mon 11/3/08	Fri 11/28/08	262	SAFCA
264	Incorporate SAFCA Comments	10 days	Mon 12/1/08	Fri 12/12/08	263	EDAW
265	Submit Application	1 day	Mon 12/15/08	Mon 12/15/08	264	EDAW
266	Agencies Review Application	90 edays	Mon 12/15/08	Sun 3/15/09	265	Sutter County
267	SMARA Permit Approved by County (Supplemental CEQA must be certified)	1 day	Mon 3/16/09	Mon 3/16/09	266	Sutter County
268	County Board of Supervisors Approves at board Meeting	1 day	Tue 3/17/09	Tue 3/17/09	267	Sutter County
269	Permitting for Phase III - Construction	472 days	Wed 4/30/08	Fri 2/19/10		EDAW
270	CESA Compliance	125 days	Mon 12/1/08	Fri 5/22/09		EDAW
271	Prepare Application	30 days	Mon 12/1/08	Fri 1/9/09	72,325	EDAW
272	CDFG-SAFCA Staffing Agreement	5 days	Mon 12/1/08	Fri 12/5/08	271SS	SAFCA
273	SAFCA Reviews Application	10 days	Mon 1/12/09	Fri 1/23/09	271	SAFCA
274	Incorporate SAFCA Comments	5 days	Mon 1/26/09	Fri 1/30/09	273	EDAW
275	Submit CESA 2081 application to DFG	1 day	Mon 2/2/09	Mon 2/2/09	274	EDAW
276	CDFG Consultation Process	90 edays	Mon 2/2/09	Sun 5/3/09	275	CDFG
277	2081 CESA Compliance Permit	1 day	Fri 5/22/09	Fri 5/22/09	276,93	CDFG
278	1602 Streambed Alteration Agreement	129 days	Tue 11/25/08	Fri 5/22/09		EDAW
279	Prepare Application	40 days	Tue 11/25/08	Mon 1/19/09	309	EDAW
280	SAFCA Reviews Application	10 days	Tue 1/20/09	Mon 2/2/09	279	SAFCA
281	Incorporate SAFCA Comments	5 days	Tue 2/3/09	Mon 2/9/09	280	EDAW
282	Submit 1602 application to DFG	1 day	Tue 2/10/09	Tue 2/10/09	281	EDAW
283	CDFG Consultation Process	90 edays	Tue 2/10/09	Mon 5/11/09	282	CDFG
284	1602 Streambed Alteration Agreement	1 day	Fri 5/22/09	Fri 5/22/09	283,93	CDFG
285	Encroachment Permit, Central Valley Flood Protection Board Approvals	100 days	Mon 11/3/08	Fri 3/20/09		MBK
286	SAFCA Submits Encroachment Permit Application	5 days	Mon 11/3/08	Fri 11/7/08		MBK
287	CVFPB Reviews Encroachment Permit Application	1 emon	Fri 2/6/09	Sun 3/8/09	1226,1300,1465	CVFPB
288	CVFPB Approves Encroachment	1 day	Fri 3/20/09	Fri 3/20/09	287	CVFPB
289	Section 408	141 days	Fri 11/21/08	Sun 6/7/09		SAFCA
290	CVFPB Issues request to SPK (Must be Board Meeting)	1 day	Fri 11/21/08	Fri 11/21/08	287	CVFPB
291	Project Summary Report	35 days	Tue 2/17/09	Mon 4/6/09		
292	SAFCA Prepares package	10 days	Tue 2/17/09	Mon 3/2/09	81	SAFCA
293	Corps Review of Project Summary Report	10 days	Tue 3/3/09	Mon 3/16/09	292	CORPS
294	Revise Project Summary Report	10 days	Tue 3/17/09	Mon 3/30/09	293	SAFCA
295	Corps Back check of Final Project Summary Report	5 days	Tue 3/31/09	Mon 4/6/09	294	CORPS
296	Approval Process	44 days	Tue 4/7/09	Sun 6/7/09		CORPS
297	SPK releases 408 package to SPD/HQ for review/approval	5 days	Tue 4/7/09	Mon 4/13/09	295,328,337,287	CORPS
298	HQ/SPK issues 408 approval (30 days from final EIS)	30 edays	Fri 5/8/09	Sun 6/7/09	297,96FF	CORPS
299	Section 404	271 days	Tue 5/27/08	Tue 6/9/09		
300	Wetland Delineation	149 days	Tue 5/27/08	Sun 12/21/08		EDAW
301	Preparation of Wetland Delineation	79 days	Tue 5/27/08	Fri 9/12/08	72SS	EDAW
302	SAFCA Reviews Wetland Delineation	5 days	Mon 9/15/08	Fri 9/19/08	301	SAFCA
303	Wetland Delineation Submitted to Corps	1 day	Mon 9/22/08	Mon 9/22/08	302	EDAW
304	Corps Verifies Wetland Delineation	90 edays	Mon 9/22/08	Sun 12/21/08	303	CORPS
305	Application	192 days	Mon 9/15/08	Tue 6/9/09		EDAW
306	Preparation of Draft Package	40 days	Mon 9/15/08	Fri 11/7/08	301	EDAW
307	SAFCA reviews application	5 days	Mon 11/10/08	Fri 11/14/08	306	SAFCA
308	Incorporate SAFCA Comments	5 days	Mon 11/17/08	Fri 11/21/08	307	
309	Submit Draft Application to Corps	1 day	Mon 11/24/08	Mon 11/24/08	308	EDAW
310	Corps Responds with notice of Complete application or add info. Request	15 days	Tue 11/25/08	Mon 12/15/08	309	CORPS
311	SAFCA submits completed application based on Corps comments	37 days	Tue 12/16/08	Wed 2/4/09	310	EDAW
312	Corps issues public notice	30 edays	Wed 2/25/09	Fri 3/27/09	311FS+15 days	CORPS
313	Corps Provides Public Comments to SAFCA	6 days	Mon 3/30/09	Mon 4/6/09	312	CORPS
314	SAFCA Submits Response to Public Comments on PN to Corps	10 days	Tue 4/7/09	Mon 4/20/09	313	EDAW
315	Preparation of draft 404(b) 1 and submittal to SAFCA for Review	23 days	Thu 2/5/09	Mon 3/9/09	311	
316	SAFCA review and incorporation of 404(b)(1) comments	15 days	Tue 3/10/09	Mon 3/30/09	315	
317	SAFCA Submits 404(b)(1) Analysis to Corps	10 days	Tue 4/7/09	Mon 4/20/09	316,313	EDAW
318	Corps issues permit & Signs ROD	1 day	Tue 6/9/09	Tue 6/9/09	97,335,337,329,298,317	CORPS



**SACRAMENTO AREA FLOOD CONTROL AGENCY
NATOMAS LEVEE IMPROVEMENT PROJECT**

MASTER SCHEDULE

Updated 10-23-08

ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names
319	Section 7 Consultation	181 days	Thu 7/17/08	Thu 3/26/09		EDAW
320	Prepare BA	45 days	Thu 7/17/08	Wed 9/17/08	71	EDAW
321	SAFCA review of BA	8 days	Thu 9/18/08	Mon 9/29/08	320	SAFCA
322	Incorporate Comments from SAFCA	10 days	Tue 9/30/08	Mon 10/13/08	321	EDAW
323	Submit admin draft BA to USFWS and Corps	1 day	Tue 10/14/08	Tue 10/14/08	322	EDAW
324	Corps & USFWS review admin draft BA and provides comments to SAFCA	13 days	Wed 10/15/08	Fri 10/31/08	323	CORPS,USFWS
325	Prepare draft BA	20 days	Mon 11/3/08	Fri 11/28/08	324	EDAW
326	Corps & USFWS review draft BA	10 days	Mon 12/1/08	Fri 12/12/08	325	CORPS,USFWS
327	Prepare final BA	1 day	Mon 12/15/08	Mon 12/15/08	326	EDAW
328	Section 7 Consultation with USFWS	100 edays	Mon 12/15/08	Wed 3/25/09	327	USFWS
329	USFWS Issue BO	1 day	Thu 3/26/09	Thu 3/26/09	328	USFWS
330	Section 401	129 days	Tue 11/25/08	Fri 5/22/09		EDAW
331	Prepare Application	35 days	Tue 11/25/08	Mon 1/12/09	309	EDAW
332	SAFCA Reviews Application	10 days	Tue 1/13/09	Mon 1/26/09	331	SAFCA
333	Submit Water Quality Certification Request	1 day	Tue 1/27/09	Tue 1/27/09	332	EDAW
334	Agency Review	60 edays	Tue 1/27/09	Sat 3/28/09	333	SWRCB
335	Issue Water Quality Certification	1 day	Fri 5/22/09	Fri 5/22/09	334,93	CORPS
336	NHPA Section 106 Compliance	239 days	Wed 4/30/08	Tue 3/31/09		EDAW
337	Programmatic Agreement Signed	0 days	Wed 4/30/08	Wed 4/30/08	306SS	EDAW
338	Prepare Draft Historic Property Treatment Plan	10 days	Tue 1/20/09	Mon 2/2/09	83	EDAW
339	Review Draft Historic Property Treatment Plan	10 days	Tue 2/3/09	Mon 2/16/09	338	EDAW
340	Finalize Draft Historic Property Treatment Plan	5 days	Tue 2/17/09	Mon 2/23/09	339	EDAW
341	SPK submits Draft Historic Property Treatment Plan to SHPO	5 days	Tue 2/24/09	Mon 3/2/09	340	CORPS
342	SHPO reviews and approves Draft Historic Property Treatment Plan	11 days	Tue 3/3/09	Tue 3/17/09	341	CORPS
343	Finalize Historic Property Treatment Plan	10 days	Wed 3/18/09	Tue 3/31/09	342	EDAW
344	Sutter County SMARA Permit for Brookfield Property	191 days	Tue 9/2/08	Tue 5/26/09		EDAW
345	Prepare Draft Application	50 days	Tue 9/2/08	Mon 11/10/08	72	EDAW
346	SAFCA Reviews Application	20 days	Tue 11/11/08	Mon 12/8/08	345	SAFCA
347	Incorporate SAFCA Comments	10 days	Tue 12/9/08	Mon 12/22/08	346	EDAW
348	Submit Application	1 day	Tue 12/23/08	Tue 12/23/08	347	EDAW
349	Agencies Review Application	90 edays	Tue 12/23/08	Mon 3/23/09	348	Sutter County
350	SMARA Permit Approved by County	1 day	Fri 5/22/09	Fri 5/22/09	349,93	Sutter County
351	County Board of Supervisors Approves at board Meeting	2 days	Mon 5/25/09	Tue 5/26/09	350	Sutter County
352	Sacramento County SMARA Permit for Fisherman's Lake	102 days	Thu 10/1/09	Fri 2/19/10		EDAW
353	Prepare Draft Application	20 days	Thu 10/1/09	Wed 10/28/09		EDAW
354	SAFCA Reviews Application	10 days	Thu 10/29/09	Wed 11/11/09	353	SAFCA
355	Incorporate SAFCA Comments	5 days	Thu 11/12/09	Wed 11/18/09	354	EDAW
356	Submit Application	1 day	Thu 11/19/09	Thu 11/19/09	355	EDAW
357	Agencies Review Application	90 edays	Thu 11/19/09	Wed 2/17/10	356	Sacramento County
358	SMARA Permit Approved by County	1 day	Thu 2/18/10	Thu 2/18/10	357,93	Sacramento County
359	County Board of Supervisors Approves at board Meeting	1 day	Fri 2/19/10	Fri 2/19/10	358	Sacramento County
360	Permitting for Phase IV - Construction	430 days	Wed 4/30/08	Tue 12/22/09		EDAW
361	CESA Compliance	175 days	Mon 3/23/09	Fri 11/20/09		EDAW
362	Prepare Application	30 days	Mon 3/23/09	Fri 5/1/09	105	EDAW
363	CDFG-SAFCA Staffing Agreement	5 days	Mon 3/23/09	Fri 3/27/09	362SS	SAFCA
364	SAFCA Reviews Application	10 days	Mon 5/4/09	Fri 5/15/09	362	SAFCA
365	Incorporate SAFCA Comments	5 days	Mon 5/18/09	Fri 5/22/09	364	EDAW
366	Submit CESA 2081 application to DFG	1 day	Mon 5/25/09	Mon 5/25/09	365	EDAW
367	CDFG Consultation Process	60 edays	Mon 5/25/09	Fri 7/24/09	366	CDFG
368	2081 CESA Compliance Permit	1 day	Fri 11/20/09	Fri 11/20/09	367,127	CDFG
369	1602 Streambed Alteration Agreement	101 days	Mon 7/13/09	Mon 11/30/09		EDAW
370	Prepare Application	40 days	Mon 7/13/09	Fri 9/4/09	115SS	EDAW
371	SAFCA Reviews Application	10 days	Mon 9/7/09	Fri 9/18/09	370	SAFCA
372	Incorporate SAFCA Comments	5 days	Mon 9/21/09	Fri 9/25/09	371	EDAW
373	Submit 1602 application to DFG	1 day	Mon 9/28/09	Mon 9/28/09	372	EDAW
374	CDFG Consultation Process	60 edays	Mon 9/28/09	Fri 11/27/09	373	CDFG
375	1602 Streambed Alteration Agreement	1 day	Mon 11/30/09	Mon 11/30/09	374,127	CDFG
376	Encroachment Permit, Central Valley Flood Protection Board Approvals	83 days	Wed 7/22/09	Mon 11/16/09		MBK
377	SAFCA Submits Encroachment Permit Application	1 day	Mon 11/16/09	Mon 11/16/09		MBK
378	CVFPB Reviews Encroachment Permit Application	1 emon	Wed 7/22/09	Fri 8/21/09	2062	CVFPB
379	CVFPB Approves Encroachment	1 day	Mon 8/24/09	Mon 8/24/09	378	CVFPB
380	Section 408	85 days	Mon 8/24/09	Sun 12/20/09		SAFCA
381	CVFPB Issues request to SPK	1 day	Mon 8/24/09	Mon 8/24/09	378	CVFPB
382	Project Summary Report	35 days	Tue 8/25/09	Mon 10/12/09		EDAW
383	SAFCA Prepares package	10 days	Tue 8/25/09	Mon 9/7/09	115	SAFCA
384	Corps Review of Project Summary Report	10 days	Tue 9/8/09	Mon 9/21/09	383	CORPS
385	Revise Project Summary Report	10 days	Tue 9/22/09	Mon 10/5/09	384	SAFCA
386	Corps Back check of Final Project Summary Report	5 days	Tue 10/6/09	Mon 10/12/09	385	CORPS
387	Approval Process	42.5 days	Wed 10/21/09	Sun 12/20/09		CORPS
388	SPK releases 408 package to SPD/HQ for review/approval	5 days	Wed 10/21/09	Wed 10/28/09	386,416,425,381	CORPS
389	HQ/SPK issues 408 approval	30 edays	Fri 11/20/09	Sun 12/20/09	388,130FF	CORPS
390	Section 404	222 days	Mon 2/16/09	Tue 12/22/09		EDAW
391	Wetland Delineation	106 days	Mon 2/16/09	Mon 7/13/09		EDAW
392	Preparation of Wetland Delineation	40 days	Mon 2/16/09	Fri 4/10/09	106FF	EDAW
393	SAFCA Reviews Wetland Delineation	5 days	Mon 4/13/09	Fri 4/17/09	392	SAFCA
394	Wetland Delineation Submitted to Corps	1 day	Mon 4/20/09	Mon 4/20/09	393	EDAW
395	Corps Verifies Wetland Delineation	60 days	Tue 4/21/09	Mon 7/13/09	394	CORPS
396	Application	197 days	Mon 3/23/09	Tue 12/22/09		EDAW
397	Preparation of Package	28 days	Mon 3/23/09	Wed 4/29/09	105	EDAW
398	SAFCA reviews application	10 days	Thu 4/30/09	Wed 5/13/09	397	SAFCA
399	Submit Draft Application to Corps	1 day	Thu 5/14/09	Thu 5/14/09	398	EDAW
400	Corps Responds with notice of Complete application or add info. Request	15 days	Fri 5/15/09	Thu 6/4/09	399	CORPS
401	SAFCA submits completed application based on Corps comments	10 days	Fri 6/5/09	Thu 6/18/09	400	CORPS
402	SAFCA Submits 404(b)(1) Analysis to Corps	9 days	Fri 6/19/09	Wed 7/1/09	401	
403	Corps issues public notice	30 edays	Wed 7/1/09	Fri 7/31/09	402	CORPS
404	Corps Provides Public Comments to SAFCA	6 days	Mon 8/3/09	Mon 8/10/09	403	CORPS
405	SAFCA Submits Response to Public Comments on PN to Corps	4 days	Tue 8/11/09	Fri 8/14/09	404	SAFCA
406	Corps issues permit & Signs ROD	1 day	Tue 12/22/09	Tue 12/22/09	131,423,425,417,389,405	CORPS
407	Section 7 Consultation	153.5 days	Mon 3/23/09	Thu 10/22/09		EDAW
408	Prepare BA	30 days	Mon 3/23/09	Fri 5/1/09	105	EDAW
409	SAFCA review of BA	5 days	Mon 5/4/09	Fri 5/8/09	408	SAFCA
410	Incorporate Comments from SAFCA	1 day	Mon 5/11/09	Mon 5/11/09	409	EDAW
411	Submit admin draft BA to USFWS and Corps	1 day	Tue 5/12/09	Tue 5/12/09	410	EDAW
412	Corps & USFWS review admin draft BA and provides comments to SAFCA	12.5 days	Wed 5/13/09	Fri 5/29/09	411	CORPS,USFWS
413	Prepare draft BA	20 days	Fri 5/29/09	Fri 6/26/09	412	EDAW
414	Corps & USFWS review draft BA	10 days	Fri 6/26/09	Fri 7/10/09	413	CORPS,USFWS
415	Prepare final BA	1 day	Fri 7/10/09	Mon 7/13/09	414	EDAW
416	Section 7 Consultation with USFWS	100 edays	Mon 7/13/09	Wed 10/21/09	415	USFWS
417	USFWS & NMFS Issue BO	1 day	Wed 10/21/09	Thu 10/22/09	416	USFWS
418	Section 401	96 days	Mon 3/23/09	Mon 8/3/09		EDAW
419	Prepare Application	40 days	Mon 3/23/09	Fri 5/15/09	397SS	EDAW
420	SAFCA Reviews Application	10 days	Mon 5/18/09	Fri 5/29/09	419	SAFCA
421	Submit Water Quality Certification Request	1 day	Mon 6/1/09	Mon 6/1/09	420	EDAW
422	Agency Review	60 edays	Mon 6/1/09	Fri 7/31/09	421	SWRCB
423	Issue Water Quality Certification	1 day	Mon 8/3/09	Mon 8/3/09	422	SWRCB
424	NHPA Section 106 Compliance	300 days	Wed 4/30/08	Tue 6/23/09		EDAW



**SACRAMENTO AREA FLOOD CONTROL AGENCY
NATOMAS LEVEE IMPROVEMENT PROJECT**

MASTER SCHEDULE
Updated 10-23-08

ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names
425	Programmatic Agreement Signed	1 day	Wed 4/30/08	Wed 4/30/08	397SS	EDAW
426	Prepare Draft Historic Property Treatment Plan	21 days	Mon 3/23/09	Mon 4/20/09	105	EDAW
427	Review Draft Historic Property Treatment Plan	10 days	Tue 4/21/09	Mon 5/4/09	426	EDAW
428	Finalize Draft Historic Property Treatment Plan	10 days	Tue 5/5/09	Mon 5/18/09	427	EDAW
429	SPK submits Draft Historic Property Treatment Plan to SHPO	5 days	Tue 5/19/09	Mon 5/25/09	428	CORPS
430	SHPO reviews and s Draft Historic Property Treatment Plan	11 days	Tue 5/26/09	Tue 6/9/09	429	SHPO
431	Finalize Historic Property Treatment Plan	10 days	Wed 6/10/09	Tue 6/23/09	430	EDAW
432	Real Estate Acquisition and Management Agreements	1414 days	Mon 5/1/06	Thu 9/29/11		BRI
433	Right of Entry	515 days	Fri 2/15/08	Thu 2/4/10		BRI
434	Sac River	217 days	Fri 2/15/08	Mon 12/15/08		BRI
435	ID properties with associated actions	1 day	Fri 2/15/08	Fri 2/15/08		
436	Draw up contracts	1 day	Mon 2/18/08	Mon 2/18/08	435	
437	SAFCA Approval	1 day	Tue 2/19/08	Tue 2/19/08	436	
438	Send ROE to Property Owners	1 day	Wed 2/20/08	Wed 2/20/08	437	
439	Contact Property Owners	1 day	Thu 2/21/08	Thu 2/21/08	438	
440	Negotiate	10 days	Fri 2/22/08	Thu 3/6/08	439	
441	Close Deal / Impass	28 days	Fri 3/7/08	Tue 4/15/08	440	
442	Impass (~6 weeks)	174 days	Wed 4/16/08	Mon 12/15/08		
443	Sign Declarations	130 days	Wed 4/16/08	Fri 10/31/08	441	SMW LLP
444	File Court Action	10 days	Mon 11/3/08	Fri 11/14/08	443	SMW LLP
445	Court hearing	20 days	Mon 11/17/08	Fri 12/12/08	444	SMW LLP
446	Court Ordered Access	1 day	Mon 12/15/08	Mon 12/15/08	445	SMW LLP
447	PGCC	208 days	Mon 3/17/08	Wed 12/31/08		BRI
448	ID properties with associated actions	1 day	Mon 3/17/08	Mon 3/17/08		
449	Draw up contracts	1 day	Tue 3/18/08	Tue 3/18/08	448	
450	SAFCA Approval	1 day	Wed 3/19/08	Wed 3/19/08	449	
451	Send ROE to Property Owners	5 days	Thu 3/20/08	Wed 3/26/08	450	
452	Addendum to ROE	1 day	Thu 3/27/08	Thu 3/27/08	451	
453	Contact Property Owners	1 day	Fri 3/28/08	Fri 3/28/08	452	
454	Negotiate	20 days	Mon 3/31/08	Fri 4/25/08	453	
455	Close Deal / Impass	1 day	Mon 4/28/08	Mon 4/28/08	454	
456	Impass (~6 weeks)	177 days	Tue 4/29/08	Wed 12/31/08		
457	Sign Declarations	154 days	Tue 4/29/08	Mon 12/1/08	455	SMW LLP
458	File Court Action	10 days	Tue 12/2/08	Mon 12/15/08	457	SMW LLP
459	Court hearing	11 days	Tue 12/16/08	Tue 12/30/08	458	SMW LLP
460	Court Ordered Access	1 day	Wed 12/31/08	Wed 12/31/08	459	SMW LLP
461	Elkhorn Irrigation Canal (Sac R East Reach 6 to 8) and GGS/Drainage Canal (Sac R East Reach 6 to 11)	164 days	Mon 3/17/08	Fri 10/31/08		BRI
462	ID properties with associated actions	1 day	Mon 3/17/08	Tue 3/18/08		
463	Draw up contracts	1 day	Tue 3/18/08	Tue 3/18/08	462	
464	SAFCA Approval	1 day	Wed 3/19/08	Wed 3/19/08	463	
465	Send ROE to Property Owners	5 days	Thu 3/20/08	Wed 3/26/08	464	
466	Contact Property Owners	1 day	Thu 3/27/08	Thu 3/27/08	465	
467	Negotiate	15 days	Fri 3/28/08	Thu 4/17/08	466	
468	Close Deal / Impass	10 days	Fri 4/18/08	Thu 5/1/08	467	
469	Impass (~6 weeks)	131 days	Fri 5/2/08	Fri 10/31/08		
470	Sign Declarations	109 days	Fri 5/2/08	Wed 10/1/08	468	
471	File Court Action	2 days	Thu 10/2/08	Fri 10/3/08	470	SMW LLP
472	Court hearing	19 days	Mon 10/6/08	Thu 10/30/08	471	SMW LLP
473	Court Ordered Access	1 day	Fri 10/31/08	Fri 10/31/08	472	SMW LLP
474	Riverside Irrigation Canal	202 days	Tue 3/25/08	Wed 12/31/08		BRI
475	ID properties with associated actions	1 day	Tue 3/25/08	Tue 3/25/08		
476	Draw up contracts	1 day	Wed 3/26/08	Wed 3/26/08	475	
477	SAFCA Approval	1 day	Thu 3/27/08	Thu 3/27/08	476	
478	Send ROE to Property Owners	1 day	Fri 3/28/08	Fri 3/28/08	477	
479	Contact Property Owners	1 day	Mon 3/31/08	Mon 3/31/08	478	
480	Negotiate	10 days	Tue 4/1/08	Mon 4/14/08	479	
481	Close Deal / Impass	165 days	Tue 4/15/08	Mon 12/1/08	480	OPC
482	Impass (~6 weeks)	184 days	Fri 4/18/08	Wed 12/31/08		SMW LLP
483	Sign Declarations	162 days	Fri 4/18/08	Mon 12/1/08	481SS	SMW LLP
484	File Court Action	10 days	Tue 12/2/08	Mon 12/15/08	483	SMW LLP
485	Court hearing	11 days	Tue 12/16/08	Tue 12/30/08	484	SMW LLP
486	Court Ordered Access	1 day	Wed 12/31/08	Wed 12/31/08	485	SMW LLP
487	Borrow Sites (Airport North Buffer lands Grasslands 1 and 2)	12 days	Mon 3/17/08	Wed 4/2/08		BRI
488	ID properties with associated actions	1 day	Mon 3/17/08	Tue 3/18/08		
489	Draw up contracts	1 day	Mon 3/17/08	Wed 3/19/08	488	
490	SAFCA Approval	1 day	Mon 3/17/08	Thu 3/20/08	489	
491	Send ROE to Property Owners	1 day	Mon 3/17/08	Fri 3/21/08	490	
492	Contact Property Owners	1 day	Mon 3/17/08	Mon 3/24/08	491	
493	Negotiate	1 day	Mon 3/17/08	Tue 3/25/08	492	
494	Close Deal	1 day	Tue 4/1/08	Wed 4/2/08	493	
495	Borrow Site (Brookfield Borrow/Restoration)	12 days	Mon 3/17/08	Wed 4/2/08		BRI
496	ID properties with associated actions	1 day	Mon 3/17/08	Tue 3/18/08		
497	Draw up contracts	1 day	Mon 3/17/08	Wed 3/19/08	496	
498	SAFCA Approval	1 day	Mon 3/17/08	Thu 3/20/08	497	
499	Send ROE to Property Owners	1 day	Mon 3/17/08	Fri 3/21/08	498	
500	Contact Property Owners	1 day	Mon 3/17/08	Mon 3/24/08	499	
501	Negotiate	1 day	Mon 3/17/08	Tue 3/25/08	500	
502	Close Deal	1 day	Tue 4/1/08	Wed 4/2/08	501	
503	Borrow Site (Fisherman's Lake, Grasslands 3.boot)	488 days	Tue 3/25/08	Thu 2/4/10		BRI
504	ID properties with associated actions	1 day	Tue 3/25/08	Tue 3/25/08		
505	Draw up contracts	1 day	Wed 3/26/08	Wed 3/26/08	504	
506	SAFCA Approval	1 day	Thu 3/27/08	Thu 3/27/08	505	
507	Send ROE to Property Owners	1 day	Fri 3/28/08	Fri 3/28/08	506	
508	Contact Property Owners	1 day	Mon 3/31/08	Mon 3/31/08	507	
509	Negotiate	178 days	Tue 4/1/08	Thu 12/18/08	508	OPC
510	Close Deal / Impass	1 day	Fri 12/19/08	Fri 12/19/08	509	OPC
511	Impass (~6 weeks)	294 days	Fri 12/19/08	Thu 2/4/10	510	SMW LLP
512	Sign Declarations	365 edays	Fri 12/19/08	Wed 1/6/10		SMW LLP
513	File Court Action	1 day	Wed 1/6/10	Wed 1/6/10	512	SMW LLP
514	Court hearing	20 days	Thu 1/7/10	Wed 2/3/10	513	SMW LLP
515	Possession	1 day	Thu 2/4/10	Thu 2/4/10	514	SMW LLP
516	NEMDC West	200 days	Mon 3/17/08	Fri 12/19/08		BRI
517	ID properties with associated actions	1 day	Mon 3/17/08	Mon 3/17/08		
518	Draw up contracts	1 day	Tue 3/18/08	Tue 3/18/08	517	
519	SAFCA Approval	1 day	Wed 3/19/08	Wed 3/19/08	518	
520	Send ROE to Property Owners	5 days	Thu 3/20/08	Wed 3/26/08	519	
521	Addendum to ROE	1 day	Thu 3/27/08	Thu 3/27/08	520	
522	Contact Property Owners	1 day	Fri 3/28/08	Fri 3/28/08	521	
523	Negotiate	10 days	Mon 3/31/08	Fri 4/11/08	522	
524	Close Deal / Impass	1 day	Mon 4/14/08	Mon 4/14/08	523	BRI
525	Impass (~6 weeks)	179 days	Tue 4/15/08	Fri 12/19/08	524	SMW LLP
526	Sign Declarations	157 days	Tue 4/15/08	Wed 11/19/08		SMW LLP
527	File Court Action	10 days	Thu 11/20/08	Wed 12/3/08	526	SMW LLP
528	Court hearing	11 days	Thu 12/4/08	Thu 12/18/08	527	SMW LLP
529	Court Ordered Access	1 day	Fri 12/19/08	Fri 12/19/08	528	SMW LLP
530	American River	220.51 days	Fri 2/15/08	Fri 12/19/08		BRI



**SACRAMENTO AREA FLOOD CONTROL AGENCY
NATOMAS LEVEE IMPROVEMENT PROJECT**

MASTER SCHEDULE

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ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names
531	ID properties with associated actions	1 day	Fri 2/15/08	Fri 2/15/08		
532	Draw up contracts	1 day	Mon 2/18/08	Mon 2/18/08	531	
533	SAFCA Approval	1 day	Tue 2/19/08	Tue 2/19/08	532	
534	Send ROE to Property Owners	1 day	Wed 2/20/08	Wed 2/20/08	533	
535	Contact Property Owners	1 day	Thu 2/21/08	Thu 2/21/08	534	
536	Negotiate	43 days	Fri 2/22/08	Tue 4/22/08	535	
537	Close Deal / Impass	1 day	Fri 3/7/08	Wed 4/23/08	536	
538	Impass (~6 weeks)	204.51 days	Mon 3/10/08	Fri 12/19/08	537	
539	Sign Declarations	143 days	Mon 3/10/08	Wed 11/19/08		SMW LLP
540	File Court Action	10 days	Wed 11/19/08	Wed 12/3/08	539	SMW LLP
541	Court hearing	11 days	Wed 12/3/08	Thu 12/18/08	540	SMW LLP
542	Court Ordered Access	1 day	Thu 12/18/08	Fri 12/19/08	541	SMW LLP
543	Right of Way Acquisition for Phase II	882 days	Mon 5/1/06	Tue 9/15/09		BRI
544	Natomas Cross Canal Phase 2	357 days	Mon 12/3/07	Wed 4/15/09		BRI
545	Unoccupied properties	309 days	Mon 12/3/07	Fri 2/6/09		BRI
546	Title Reports	1 day	Mon 12/3/07	Mon 12/3/07		OPC
547	Boundary Survey	20 days	Tue 12/4/07	Mon 12/31/07	546	
548	Plats and Legal's	10 days	Tue 1/1/08	Mon 1/14/08	547	OPC
549	Appraisal	20 days	Tue 1/15/08	Mon 2/11/08	548	OPC
550	Appraisal Review and SAFCA Approval	1 day	Tue 2/12/08	Tue 2/12/08	549	
551	Preparation of Formal Offers	1 day	Wed 2/13/08	Wed 2/13/08	550	OPC
552	Negotiations	25 days	Thu 2/14/08	Wed 3/19/08	551	SAFCA
553	SAFCA Board Resolutions of Necessity-Non Owner Occupied	1 day	Thu 3/20/08	Thu 3/20/08	552	SAFCA
554	File Court Papers	10 days	Fri 3/21/08	Thu 4/3/08	553	SAFCA
555	Serve Court Papers	1 day	Fri 4/4/08	Fri 4/4/08	554	SAFCA
556	Order of Possession Hearing	138.38 edays	Fri 4/4/08	Wed 8/20/08	555	SMW LLP
557	Effective Order of Possession	170 edays	Wed 8/20/08	Fri 2/6/09	556	SMW LLP
558	Occupied and agency properties (Shelley, Hovis, Henningsen)	356 days	Tue 12/4/07	Wed 4/15/09		BRI
559	Title Reports	1 day	Tue 12/4/07	Tue 12/4/07	546	OPC
560	Boundary Survey	20 days	Wed 12/5/07	Tue 1/1/08	559	
561	Plats and Legal's	10 days	Wed 1/2/08	Tue 1/15/08	560	OPC
562	Appraisal	20 days	Mon 1/21/08	Fri 2/15/08	561	OPC
563	Appraisal Review and SAFCA Approval	1 day	Mon 2/18/08	Mon 2/18/08	562	
564	Preparation of Formal Offers	1 day	Tue 2/19/08	Tue 2/19/08	563	OPC
565	Negotiations	86 days	Wed 2/20/08	Mon 8/18/08	564	OPC
566	Relocation	365 edays	Tue 4/15/08	Wed 4/15/09	564	OPC
567	SAFCA Board Resolutions of Necessity-Non Owner Occupied	1 day	Thu 8/21/08	Thu 8/21/08	565	SAFCA
568	Escrow	54 days	Tue 8/19/08	Fri 10/31/08	565	SMW LLP
569	File Court Papers	90 edays	Thu 8/21/08	Wed 11/19/08	567	SMW LLP
570	Serve Court Papers	30 edays	Wed 11/19/08	Fri 12/19/08	569	SMW LLP
571	Order of Possession Hearing	1 day	Fri 12/19/08	Fri 12/19/08	570	SMW LLP
572	Effective Order of Possession	1 day	Mon 12/22/08	Mon 12/22/08	571	SMW LLP
573	Sac R East Levee Phase 1 (Reaches 1-4B)	882 days	Mon 5/1/06	Tue 9/15/09		BRI
574	Unoccupied properties	293 days	Mon 12/3/07	Thu 1/15/09		BRI
575	Title Reports	1 day	Mon 12/3/07	Mon 12/3/07		OPC
576	Boundary Survey	20 days	Tue 12/4/07	Mon 12/31/07	575	
577	Plats and Legal's	10 days	Tue 1/1/08	Mon 1/14/08	576	OPC
578	Appraisal	20 days	Tue 1/15/08	Mon 2/11/08	577	OPC
579	Appraisal Review and SAFCA Approval	1 day	Tue 2/12/08	Tue 2/12/08	578	
580	Preparation of Formal Offers	1 day	Wed 2/13/08	Wed 2/13/08	579	OPC
581	Negotiations	25 days	Thu 2/14/08	Wed 3/19/08	580	SAFCA
582	SAFCA Board Resolutions of Necessity-Non Owner Occupied	1 day	Thu 3/20/08	Thu 3/20/08	581	SAFCA
583	File Court Papers	10 days	Fri 3/21/08	Thu 4/3/08	582	SAFCA
584	Serve Court Papers	1 day	Fri 4/4/08	Fri 4/4/08	583	SAFCA
585	Settlement Negotiations	117 days	Fri 3/21/08	Mon 9/1/08	582	
586	Order of Possession Hearing	124.88 edays	Fri 4/4/08	Wed 8/20/08	584	BRI
587	Effective Order of Possession	148 edays	Wed 8/20/08	Thu 1/15/09	586	BRI
588	Occupied and agency properties	882 days	Mon 5/1/06	Tue 9/15/09		BRI
589	Title Reports	1 day	Mon 5/1/06	Mon 5/1/06		OPC
590	Boundary Survey	20 days	Tue 5/2/06	Mon 5/29/06	589	
591	Plats and Legal's	15 days	Tue 5/30/06	Mon 6/19/06	590	OPC
592	Appraisal	20 days	Mon 1/21/08	Fri 2/15/08	591	OPC
593	Appraisal Review and SAFCA Approval	1 day	Mon 2/18/08	Mon 2/18/08	592	
594	Preparation of Formal Offers	1 day	Tue 2/19/08	Tue 2/19/08	593	OPC
595	Negotiations	235 days	Wed 2/20/08	Fri 3/13/09	594	OPC
596	Relocation	574.38 edays	Tue 2/19/08	Tue 9/15/09	594	OPC
597	Escrow	150 days	Tue 8/19/08	Mon 3/16/09	595	SMW LLP
598	Effective Order of Possession	1 day	Mon 3/16/09	Mon 3/16/09	595	SMW LLP
599	Relocation Work Sac R East & Elkhorn Irr. & GGS/Drainage Canal (Sac R East Reaches 4B to 6A)	197 days	Mon 12/3/07	Tue 9/2/08		BRI
600	Unoccupied properties	197 days	Mon 12/3/07	Tue 9/2/08		BRI
601	Title Reports	1 day	Mon 12/3/07	Mon 12/3/07		OPC
602	Boundary Survey	20 days	Tue 12/4/07	Mon 12/31/07	601	
603	Plats and Legal's	10 days	Tue 1/1/08	Mon 1/14/08	602	OPC
604	Appraisal	20 days	Tue 1/15/08	Mon 2/11/08	603	OPC
605	Appraisal Review and SAFCA Approval	1 day	Tue 2/12/08	Tue 2/12/08	604	
606	Preparation of Formal Offers	1 day	Wed 2/13/08	Wed 2/13/08	605	OPC
607	Negotiations	25 days	Thu 2/14/08	Wed 3/19/08	606	SAFCA
608	SAFCA Board Resolutions of Necessity-Non Owner Occupied	1 day	Thu 3/20/08	Thu 3/20/08	607	SAFCA
609	File Court Papers	10 days	Fri 3/21/08	Thu 4/3/08	608	SAFCA
610	Serve Court Papers	1 day	Fri 4/4/08	Fri 4/4/08	609	SAFCA
611	Order of Possession Hearing	138.38 edays	Fri 4/4/08	Wed 8/20/08	610	SMW LLP
612	Effective Order of Possession	13.38 edays	Wed 8/20/08	Tue 9/2/08	611	SMW LLP
613	Right of Way Acquisition for Phase III	702 days	Mon 12/3/07	Tue 8/10/10		BRI
614	Sacramento River East Levee Phase 3 (Reaches 5A-9B)	520 days	Mon 12/3/07	Sat 11/28/09		BRI
615	Unoccupied properties (Reaches 5A-6A)	197 days	Mon 12/3/07	Tue 9/2/08		BRI
616	Title Reports	1 day	Mon 12/3/07	Mon 12/3/07		OPC
617	Boundary Survey	20 days	Tue 12/4/07	Mon 12/31/07	616	
618	Plats and Legal's	10 days	Tue 1/1/08	Mon 1/14/08	617	OPC
619	Appraisal	20 days	Tue 1/15/08	Mon 2/11/08	618	OPC
620	Appraisal Review and SAFCA Approval	1 day	Tue 2/12/08	Tue 2/12/08	619	
621	Preparation of Formal Offers	1 day	Wed 2/13/08	Wed 2/13/08	620	OPC
622	Negotiations	25 days	Thu 2/14/08	Wed 3/19/08	621	SAFCA
623	SAFCA Board Resolutions of Necessity-Non Owner Occupied	1 day	Thu 3/20/08	Thu 3/20/08	622	SAFCA
624	File Court Papers	10 days	Fri 3/21/08	Thu 4/3/08	623	SAFCA
625	Serve Court Papers	1 day	Fri 4/4/08	Fri 4/4/08	624	SAFCA
626	Order of Possession Hearing	115.88 edays	Fri 4/4/08	Wed 8/20/08	625	SMW LLP
627	Effective Order of Possession	13.38 edays	Wed 8/20/08	Tue 9/2/08	626	SMW LLP
628	Unoccupied properties (Reaches 6B-9B)	412 days	Thu 5/1/08	Sat 11/28/09		BRI
629	Title Reports	1 day	Thu 5/1/08	Thu 5/1/08		Psomas
630	Boundary Survey	61 days	Fri 5/2/08	Fri 7/25/08	629	Psomas
631	Plats and Legal's	72 days	Mon 7/28/08	Tue 11/4/08	630	Psomas
632	Appraisal	41 days	Wed 11/5/08	Wed 12/31/08	631	SJZ LLP
633	Appraisal Review and SAFCA Approval	1 day	Thu 1/1/09	Thu 1/1/09	632	SAFCA
634	Preparation of Formal Offers	1 day	Fri 1/2/09	Fri 1/2/09	633	OPC
635	Negotiations	25 days	Mon 1/5/09	Fri 2/6/09	634	OPC
636	SAFCA Board Resolutions of Necessity-Non Owner Occupied	1 day	Mon 2/9/09	Mon 2/9/09	635	SAFCA



**SACRAMENTO AREA FLOOD CONTROL AGENCY
NATOMAS LEVEE IMPROVEMENT PROJECT**

MASTER SCHEDULE

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ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names
637	File Court Papers	10 days	Tue 2/10/09	Mon 2/23/09	636	SMW LLP
638	Serve Court Papers	1 day	Tue 2/24/09	Tue 2/24/09	637	SMW LLP
639	Order of Possession Hearing	90 edays	Tue 2/24/09	Mon 5/25/09	638	SMW LLP
640	Effective Order of Possession	30 edays	Mon 5/25/09	Wed 6/24/09	639	SMW LLP
641	Occupied properties (6A-9B)	408 days	Wed 5/7/08	Sat 11/28/09		BRI
642	Title Reports	1 day	Wed 5/7/08	Wed 5/7/08		Psomas
643	Boundary Survey	57 days	Thu 5/8/08	Fri 7/25/08	642	Psomas
644	Plats and Legal's	72 days	Mon 7/28/08	Tue 11/4/08	643	Psomas
645	Appraisal	15 days	Wed 11/5/08	Tue 11/25/08	644	SJZ LLP
646	Appraisal Review and SAFCA Approval	2 days	Wed 11/26/08	Thu 11/27/08	645	SAFCA
647	Preparation of Formal Offers	1 day	Fri 11/28/08	Fri 11/28/08	646	OPC
648	Negotiations	85 days	Mon 12/1/08	Fri 3/27/09	647	OPC
649	Relocation (Reach 8)	263 days	Wed 11/26/08	Sat 11/28/09		OPC
650	Identify Onsite Relocations	1 day	Mon 12/1/08	Mon 12/1/08	647	OPC
651	Notice of Decision to Acquire	5 days	Tue 12/2/08	Mon 12/8/08	650	OPC
652	Replacement Housing Valuation	20 days	Wed 11/26/08	Tue 12/23/08	645	OPC
653	Building Permit	103 days	Wed 12/24/08	Fri 5/15/09	652	OPC
654	Physical Relocation of Owner	365 edays	Fri 11/28/08	Sat 11/28/09	647	OPC
655	SAFCA Board Resolutions of Necessity-Non Owner Occupied	1 day	Thu 1/15/09	Thu 1/15/09	647	SAFCA
656	Escrow	30 days	Fri 1/16/09	Thu 2/26/09	655	SMW LLP
657	File Court Papers	90 edays	Thu 1/15/09	Wed 4/15/09	655	SMW LLP
658	Serve Court Papers	43 edays	Wed 4/15/09	Thu 5/28/09	657	SMW LLP
659	Order of Possession Hearing	1 day	Fri 5/29/09	Fri 5/29/09	658	SMW LLP
660	Effective Order of Possession	1 day	Mon 6/1/09	Mon 6/1/09	659	SMW LLP
661	Dhaliwal Property	279 days	Wed 5/7/08	Mon 6/1/09		BRI
662	Title Reports	1 day	Wed 5/7/08	Wed 5/7/08		Psomas
663	Boundary Survey	57 days	Thu 5/8/08	Fri 7/25/08	662	Psomas
664	Plats and Legal's	72 days	Mon 7/28/08	Tue 11/4/08	663	Psomas
665	Appraisal	15 days	Wed 11/5/08	Tue 11/25/08	664	SJZ LLP
666	Appraisal Review and SAFCA Approval	2 days	Wed 11/26/08	Thu 11/27/08	665	SAFCA
667	Preparation of Formal Offers	1 day	Fri 11/28/08	Fri 11/28/08	666	OPC
668	Negotiations	85 days	Mon 12/1/08	Fri 3/27/09	667	OPC
669	SAFCA Board Resolutions of Necessity-Non Owner Occupied	1 day	Thu 1/15/09	Thu 1/15/09	667	SAFCA
670	Escrow	30 days	Fri 1/16/09	Thu 2/26/09	669	SMW LLP
671	File Court Papers	90 edays	Thu 1/15/09	Wed 4/15/09	669	SMW LLP
672	Serve Court Papers	43 edays	Wed 4/15/09	Thu 5/28/09	671	SMW LLP
673	Order of Possession Hearing	1 day	Fri 5/29/09	Fri 5/29/09	672	SMW LLP
674	Effective Order of Possession	1 day	Mon 6/1/09	Mon 6/1/09	673	SMW LLP
675	PGCC	457 days	Thu 5/1/08	Mon 2/1/10		BRI
676	Unoccupied properties	457 days	Thu 5/1/08	Mon 2/1/10		BRI
677	Title Reports	0 days	Thu 5/1/08	Thu 5/1/08		Psomas
678	Boundary Survey	30 days	Fri 5/2/08	Thu 6/12/08	677	Psomas
679	Plats and Legal's	200 days	Fri 6/13/08	Thu 3/19/09	678	Psomas
680	Appraisal	101 days	Fri 3/20/09	Fri 8/7/09	679	SJZ LLP
681	Appraisal Review and SAFCA Approval	20 days	Mon 8/10/09	Fri 9/4/09	680	SAFCA
682	Preparation of Formal Offers	5 days	Mon 9/7/09	Fri 9/11/09	681	OPC
683	Negotiations	39 days	Mon 9/14/09	Thu 11/5/09	682	OPC
684	SAFCA Board Resolutions of Necessity-Non Owner Occupied	1 day	Fri 11/6/09	Fri 11/6/09	683	SAFCA
685	File Court Papers	10 days	Mon 11/9/09	Fri 11/20/09	684	SMW LLP
686	Serve Court Papers	1 day	Mon 11/23/09	Mon 11/23/09	685	SMW LLP
687	Order of Possession Hearing	60 edays	Mon 11/23/09	Fri 1/22/10	686	SMW LLP
688	Effective Order of Possession	10 edays	Fri 1/22/10	Mon 2/1/10	687	SMW LLP
689	NEMDC West (Elkhorn Blvd. to Northgate Blvd.)	594 days	Thu 5/1/08	Tue 8/10/10		BRI
690	Unoccupied properties	594 days	Thu 5/1/08	Tue 8/10/10		BRI
691	ROE	1 day	Thu 5/1/08	Thu 5/1/08		Psomas
692	Title Reports	1 day	Fri 5/2/08	Fri 5/2/08	691	Psomas
693	Boundary Survey	132 days	Mon 5/5/08	Tue 11/4/08	692	Psomas
694	Plats and Legal's	15 days	Wed 11/5/08	Tue 11/25/08	693	Psomas
695	Appraisal	320 days	Wed 11/26/08	Tue 2/16/10	694	SJZ LLP
696	Appraisal Review and SAFCA Approval	20 days	Wed 2/17/10	Tue 3/16/10	695	SAFCA
697	Preparation of Formal Offers	5 days	Wed 3/17/10	Tue 3/23/10	696	OPC
698	Negotiations	38 days	Wed 3/24/10	Fri 5/14/10	697	OPC
699	SAFCA Board Resolutions of Necessity-Non Owner Occupied	1 day	Mon 5/17/10	Mon 5/17/10	698	SAFCA
700	File Court Papers	10 days	Tue 5/18/10	Mon 5/31/10	699	SMW LLP
701	Serve Court Papers	1 day	Tue 6/1/10	Tue 6/1/10	700	SMW LLP
702	Order of Possession Hearing	60 edays	Tue 6/1/10	Sat 7/31/10	701	SMW LLP
703	Effective Order of Possession	10 edays	Sat 7/31/10	Tue 8/10/10	702	SMW LLP
704	Right of Way Acquisition for Phase IV - Construction	1414 days	Mon 5/1/06	Thu 9/29/11		BRI
705	NEMDC West (Sankey Rd. to Elkhorn Blvd.)	1253 days	Mon 5/1/06	Wed 2/16/11		BRI
706	Unoccupied properties	633 days	Fri 8/1/08	Tue 1/4/11		BRI
707	Title Reports	1 day	Fri 8/1/08	Fri 8/1/08		OPC
708	Boundary Survey	333 days	Mon 8/4/08	Wed 11/11/09	707	Psomas
709	Plats and Legal's	10 days	Thu 11/12/09	Wed 11/25/09	708	Psomas
710	Appraisal	60 days	Thu 11/26/09	Wed 2/17/10	709	SJZ LLP
711	Appraisal Review and SAFCA Approval	30 days	Thu 2/18/10	Wed 3/31/10	710	SAFCA
712	Preparation of Formal Offers	1 day	Thu 4/1/10	Thu 4/1/10	711	OPC
713	Negotiations	100 days	Fri 4/2/10	Thu 8/19/10	712	OPC
714	SAFCA Board Resolutions of Necessity-Non Owner Occupied	1 day	Fri 8/20/10	Fri 8/20/10	713	SAFCA
715	File Court Papers	10 days	Mon 8/23/10	Fri 9/3/10	714	SMW LLP
716	Serve Court Papers	1 day	Mon 9/6/10	Mon 9/6/10	715	SMW LLP
717	Order of Possession Hearing	90 edays	Mon 9/6/10	Sun 12/5/10	716	SMW LLP
718	Effective Order of Possession	30 edays	Sun 12/5/10	Tue 1/4/11	717	SMW LLP
719	Occupied and agency properties	1253 days	Mon 5/1/06	Wed 2/16/11		BRI
720	Title Reports	1 day	Fri 8/1/08	Fri 8/1/08		OPC
721	Boundary Survey	80 days	Mon 8/4/08	Fri 11/21/08	720	Psomas
722	Plats and Legal's	20 days	Mon 11/24/08	Fri 12/19/08	721	Psomas
723	Appraisal	60 days	Mon 12/22/08	Fri 3/13/09	722	SJZ LLP
724	Appraisal Review and SAFCA Approval	321 days	Mon 11/24/08	Mon 2/15/10	721	SAFCA
725	Preparation of Formal Offers	1 day	Tue 2/16/10	Tue 2/16/10	724	OPC
726	Negotiations	86 days	Wed 2/17/10	Wed 6/16/10	725	OPC
727	Relocation	1253 days	Mon 5/1/06	Wed 2/16/11		OPC
728	Identify Onsite Relocations	497 days	Mon 5/1/06	Tue 3/25/08		OPC
729	Notice of Decision to Acquire	5 days	Wed 3/26/08	Tue 4/1/08	728	OPC
730	Replacement Housing Valuation	20 days	Mon 3/16/09	Fri 4/10/09	723	OPC
731	Building Permit	20 days	Mon 4/13/09	Fri 5/8/09	730	OPC
732	Physical Relocation of Owner	365 edays	Tue 2/16/10	Wed 2/16/11	725	OPC
733	SAFCA Board Resolutions of Necessity-Non Owner Occupied	1 day	Thu 11/19/09	Thu 11/19/09		SAFCA
734	Escrow	30 days	Thu 6/17/10	Wed 7/28/10	726	SMW LLP
735	File Court Papers	378 edays	Thu 11/19/09	Thu 12/2/10	733	SMW LLP
736	Serve Court Papers	30 edays	Thu 12/2/10	Sat 1/1/11	735	SMW LLP
737	Order of Possession Hearing	1 day	Mon 1/3/11	Mon 1/3/11	736	SMW LLP
738	Effective Order of Possession	1 day	Tue 1/4/11	Tue 1/4/11	737	SMW LLP
739	Sacramento River East Levee Phase 3 (Reaches 10-15)	657 days	Tue 3/25/08	Wed 9/29/10		BRI
740	Unoccupied properties	345 days	Mon 11/3/08	Sat 2/27/10		BRI
741	Title Reports	1 day	Mon 11/3/08	Mon 11/3/08		OPC
742	Boundary Survey	20 days	Tue 11/4/08	Mon 12/1/08	741	Psomas



**SACRAMENTO AREA FLOOD CONTROL AGENCY
NATOMAS LEVEE IMPROVEMENT PROJECT**

MASTER SCHEDULE

Updated 10-23-08

ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names
743	Plats and Legal's	10 days	Tue 12/2/08	Mon 12/15/08	742	Psomas
744	Appraisal	120 edays	Mon 12/15/08	Tue 4/14/09	743	SJZ LLP
745	Appraisal Review and SAFCA Approval	30 days	Wed 4/15/09	Tue 5/26/09	744	SAFCA
746	Preparation of Formal Offers	1 day	Wed 5/27/09	Wed 5/27/09	745	OPC
747	Negotiations	100 days	Thu 5/28/09	Wed 10/14/09	746	OPC
748	SAFCA Board Resolutions of Necessity-Non Owner Occupied	1 day	Thu 10/15/09	Thu 10/15/09	747	SAFCA
749	File Court Papers	10 days	Fri 10/16/09	Thu 10/29/09	748	SMW LLP
750	Serve Court Papers	1 day	Fri 10/30/09	Fri 10/30/09	749	SMW LLP
751	Order of Possession Hearing	90 edays	Fri 10/30/09	Thu 1/28/10	750	SMW LLP
752	Effective Order of Possession	30 edays	Thu 1/28/10	Sat 2/27/10	751	SMW LLP
753	Occupied Properties	657 days	Tue 3/25/08	Wed 9/29/10		BRI
754	Title Reports	1 day	Mon 6/1/09	Mon 6/1/09		OPC
755	Boundary Survey	5 days	Tue 6/2/09	Mon 6/8/09	754	Psomas
756	Plats and Legal's	20 days	Tue 6/9/09	Mon 7/6/09	755	Psomas
757	Appraisal	30 days	Tue 7/7/09	Mon 8/17/09	756	SJZ LLP
758	Appraisal Review and SAFCA Approval	30 days	Tue 8/18/09	Mon 9/28/09	757	SAFCA
759	Preparation of Formal Offers	1 day	Tue 9/29/09	Tue 9/29/09	758	OPC
760	Negotiations	86 days	Wed 9/30/09	Wed 1/27/10	759	OPC
761	Relocation	657 days	Tue 3/25/08	Wed 9/29/10		OPC
762	Identify Onsite Relocations	1 day	Tue 3/25/08	Tue 3/25/08		OPC
763	Notice of Decision to Acquire	5 days	Wed 3/26/08	Tue 4/1/08	762	OPC
764	Replacement Housing Valuation	31 days	Tue 8/18/09	Tue 9/29/09	763	OPC
765	Building Permit	77 days	Wed 9/30/09	Thu 1/14/10	764	OPC
766	Physical Relocation of Owner	365 edays	Tue 9/29/09	Wed 9/29/10	765	OPC
767	SAFCA Board Resolutions of Necessity-Non Owner Occupied	1 day	Thu 10/15/09	Thu 10/15/09		SAFCA
768	Escrow	30 days	Thu 1/28/10	Wed 3/10/10	767	SMW LLP
769	File Court Papers	90 edays	Thu 10/15/09	Wed 1/13/10	768	SMW LLP
770	Serve Court Papers	30 edays	Wed 1/13/10	Fri 2/12/10	769	SMW LLP
771	Order of Possession Hearing	1 day	Mon 2/15/10	Mon 2/15/10	770	SMW LLP
772	Effective Order of Possession	1 day	Tue 2/16/10	Tue 2/16/10	771	SMW LLP
773	Sacramento River East Levee Phase 3 (Reaches 16-20)	918 days	Tue 3/25/08	Thu 9/29/11		BRI
774	Unoccupied properties	345 days	Mon 11/2/09	Sat 2/26/11		BRI
775	Title Reports	1 day	Mon 11/2/09	Mon 11/2/09		OPC
776	Boundary Survey	20 days	Tue 11/3/09	Mon 11/30/09	775	Psomas
777	Plats and Legal's	10 days	Tue 12/1/09	Mon 12/14/09	776	Psomas
778	Appraisal	120 edays	Mon 12/14/09	Tue 4/13/10	777	SJZ LLP
779	Appraisal Review and SAFCA Approval	30 days	Wed 4/14/10	Tue 5/25/10	778	SAFCA
780	Preparation of Formal Offers	1 day	Wed 5/26/10	Wed 5/26/10	779	OPC
781	Negotiations	100 days	Thu 5/27/10	Wed 10/13/10	780	OPC
782	SAFCA Board Resolutions of Necessity-Non Owner Occupied	1 day	Thu 10/14/10	Thu 10/14/10	781	SAFCA
783	File Court Papers	10 days	Fri 10/15/10	Thu 10/28/10	782	SMW LLP
784	Serve Court Papers	1 day	Fri 10/29/10	Fri 10/29/10	783	SMW LLP
785	Order of Possession Hearing	90 edays	Fri 10/29/10	Thu 1/27/11	784	SMW LLP
786	Effective Order of Possession	30 edays	Thu 1/27/11	Sat 2/26/11	785	SMW LLP
787	Occupied Properties	918 days	Tue 3/25/08	Thu 9/29/11		BRI
788	Title Reports	1 day	Tue 6/1/10	Tue 6/1/10		OPC
789	Boundary Survey	5 days	Wed 6/2/10	Tue 6/8/10	788	Psomas
790	Plats and Legal's	20 days	Wed 6/9/10	Tue 7/6/10	789	Psomas
791	Appraisal	30 days	Wed 7/7/10	Tue 8/17/10	790	SJZ LLP
792	Appraisal Review and SAFCA Approval	30 days	Wed 8/18/10	Tue 9/28/10	791	SAFCA
793	Preparation of Formal Offers	1 day	Wed 9/29/10	Wed 9/29/10	792	OPC
794	Negotiations	86 days	Thu 9/30/10	Thu 1/27/11	793	OPC
795	Relocation	918 days	Tue 3/25/08	Thu 9/29/11		OPC
796	Identify Onsite Relocations	1 day	Tue 3/25/08	Tue 3/25/08		OPC
797	Notice of Decision to Acquire	5 days	Wed 3/26/08	Tue 4/1/08	796	OPC
798	Replacement Housing Valuation	31 days	Wed 8/18/10	Wed 9/29/10	797	OPC
799	Building Permit	77 days	Thu 9/30/10	Fri 1/14/11	798	OPC
800	Physical Relocation of Owner	365 edays	Wed 9/29/10	Thu 9/29/11	799	OPC
801	SAFCA Board Resolutions of Necessity-Non Owner Occupied	1 day	Thu 10/14/10	Thu 10/14/10		SAFCA
802	Escrow	30 days	Fri 1/28/11	Thu 3/10/11	801	SMW LLP
803	File Court Papers	90 edays	Thu 10/14/10	Wed 1/12/11	802	SMW LLP
804	Serve Court Papers	30 edays	Wed 1/12/11	Fri 2/11/11	803	SMW LLP
805	Order of Possession Hearing	1 day	Mon 2/14/11	Mon 2/14/11	804	SMW LLP
806	Effective Order of Possession	1 day	Tue 2/15/11	Tue 2/15/11	805	SMW LLP
807	American River North Levee	330 days	Mon 11/2/09	Sun 2/6/11		BRI
808	Unoccupied properties	330 days	Mon 11/2/09	Sun 2/6/11		BRI
809	Title Reports	1 day	Mon 11/2/09	Mon 11/2/09		Psomas
810	Boundary Survey	20 days	Tue 11/3/09	Mon 11/30/09	809	Psomas
811	Plats and Legal's	10 days	Tue 12/1/09	Mon 12/14/09	810	Psomas
812	Appraisal	120 edays	Mon 12/14/09	Tue 4/13/10	811	SJZ LLP
813	Appraisal Review and SAFCA Approval	30 days	Wed 4/14/10	Tue 5/25/10	812	SAFCA
814	Preparation of Formal Offers	1 day	Wed 5/26/10	Wed 5/26/10	813	OPC
815	Negotiations	100 days	Thu 5/27/10	Wed 10/13/10	814	OPC
816	SAFCA Board Resolutions of Necessity-Non Owner Occupied	1 day	Thu 10/14/10	Thu 10/14/10	815	SAFCA
817	File Court Papers	10 days	Fri 10/15/10	Thu 10/28/10	816	SMW LLP
818	Serve Court Papers	1 day	Fri 10/29/10	Fri 10/29/10	817	SMW LLP
819	Order of Possession Hearing	90 edays	Fri 10/29/10	Thu 1/27/11	818	SMW LLP
820	Effective Order of Possession	10 edays	Thu 1/27/11	Sun 2/6/11	819	SMW LLP
821	Riverside Irrigation Canal (Reaches 12-18)	345 days	Mon 11/3/08	Sat 2/27/10		BRI
822	Unoccupied properties	345 days	Mon 11/3/08	Sat 2/27/10		BRI
823	Title Reports	1 day	Mon 11/3/08	Mon 11/3/08		OPC
824	Boundary Survey	20 days	Tue 11/4/08	Mon 12/1/08	823	Psomas
825	Plats and Legal's	10 days	Tue 12/2/08	Mon 12/15/08	824	Psomas
826	Appraisal	120 edays	Mon 12/15/08	Tue 4/14/09	825	SJZ LLP
827	Appraisal Review and SAFCA Approval	30 days	Wed 4/15/09	Tue 5/26/09	826	SAFCA
828	Preparation of Formal Offers	1 day	Wed 5/27/09	Wed 5/27/09	827	OPC
829	Negotiations	100 days	Thu 5/28/09	Wed 10/14/09	828	OPC
830	SAFCA Board Resolutions of Necessity-Non Owner Occupied	1 day	Thu 10/15/09	Thu 10/15/09	829	SAFCA
831	File Court Papers	10 days	Fri 10/16/09	Thu 10/29/09	830	SMW LLP
832	Serve Court Papers	1 day	Fri 10/30/09	Fri 10/30/09	831	SMW LLP
833	Order of Possession Hearing	90 edays	Fri 10/30/09	Thu 1/28/10	832	SMW LLP
834	Effective Order of Possession	30 edays	Thu 1/28/10	Sat 2/27/10	833	SMW LLP
835	Joint Use Agreement Between SAFCA and RD 1000	20 days	Tue 10/28/08	Mon 11/24/08		SAFCA
836	Staff formulate Draft Agreement	10 days	Tue 10/28/08	Mon 11/10/08		SAFCA
837	RD1000 and SAFCA Negotiate agreement	7 days	Tue 11/11/08	Wed 11/19/08	836	SAFCA
838	SAFCA Board Resolution authorizing Exec Dir to Sign	1 day	Thu 11/20/08	Thu 11/20/08	837	SAFCA
839	RD1000 Board Resolution authorizing County Exec to Sign	1 day	Fri 11/21/08	Fri 11/21/08	838	RD1000
840	Signed Agreement	1 day	Mon 11/24/08	Mon 11/24/08	839	SAFCA
841	Joint Use Agreement Between SAFCA and the State	20 days	Tue 10/28/08	Mon 11/24/08		SAFCA
842	Staff formulate Draft Agreement	10 days	Tue 10/28/08	Mon 11/10/08		SAFCA
843	State and SAFCA Negotiate agreement	7 days	Tue 11/11/08	Wed 11/19/08	842	SAFCA
844	SAFCA Board Resolution authorizing Exec Dir to Sign	1 day	Thu 11/20/08	Thu 11/20/08	843	SAFCA
845	CVPFB Board Resolution authorizing State Exec to Sign	1 day	Fri 11/21/08	Fri 11/21/08	844	CVPFB
846	Signed Agreement	1 day	Mon 11/24/08	Mon 11/24/08	845	SAFCA
847	Brookfield Property Borrow/Restoration Agreements	147 days	Thu 5/1/08	Fri 11/21/08		SAFCA
848	Staff Draft Agreements for Borrow and Restoration	140 days	Thu 5/1/08	Wed 11/12/08		SAFCA



**SACRAMENTO AREA FLOOD CONTROL AGENCY
NATOMAS LEVEE IMPROVEMENT PROJECT**

MASTER SCHEDULE
Updated 10-23-08

ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names
849	Lessee (Jack DeWitt), Brookfield, Sign Agreement addressing lessee impacts	3 days	Thu 11/13/08	Mon 11/17/08	848	SAFCA
850	Brookfield Sign Agreement for Use of Borrow Materials	2 days	Tue 11/18/08	Wed 11/19/08	849	SAFCA
851	SAFCA Board Resolutions authorizing Exec Dir to Sign 2 Agreements	1 day	Thu 11/20/08	Thu 11/20/08	850	SAFCA
852	Agreements Completed; Ready for Construction	1 day	Fri 11/21/08	Fri 11/21/08	851	SAFCA
853	Sutter County Roadway Use and Restoration Agreement	232 days	Thu 11/1/07	Mon 9/22/08		SAFCA
854	Staff formulate Draft Agreement (Sutter s project, s road use, SAFCA funds repairs)	0 days	Thu 11/1/07	Thu 11/1/07		SAFCA
855	Sutter County and SAFCA Negotiate agreement	209 days	Fri 11/2/07	Wed 8/20/08	854	SAFCA
856	SAFCA Board Resolution authorizing Exec Dir to Sign	1 day	Thu 8/21/08	Thu 8/21/08		SAFCA
857	Sutter County Board Resolution authorizing County Exec to Sign	1 day	Wed 8/20/08	Wed 8/20/08	856	Sutter County
858	Signed Agreement	1 day	Mon 9/22/08	Mon 9/22/08	857	SAFCA
859	Sutter County Borrow Activities Agreement	116 days	Wed 6/18/08	Wed 11/26/08		SAFCA
860	Staff formulate Draft Agreement (Sutter Co s project, SAFCA funds Sutter Staff)	1 day	Wed 6/18/08	Wed 6/18/08		SAFCA
861	Sutter County and SAFCA Negotiate agreement	110 days	Thu 6/19/08	Wed 11/19/08	860	SAFCA
862	SAFCA Board Resolution authorizing Exec Dir to Sign	1 day	Thu 11/20/08	Thu 11/20/08	861	SAFCA
863	Sutter County Board Resolution authorizing County Exec to Sign	1 day	Tue 11/25/08	Tue 11/25/08	862	Sutter County
864	Signed Agreement	1 day	Wed 11/26/08	Wed 11/26/08	863	SAFCA
865	Natomas Basin Conservancy Management Agreement	211 days	Thu 5/1/08	Thu 2/19/09		SAFCA
866	Right of Way Permissions	22 days	Thu 5/1/08	Fri 5/30/08		SAFCA
867	Right of Entry to Construct	1 day	Thu 2/19/09	Thu 2/19/09		
868	Mitigation land trades	140 days	Thu 5/1/08	Wed 11/12/08		SAFCA
869	Long Term O&M Agreement	140 days	Thu 5/1/08	Wed 11/12/08		SAFCA
870	Staff formulate Draft Agreement for management of SAFCA properties/transfer/funding	15 days	Thu 5/1/08	Wed 5/21/08		SAFCA
871	SAFCA Board Resolution authorizing Exec Dir to Sign	20 days	Fri 5/23/08	Thu 6/19/08	870	SAFCA
872	Natomas Basin Conservancy and SAFCA Negotiate agreement	114 days	Fri 6/20/08	Wed 11/26/08	871	SAFCA
873	NBC Resolution authorizing Exec Dir to Sign	1 day	Thu 11/27/08	Thu 11/27/08	872	NBC
874	Signed Agreement	1 day	Fri 11/28/08	Fri 11/28/08	873	SAFCA
875	Sac County Airport/FAA Agreement	126 days	Wed 10/1/08	Wed 3/25/09		SAFCA
876	MOU between SAFCA/ County Airport	126 days	Wed 10/1/08	Wed 3/25/09		SAFCA
877	Draft Agreement	10 days	Wed 10/1/08	Tue 10/14/08		SAFCA
878	Negotiate Contract Terms	110 days	Wed 10/15/08	Tue 3/17/09	877	SAFCA
879	Board Approval of Agreement	1 day	Wed 3/18/09	Wed 3/18/09	878	SAFCA
880	SAFCA Board Resolution authorizing Exec Dir to Sign	1 day	Thu 3/19/09	Thu 3/19/09	879	SAFCA
881	Sacramento County Board Resolution authorizing County Exec to Sign	3 days	Fri 3/20/09	Tue 3/24/09	880	SAFCA
882	Signed Agreement	1 day	Wed 3/25/09	Wed 3/25/09	881	SAFCA
883	Borrow Agreement	102 days	Wed 10/1/08	Thu 2/19/09		
884	Right of Entry to Construct (If Necessary)	1 day	Thu 2/19/09	Thu 2/19/09		SAFCA
885	Draft Agreement	10 days	Wed 10/1/08	Tue 10/14/08		SAFCA
886	Negotiate Terms	20 days	Wed 10/15/08	Tue 11/11/08	885	SAFCA
887	FAA Approval	5 days	Wed 11/12/08	Tue 11/18/08	886	SAFCA
888	Board Approval of Agreement	1 day	Wed 11/19/08	Wed 11/19/08	887	SAFCA
889	SAFCA Board Resolution authorizing Exec Dir to Sign	1 day	Thu 11/20/08	Thu 11/20/08	888	SAFCA
890	Sacramento County Board Resolution authorizing County Exec to Sign	3 days	Fri 11/21/08	Tue 11/25/08	889	SAFCA
891	Signed Agreement	1 day	Wed 11/26/08	Wed 11/26/08	890	SAFCA
892	Drainage Canal Agreement	126 days	Wed 10/1/08	Wed 3/25/09		
893	Right of Entry to Construct (If Necessary)	1 day	Thu 2/19/09	Thu 2/19/09		SAFCA
894	Draft Agreement	10 days	Wed 10/1/08	Tue 10/14/08		SAFCA
895	Negotiate Terms	110 days	Wed 10/15/08	Tue 3/17/09	894	SAFCA
896	Board Approval of Agreement	1 day	Wed 3/18/09	Wed 3/18/09	895	SAFCA
897	SAFCA Board Resolution authorizing Exec Dir to Sign	1 day	Thu 3/19/09	Thu 3/19/09	896	SAFCA
898	Sacramento County Board Resolution authorizing County Exec to Sign	3 days	Fri 3/20/09	Tue 3/24/09	897	SAFCA
899	Signed Agreement/Easement Granted	1 day	Wed 3/25/09	Wed 3/25/09	898	SAFCA
900	Water Facility Agreement	126 days	Wed 10/1/08	Wed 3/25/09		
901	Right of Entry to Construct (If Necessary)	1 day	Thu 2/19/09	Thu 2/19/09		SAFCA
902	Draft Agreement	10 days	Wed 10/1/08	Tue 10/14/08		SAFCA
903	Negotiate Terms	110 days	Wed 10/15/08	Tue 3/17/09	902	SAFCA
904	Board Approval of Agreement	1 day	Wed 3/18/09	Wed 3/18/09	903	SAFCA
905	SAFCA Board Resolution authorizing Exec Dir to Sign	1 day	Thu 3/19/09	Thu 3/19/09	904	SAFCA
906	Sacramento County Board Resolution authorizing County Exec to Sign	3 days	Fri 3/20/09	Tue 3/24/09	905	SAFCA
907	Signed Agreement	1 day	Wed 3/25/09	Wed 3/25/09	906	SAFCA
908	Flood Control Agreement	126 days	Wed 10/1/08	Wed 3/25/09		
909	Right of Entry to Construct (If Necessary)	1 day	Thu 2/19/09	Thu 2/19/09		SAFCA
910	Draft Agreement	10 days	Wed 10/1/08	Tue 10/14/08		SAFCA
911	Negotiate Terms	110 days	Wed 10/15/08	Tue 3/17/09	910	SAFCA
912	Board Approval of Agreement	1 day	Wed 3/18/09	Wed 3/18/09	911	SAFCA
913	SAFCA Board Resolution authorizing Exec Dir to Sign	1 day	Thu 3/19/09	Thu 3/19/09	912	SAFCA
914	Sacramento County Board Resolution authorizing County Exec to Sign	3 days	Fri 3/20/09	Tue 3/24/09	913	SAFCA
915	Signed Agreement/Easement Granted	1 day	Wed 3/25/09	Wed 3/25/09	914	SAFCA
916	Natomas Mutual Water Company Agreement for Water Delivery	102 days	Wed 10/1/08	Thu 2/19/09		SAFCA
917	Right of Entry Agreement Signed	57 days	Wed 10/1/08	Thu 12/18/08		SAFCA
918	Staff formulate Draft Agreement water delivery terms and conditions	25 days	Wed 10/1/08	Tue 11/4/08		SAFCA
919	NMWC and SAFCA Negotiate Agreement	30 days	Wed 11/5/08	Tue 12/16/08	918	SAFCA
920	Board Approval of Agreement	1 day	Thu 12/18/08	Thu 12/18/08	919	SAFCA
921	Long Term O&M Agreement Signed	20 days	Fri 12/19/08	Thu 1/15/09	920	SAFCA
922	Right of Entry Agreement (if Necessary)	1 day	Thu 2/19/09	Thu 2/19/09		SAFCA
923	RD 1000 Land Maintenance Agreement	102 days	Wed 10/1/08	Thu 2/19/09		SAFCA
924	Staff formulate Draft Agreement for O&M of Flood Easement and Drainage/Canals	25 days	Wed 10/1/08	Tue 11/4/08		SAFCA
925	RD 1000 and SAFCA negotiate Agreement	20 days	Wed 11/5/08	Tue 12/2/08	924	SAFCA
926	SAFCA Board Resolution authorizing Exec Dir to Sign	1 day	Thu 12/18/08	Thu 12/18/08	925	SAFCA
927	RD 1000 Board Resolution authorizing General Manager to Sign	1 day	Fri 12/19/08	Fri 12/19/08	926	RD1000
928	Signed Agreement	1 day	Mon 12/22/08	Mon 12/22/08	927	SAFCA
929	Right of Entry Agreement (if Necessary)	1 day	Thu 2/19/09	Thu 2/19/09		SAFCA
930	Utility Relocation Agreements	41 days	Wed 10/1/08	Wed 11/26/08		SAFCA
931	PG&E Utility Relocation Agreement	41 days	Wed 10/1/08	Wed 11/26/08		SAFCA
932	Draft Agreement	10 days	Wed 10/1/08	Tue 10/14/08		SAFCA
933	Negotiate Contract Terms	25 days	Wed 10/15/08	Tue 11/18/08	932	SAFCA
934	Board Approval of Agreement	1 day	Wed 11/19/08	Wed 11/19/08	933	SAFCA
935	SAFCA Board Resolution authorizing Exec Dir to Sign	1 day	Thu 11/20/08	Thu 11/20/08	934	SAFCA
936	PG&E Signs Agreement	3 days	Fri 11/21/08	Tue 11/25/08	935	SAFCA
937	SAFCA Signed Agreement	1 day	Wed 11/26/08	Wed 11/26/08	936	SAFCA
938	SMUD Utility Relocation Agreement	41 days	Wed 10/1/08	Wed 11/26/08		SAFCA
939	Draft Agreement	10 days	Wed 10/1/08	Tue 10/14/08		SAFCA
940	Negotiate Contract Terms	25 days	Wed 10/15/08	Tue 11/18/08	939	SAFCA
941	Board Approval of Agreement	1 day	Wed 11/19/08	Wed 11/19/08	940	SAFCA
942	SAFCA Board Resolution authorizing Exec Dir to Sign	1 day	Thu 11/20/08	Thu 11/20/08	941	SAFCA
943	SMUD Signs Agreement	3 days	Fri 11/21/08	Tue 11/25/08	942	SAFCA
944	SAFCA Signed Agreement	1 day	Wed 11/26/08	Wed 11/26/08	943	SAFCA
945	Funding	897 days	Thu 3/15/07	Fri 8/20/10		SAFCA
946	Development Fee Program	215 days	Fri 3/7/08	Thu 1/1/09		SAFCA
947	Release draft report	1 day	Fri 3/7/08	Fri 3/7/08		SAFCA
948	Workshop	1 day	Mon 3/17/08	Mon 3/17/08	947	SAFCA
949	SAFCA Board info hearing	1 day	Thu 3/20/08	Thu 3/20/08	948	SAFCA
950	SAFCA Board conceptual approval	1 day	Thu 4/17/08	Thu 4/17/08	949	SAFCA
951	Sac City Council Action	1 day	Tue 6/24/08	Tue 6/24/08		City of Sacramento
952	Sac County Agree to Collect	1 day	Tue 7/29/08	Tue 7/29/08		Sacramento County
953	Sutter County Agree to Collect	1 day	Tue 11/25/08	Tue 11/25/08		Sutter County
954	SAFCA Board implement fee	1 day	Thu 1/1/09	Thu 1/1/09		SAFCA



**SACRAMENTO AREA FLOOD CONTROL AGENCY
NATOMAS LEVEE IMPROVEMENT PROJECT**

MASTER SCHEDULE

Updated 10-23-08

ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names
955	2008 Funding	478 days	Thu 3/15/07	Mon 1/12/09		SAFCA
956	Complete second CCAD Bond Sale	154 days	Mon 3/31/08	Thu 10/30/08		SAFCA
957	Select Management Team	1 day	Tue 3/21/08	Tue 4/1/08		SAFCA
958	Circulate Initial Draft of Bond Resolution	5 days	Mon 3/31/08	Fri 4/4/08	957	SAFCA
959	Determine Issue Size and Structure	2 days	Mon 4/7/08	Tue 4/8/08	958	SAFCA
960	Circulate Initial Bond Sizing and Debt Service Schedule	1 day	Wed 4/9/08	Wed 4/9/08	959	SAFCA
961	SAFCA Board Information Item: Intent to issue bonds	1 day	Thu 4/17/08	Thu 4/17/08	960	SAFCA
962	Skeleton POS distributed by disclosure counsel	4 days	Thu 5/8/08	Tue 5/13/08	961	SAFCA
963	POS data submitted to disclosure counsel	9 days	Wed 5/14/08	Mon 5/26/08	962	SAFCA
964	Bond documents distributed	2 days	Tue 5/27/08	Wed 5/28/08	963	SAFCA
965	Skeleton rating agency presentation distributed	1 day	Thu 5/29/08	Thu 5/29/08	964	SAFCA
966	POS Draft distributed	44 days	Fri 5/30/08	Wed 7/30/08	965	SAFCA
967	Meeting to review documents & rating agency format	2 days	Thu 7/31/08	Fri 8/1/08	966	SAFCA
968	Second draft documents and rating presentation distributed	9 days	Mon 8/4/08	Thu 8/14/08	967	SAFCA
969	Conference call to finalize documents	1 day	Thu 8/14/08	Thu 8/14/08	968	SAFCA
970	Documents to Board rating agencies and insurers	1 day	Fri 8/15/08	Fri 8/15/08	969	SAFCA
971	Conference call to finalize rating presentation	1 day	Mon 8/18/08	Mon 8/18/08	970	SAFCA
972	Rating and insurer meetings	1 day	Tue 8/19/08	Tue 8/19/08	971	SAFCA
973	Receive ratings	1 day	Tue 8/19/08	Tue 8/19/08	972	SAFCA
974	Receive insurance bids	32 days	Wed 8/20/08	Thu 10/2/08	973	SAFCA
975	Board approval	1 day	Thu 8/21/08	Thu 8/21/08	974	SAFCA
976	Post POS	1 day	Fri 10/3/08	Fri 10/3/08	974	SAFCA
977	Pre price	8 days	Mon 10/6/08	Wed 10/15/08	976	SAFCA
978	Price	1 day	Thu 10/16/08	Thu 10/16/08	977	SAFCA
979	Post and Print OS	1 day	Fri 10/17/08	Fri 10/17/08	978	SAFCA
980	Pre close	1 day	Thu 10/16/08	Thu 10/16/08	979	SAFCA
981	Close	1 day	Thu 10/16/08	Thu 10/16/08	980	SAFCA
982	Set up Funded Accounts in Sac County	10 days	Fri 10/17/08	Thu 10/30/08	981	SAFCA
983	State Funding Agreement (NCC)	348 days	Thu 3/15/07	Mon 7/14/08		MBK,Downey Brand
984	Grant Application Process	121 days	Thu 3/15/07	Thu 8/30/07		SAFCA
985	SAFCA Prepares Grant Application	33 days	Thu 3/15/07	Mon 4/30/07		SAFCA
986	SAFCA Submits Grant Application to DWR	1 day	Tue 5/1/07	Tue 5/1/07	985	SAFCA
987	DWR Reviews Grant Application	86 days	Wed 5/2/07	Wed 8/29/07	986	DWR
988	DWR issues Preliminary Eligibility Notice	1 day	Thu 8/30/07	Thu 8/30/07	987	DWR
989	Executing a Contract with the State	207 days	Fri 8/31/07	Mon 6/16/08	988	
990	State and SAFCA Draft Contract	176 days	Fri 8/31/07	Fri 5/2/08	988	
991	SAFCA Prepares Contract Exhibits	49 days	Wed 2/27/08	Mon 5/5/08	988	
992	Risk Resolution Executed for Sutter County	22 days	Sat 1/5/08	Tue 2/5/08	1001,994	SAFCA
993	O&M Agreement RD 1000 with SAFCA	26 days	Wed 2/27/08	Wed 4/2/08		
994	Draft Agreement	16 days	Wed 2/27/08	Wed 3/19/08		SAFCA
995	RD 1000 Board Resolution to sign O&M Agreement with SAFCA	1 day	Thu 3/20/08	Thu 3/20/08		SAFCA
996	SAFCA Board Resolution to sign O&M Agreement	1 day	Thu 3/20/08	Thu 3/20/08	994	SAFCA
997	Finalize O&M Agreement	10 days	Thu 3/20/08	Wed 4/2/08	996	SAFCA
998	SAFCA Board Resolution authorizing Exec Dir to sign OMRR&R Agreement	1 day	Thu 3/20/08	Thu 3/20/08	997	SAFCA
999	SAFCA Board Resolution accepting State funds and authorizing Exec Dir to sign	1 day	Thu 3/20/08	Thu 3/20/08	998	SAFCA
1000	DWR Signs the Decision Document Awarding Funds	176 days	Fri 8/31/07	Fri 5/2/08	988	
1001	State Reviews Contract Exhibits & Sets Up Contract	17 days	Mon 5/5/08	Tue 5/27/08	1000	
1002	State Approves Contract Exhibits	1 day	Wed 5/28/08	Wed 5/28/08	1001	
1003	State Approval Process for Funding Agreement (DW)	2 days	Thu 5/29/08	Sun 6/1/08	1002	SAFCA
1004	SAFCA Executes Final Contract	0 days	Mon 6/2/08	Mon 6/2/08	1003	
1005	State Approval Process for Funding Agreement (DGS)	9 days	Tue 6/3/08	Sun 6/15/08	1004	DGS
1006	Execution of Contract with the State	1 day	Mon 6/16/08	Mon 6/16/08	1001,1002,1000,997,1005	DWR
1007	Disbursement of Funds	33 days	Thu 5/29/08	Mon 7/14/08		
1008	SAFCA Prepares Statement of Costs, for which SAFCA is entitled to Credit	5 days	Thu 5/29/08	Wed 6/4/08	1002	MBK
1009	SAFCA Prepares First Quarterly Work Plan, including Funding Request	5 days	Thu 5/29/08	Wed 6/4/08	1002	
1010	DWR Reviews Statement of Costs, for which SAFCA is entitled to Credit	17 days	Thu 6/5/08	Fri 6/27/08	1008	DWR
1011	DWR Reviews First Quarterly Work Plan, including Funding Request	17 days	Thu 6/5/08	Fri 6/27/08	1009	DWR
1012	SAFCA Updates First Quarterly Work Plan & Submits Invoice for payment	1 day	Mon 6/30/08	Mon 6/30/08	1011,1010	MBK
1013	DWR Approves 1st Quarterly Work Plan	1 day	Tue 7/1/08	Tue 7/1/08	1012	DWR
1014	Disbursement of Fund	9 days	Wed 7/2/08	Mon 7/14/08	998,1006,1012,1013	DWR
1015	Section 104	257 days	Fri 1/18/08	Mon 1/12/09		
1016	Reclamation Board approves Section 104 request	1 day	Fri 1/18/08	Fri 1/18/08		
1017	Reclamation Board issues Section 104 request to SPK	10 days	Mon 1/21/08	Fri 2/1/08	1016	
1018	SPK prepares 104 Request	225 days	Mon 2/4/08	Fri 12/12/08	1017	CORPS
1019	SPK submits Section 104 request to SPD / HQ	5 days	Mon 12/15/08	Fri 12/19/08	1018,159	CORPS
1020	SPD / HQ reviews Section 104 request	5 days	Mon 12/22/08	Fri 12/26/08	1019	CORPS
1021	SPD submits Section 104 concurrence letter to HQ	5 days	Mon 12/29/08	Fri 1/2/09	1020	CORPS
1022	HQ submits Section 104 concurrence letter to ASA(CW)	6 days	Mon 12/29/08	Mon 1/5/09	1020	CORPS
1023	ASA(CW) reviews & approves Section 104 request	5 days	Tue 1/6/09	Mon 1/12/09	1022	CORPS
1024	2009 Funding	166 days	Sat 11/1/08	Mon 6/22/09		SAFCA
1025	State Funding Agreement	108 days	Sat 11/1/08	Wed 4/1/09		
1026	Executing a Contract with the State	58 days	Thu 1/1/09	Mon 3/23/09		
1027	State and SAFCA Draft Contract	40 days	Thu 1/1/09	Wed 2/25/09		DWR
1028	SAFCA Prepares Contract Exhibits	30 days	Thu 1/1/09	Wed 2/11/09		SAFCA
1029	State Reviews Contract Exhibits	20 days	Thu 2/12/09	Wed 3/11/09	1028	DWR
1030	State Approves Contract Exhibits	1 day	Thu 3/12/09	Thu 3/12/09	1029	DWR
1031	O&M Agreement RD 1000 with SAFCA	57 days	Thu 1/1/09	Fri 3/20/09		
1032	Draft Agreement	16 days	Thu 1/1/09	Thu 1/22/09		DWR
1033	RD 1000 Board Resolution to sign O&M Agreement with SAFCA	1 day	Fri 1/23/09	Fri 1/23/09	1032	RD1000
1034	SAFCA Board Resolution to sign O&M Agreement	1 day	Thu 2/19/09	Thu 2/19/09	1032	SAFCA
1035	Finalize O&M Agreement	21 days	Fri 2/20/09	Fri 3/20/09	1034	SAFCA
1036	SAFCA Board Resolution accepting State funds and authorizing Exec Dir to sign	11 days	Thu 3/1/09	Thu 1/15/09		SAFCA
1037	DWR Signs the Decision Document Awarding Funds	5 days	Thu 3/1/09	Wed 1/7/09		DWR
1038	State Approval Process for Funding Agreement (DWR, DGS)	10 days	Thu 1/8/09	Wed 1/21/09	1037	DWR,DGS
1039	Execution of Contract with the State	1 day	Mon 3/23/09	Mon 3/23/09	1029,1030,1035,1037,1038	SAFCA
1040	Disbursement of Funds	108 days	Sat 11/1/08	Wed 4/1/09		
1041	Statement of Costs, for which SAFCA is entitled to Credit	2.5 days	Tue 3/24/09	Thu 3/26/09	1039	SAFCA,MBK
1042	First Quarterly Work Plan, including Funding Request	5 days	Tue 3/24/09	Mon 3/30/09	1039	MBK
1043	Risk Resolution Executed for Sutter County	5 days	Tue 3/24/09	Mon 3/30/09	1039	Sutter County
1044	DWR reviews 100% Engineering Plans and Specs	45 edays	Sat 11/1/08	Tue 12/16/08		DWR
1045	Section 104 Application filed with Corps	1 day	Tue 3/24/09	Tue 3/24/09	1039,1050	CVFPB
1046	SAFCA Board Resolution authorizing Exec Dir to sign OMRR&R Agreement	1 day	Mon 3/23/09	Mon 3/23/09	1035	SAFCA
1047	Disbursement of Fund	1 day	Wed 4/1/09	Wed 4/1/09	1042,1043,1044,1045,1046	DWR
1048	Section 104	108 days	Fri 1/16/09	Tue 6/16/09		
1049	CVFPB approves Section 104 request	1 day	Fri 1/16/09	Fri 1/16/09		CVFPB
1050	CVFPB issues Section 104 request to SPK	10 days	Mon 1/19/09	Fri 1/30/09	1049	CVFPB
1051	SPK prepares 104 Request	20 days	Mon 2/2/09	Fri 2/27/09	1050	CORPS
1052	SPK submits Section 104 request to SPD / HQ	5 days	Tue 4/14/09	Mon 4/20/09	1051,297	CORPS
1053	SPD / HQ reviews Section 104 request	10 days	Tue 4/21/09	Mon 5/4/09	1052	CORPS
1054	SPD submits Section 104 concurrence letter to HQ	5 days	Tue 5/5/09	Mon 5/11/09	1053	CORPS
1055	HQ submits Section 104 concurrence letter to ASA(CW)	5 days	Mon 6/8/09	Fri 6/12/09	1053,298	CORPS
1056	ASA(CW) reviews & approves Section 104 request	2 days	Mon 6/15/09	Tue 6/16/09	1055	CORPS
1057	Corps Fed. Credit Agr. for Previously Authorized Work (WRDA sect 2003) acceptable to Corps	78 days	Thu 3/5/09	Mon 6/22/09		
1058	SAFCA prepare draft Agreement, vet with Corps, DWR, CVFPB patterned after Sect 215	1 day	Thu 3/5/09	Thu 3/5/09		SAFCA
1059	Corps District Review	14 days	Fri 3/6/09	Wed 3/25/09	1058	CORPS
1060	DWR Contract Review	20 days	Thu 3/26/09	Wed 4/22/09	1059	DWR



**SACRAMENTO AREA FLOOD CONTROL AGENCY
NATOMAS LEVEE IMPROVEMENT PROJECT**

MASTER SCHEDULE
Updated 10-23-08

ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1061	DGS Contract Review	20 days	Thu 4/23/09	Wed 5/20/09	1060	DGS
1062	SAFCA Board Conceptual Approval of Agreement	1 day	Thu 5/21/09	Thu 5/21/09	1061	SAFCA
1063	CVFPB Approval of Agreement with Corps	1 day	Fri 5/22/09	Fri 5/22/09	1062	CVFPB
1064	Corps Approval of Agreement Completed	21 days	Mon 5/25/09	Mon 6/22/09	1063	CORPS
1065	2010 Funding	427 days	Thu 1/1/09	Fri 8/20/10		SAFCA
1066	Complete third CCAD Bond Sale	80 days	Mon 5/3/10	Fri 8/20/10		SAFCA
1067	Select Management Team	1 day	Mon 5/3/10	Mon 5/3/10		SAFCA
1068	Circulate Initial Draft of Bond Resolution	5 days	Tue 5/4/10	Mon 5/10/10	1067	SAFCA
1069	Determine Issue Size and Structure	2 days	Tue 5/11/10	Wed 5/12/10	1068	SAFCA
1070	Circulate Initial Bond Sizing and Debt Service Schedule	1 day	Thu 5/13/10	Thu 5/13/10	1069	SAFCA
1071	SAFCA Board Information Item: Intent to issue bonds	1 day	Fri 5/14/10	Fri 5/14/10	1070	SAFCA
1072	Skeleton POS distributed by disclosure counsel	4 days	Mon 5/17/10	Thu 5/20/10	1071	SAFCA
1073	POS data submitted to disclosure counsel	6 days	Fri 5/21/10	Fri 5/28/10	1072	SAFCA
1074	Bond documents distributed	2 days	Mon 5/31/10	Tue 6/1/10	1073	SAFCA
1075	Skeleton rating agency presentation distributed	1 day	Wed 6/2/10	Wed 6/2/10	1074	SAFCA
1076	POS distributed	2 days	Thu 6/3/10	Fri 6/4/10	1075	SAFCA
1077	Meeting to review documents & rating agency format	4 days	Mon 6/7/10	Thu 6/10/10	1076	SAFCA
1078	Second draft documents and rating presentation distributed	6 days	Fri 6/11/10	Fri 6/18/10	1077	SAFCA
1079	Conference call to finalize documents	5 days	Mon 6/21/10	Fri 6/25/10	1078	SAFCA
1080	Documents to Board rating agencies and insurers	4 days	Mon 6/28/10	Thu 7/1/10	1079	SAFCA
1081	Conference call to finalize rating presentation	2 days	Fri 7/2/10	Mon 7/5/10	1080	SAFCA
1082	Rating and insurer meetings	2 days	Tue 7/6/10	Wed 7/7/10	1081	SAFCA
1083	Receive ratings	5 days	Thu 7/8/10	Wed 7/14/10	1082	SAFCA
1084	Receive insurance bids	1 day	Thu 7/15/10	Thu 7/15/10	1083	SAFCA
1085	Board approval	1 day	Fri 7/16/10	Fri 7/16/10	1084	SAFCA
1086	Post POS	1 day	Mon 7/19/10	Mon 7/19/10	1085	SAFCA
1087	Pre price	3 days	Tue 7/20/10	Thu 7/22/10	1086	SAFCA
1088	Price	1 day	Fri 7/23/10	Fri 7/23/10	1087	SAFCA
1089	Post and Print OS	2 days	Mon 7/26/10	Tue 7/27/10	1088	SAFCA
1090	Pre close	7 days	Wed 7/28/10	Thu 8/5/10	1089	SAFCA
1091	Close	1 day	Fri 8/6/10	Fri 8/6/10	1090	SAFCA
1092	Set up Funded Accounts in Sac County	10 days	Mon 8/9/10	Fri 8/20/10	1091	SAFCA
1093	State Funding Agreement	58 days	Fri 1/1/10	Tue 3/23/10		MBK,Downey Brand
1094	Executing a Contract with the State	52 days	Fri 1/1/10	Mon 3/15/10		
1095	State and SAFCA Draft Contract	40 days	Fri 1/1/10	Thu 2/25/10		
1096	SAFCA Prepares Contract Exhibits	30 days	Fri 1/1/10	Thu 2/11/10		
1097	State Reviews Contract Exhibits	20 days	Fri 2/12/10	Thu 3/11/10	1096	
1098	State Approves Contract Exhibits	1 day	Fri 3/12/10	Fri 3/12/10	1097	
1099	O&M Agreement RD 1000 with SAFCA	38 days	Fri 1/1/10	Tue 2/23/10		
1100	Draft Agreement	16 days	Fri 1/1/10	Fri 1/22/10		SAFCA
1101	RD 1000 Board Resolution to sign O&M Agreement with SAFCA	1 day	Mon 1/25/10	Mon 1/25/10	1100	SAFCA
1102	SAFCA Board Resolution to sign O&M Agreement	1 day	Mon 1/25/10	Mon 1/25/10	1100	SAFCA
1103	Finalize O&M Agreement	21 days	Tue 1/26/10	Tue 2/23/10	1102	SAFCA
1104	SAFCA Board Resolution accepting State funds and authorizing Exec Dir to sign	15 days	Fri 1/15/10	Thu 1/21/10		SAFCA
1105	DWR Signs the Decision Document Awarding Funds	5 days	Fri 1/15/10	Thu 1/7/10		
1106	State Approval Process for Funding Agreement (DWR, DGS)	10 days	Fri 1/8/10	Thu 1/21/10	1105	SAFCA
1107	Execution of Contract with the State	1 day	Mon 3/15/10	Mon 3/15/10	1097,1098,1103,1105,1106	
1108	Disbursement of Funds	58 days	Fri 1/1/10	Tue 3/23/10		
1109	Statement of Costs, for which SAFCA is entitled to Credit	5 days	Tue 3/16/10	Mon 3/22/10	1107	SAFCA
1110	First Quarterly Work Plan, including Funding Request	5 days	Tue 3/16/10	Mon 3/22/10	1107	
1111	Risk Resolution Executed for Sutter County	5 days	Tue 3/16/10	Mon 3/22/10	1107	SAFCA
1112	DWR reviews 100% Engineering Plans and Specs	45 edays	Fri 1/15/10	Mon 2/15/10		SAFCA
1113	Section 104 Application filed with Corps	1 day	Tue 3/16/10	Tue 3/16/10	1107,1118	SAFCA
1114	SAFCA Board Resolution authorizing Exec Dir to sign OMRR&R Agreement	1 day	Thu 3/18/10	Thu 3/18/10	1103	SAFCA
1115	Disbursement of Fund	1 day	Tue 3/23/10	Tue 3/23/10	1110,1111,1112,1113,1114	SAFCA
1116	Section 104	263 days	Thu 1/1/09	Mon 1/4/10		CVFPB
1117	CVFPB approves Section 104 request	1 day	Thu 1/1/09	Thu 1/1/09		CVFPB
1118	CVFPB issues Section 104 request to SPK	10 days	Fri 1/2/09	Thu 1/15/09	1117	CVFPB
1119	SPK prepares 104 Request	40 days	Fri 1/16/09	Thu 3/12/09	1118	CORPS
1120	SPK submits Section 104 request to SPD / HQ	5 days	Wed 10/28/09	Wed 11/4/09	1119,388	CORPS
1121	SPD / HQ reviews Section 104 request	17 days	Wed 11/4/09	Fri 11/27/09	1120	CORPS
1122	SPD submits Section 104 concurrence letter to HQ	5 days	Fri 11/27/09	Fri 12/4/09	1121	CORPS
1123	HQ submits Section 104 concurrence letter to ASA(CW)	6 days	Mon 12/21/09	Mon 12/28/09	1121,389	CORPS
1124	ASA(CW) reviews & approves Section 104 request	5 days	Tue 12/29/09	Mon 1/4/10	1123	CORPS
1125	Corps Fed. Credit Agr. for Previously Authorized Work (WRDA sect 2003) acceptable to Corps	78 days	Thu 3/5/09	Mon 6/22/09		
1126	SAFCA prepare draft Agreement, vet with Corps, DWR, CVFPB patterned after Sect 215	1 day	Thu 3/5/09	Thu 3/5/09		SAFCA
1127	Corps District Review	14 days	Fri 3/6/09	Wed 3/25/09	1126	CORPS
1128	DWR Contract Review	20 days	Thu 3/26/09	Wed 4/22/09	1127	DWR
1129	DGS Contract Review	20 days	Thu 4/23/09	Wed 5/20/09	1128	DGS
1130	SAFCA Board Conceptual Approval of Agreement	1 day	Thu 5/21/09	Thu 5/21/09	1129	SAFCA
1131	CVFPB Approval of Agreement with Corps	1 day	Fri 5/22/09	Fri 5/22/09	1130	CVFPB
1132	Corps Approval of Agreement Completed	21 days	Mon 5/25/09	Mon 6/22/09	1131	CORPS
1133	Design	1390 days	Sun 1/1/06	Fri 4/29/11		
1134	Board of Senior Consultants Design Review Process	639 days	Tue 3/4/08	Fri 8/13/10		BOSC
1135	Staff select Senior Consultant Board Members and Design Process	1 day	Tue 3/4/08	Tue 3/4/08		SAFCA
1136	SAFCA Board Authorize Senior Consultants Contracts	1 day	Wed 3/5/08	Wed 3/5/08	1135	SAFCA
1137	Convene Board (March 4, 2008)	0 days	Tue 3/4/08	Tue 3/4/08	1136	SAFCA
1138	Review Design: Framework, Assumptions, Designs	1 day	Wed 3/5/08	Wed 3/5/08	1137	SAFCA
1139	Complete Review for 2008 Construction	1 day	Thu 3/6/08	Thu 3/6/08	1138	SAFCA
1140	BOSC Meeting	2 days	Tue 7/15/08	Wed 7/16/08		BOSC
1141	BOSC Meeting	2 days	Tue 9/16/08	Wed 9/17/08		BOSC
1142	BOSC Meeting	2 days	Tue 12/2/08	Wed 12/3/08		BOSC
1143	Complete Review of 2009 Alternatives Analysis	1 day	Wed 4/1/09	Wed 4/1/09	1211,1279,1450,1532	BOSC
1144	Complete Review for 2009 Construction	1 day	Thu 7/2/09	Thu 7/2/09	1226,1300,1465,1555	BOSC
1145	Complete Review of 2010 Alternatives Analysis	1 day	Wed 4/22/09	Wed 4/22/09	2042,2200	BOSC
1146	Complete Review for 2010 Construction	1 day	Fri 8/13/10	Fri 8/13/10	2062,2223,1975	BOSC
1147	Hydrology and Hydraulics	241 days	Mon 12/3/07	Mon 11/3/08		MBK
1148	Updated hydrology and centering from USACE	1 day	Mon 12/3/07	Mon 12/3/07		MBK
1149	MBK update model	1 day	Tue 12/4/07	Tue 12/4/07	1148	MBK
1150	MBK Modeling	1 day	Wed 12/5/07	Wed 12/5/07	1149	MBK
1151	Draft report	103 days	Mon 12/10/07	Wed 4/30/08	1150	MBK
1152	SAFCA Team Review	10 days	Thu 5/1/08	Wed 5/14/08	1151	MBK
1153	Revise Report	23 days	Thu 5/15/08	Mon 6/16/08	1152	MBK
1154	Agency Team Review	44 days	Tue 6/17/08	Fri 8/15/08	1153	
1155	Finalize Report	56 days	Mon 8/18/08	Mon 11/3/08	1154	MBK
1156	Encroachment Identification and Remediation, Natomas Levee Perimeter	228 days	Tue 1/1/08	Thu 11/13/08		Mead & Hunt
1157	Conduct Detailed Field Inventory of all Encroachments	130 days	Tue 1/1/08	Mon 6/30/08		Mead & Hunt
1158	Research CVFPB Files for Encroachment Permit Data	67 days	Tue 7/1/08	Wed 10/1/08	1157	Mead & Hunt
1159	Coordinate with RD 1000, City of Sac, County of Sac, County of Sutter	10 days	Thu 10/2/08	Wed 10/15/08	1158	Mead & Hunt
1160	Coordinate with FEMA and CVFPB regarding requirements	5 days	Thu 10/16/08	Wed 10/22/08	1159	Mead & Hunt
1161	Design Encroachment Removal Project	15 days	Thu 10/23/08	Wed 11/12/08	1160	Mead & Hunt
1162	Integrate as part of Levee Improvements or Separate Contracts	1 day	Thu 11/13/08	Thu 11/13/08	1161	Mead & Hunt
1163	Design of Phase I Improvements	63 days	Tue 3/11/08	Thu 6/5/08		Wood Rodgers
1164	Natomas Cross Canal Phase 1B	63 days	Tue 3/11/08	Thu 6/5/08		Wood Rodgers
1165	Levee Improvement Design	38 days	Tue 3/11/08	Thu 5/1/08		Wood Rodgers
1166	PLANS, SPECIFICATIONS AND ESTIMATES	38 days	Tue 3/11/08	Thu 5/1/08		Wood Rodgers



**SACRAMENTO AREA FLOOD CONTROL AGENCY
NATOMAS LEVEE IMPROVEMENT PROJECT**

MASTER SCHEDULE
Updated 10-23-08

ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1167	Final PS&E	38 days	Tue 3/11/08	Thu 5/1/08		Wood Rodgers
1168	Design Engineering and Drawings	21 days	Tue 3/11/08	Tue 4/8/08		Wood Rodgers
1169	Cost Estimate	21 days	Tue 3/11/08	Tue 4/8/08	1168FF	Wood Rodgers
1170	Complete Specifications (TOC)	21 days	Tue 3/11/08	Tue 4/8/08	1168FF	Wood Rodgers
1171	Quality Control Internal Review	6 days	Tue 4/1/08	Tue 4/8/08	1170	Wood Rodgers
1172	SAFCA and Team Review	6 days	Tue 4/8/08	Tue 4/15/08	1171	Wood Rodgers
1173	Revisions and Back check	6 days	Wed 4/16/08	Wed 4/23/08	1172	Wood Rodgers
1174	Submit Final PS&E	6 days	Thu 4/24/08	Thu 5/1/08	1173	Wood Rodgers
1175	BID OF LEVEE ELEMENTS	24 days	Mon 5/5/08	Thu 6/5/08		SAFCA
1176	Advertise Period	23 days	Mon 5/5/08	Wed 6/4/08	1174FS+1 day	SAFCA
1177	Pre-Bid Meeting	1 day	Wed 5/14/08	Wed 5/14/08	1176SS+7 days	SAFCA
1178	Bid Opening	1 day	Thu 6/5/08	Thu 6/5/08	1176	SAFCA
1179	Design of Phase II Improvements	839 days	Sun 1/1/06	Thu 3/19/09		
1180	Natomas Cross Canal Phase 2	829 days	Wed 1/4/06	Mon 3/9/09		Wood Rodgers
1181	Survey	480 days	Mon 5/1/06	Sat 3/1/08		Psomas
1182	Field Survey	90 days	Mon 5/1/06	Fri 9/1/06		Psomas
1183	Aerial Photography and Surveys	90 days	Mon 5/1/06	Fri 9/1/06		Psomas
1184	Topographic Mapping	90 days	Mon 5/1/06	Fri 9/1/06	1182SS,1183SS	Psomas
1185	Boundary Survey	40 days	Sat 9/2/06	Fri 10/27/06		Psomas
1186	Finalize Levee Survey	0 days	Fri 10/27/06	Fri 10/27/06	1184,1185	Psomas
1187	Review Right of Way Take Lines	5 days	Tue 1/15/08	Mon 1/21/08		Psomas
1188	Right of Way Strip Plats	29 days	Tue 1/22/08	Sat 3/1/08	1187	Psomas
1189	Plats and Legal Desc	0 days	Sat 3/1/08	Sat 3/1/08	1186,1188	Psomas
1190	Geotechnical	739 days	Wed 1/4/06	Mon 11/3/08		Kleinfelder
1191	Preliminary Borings and Lab Testing	585 days	Wed 1/4/06	Tue 4/1/08		Kleinfelder
1192	Problem Identification Report	53 days	Wed 1/4/06	Fri 3/17/06	1191SS	Kleinfelder
1193	Geotechnical Alternatives Analysis	117 days	Mon 3/20/06	Tue 8/29/06	1192	Kleinfelder
1194	Design Borings and Lab Testing	186 days	Fri 2/15/08	Fri 10/31/08		Kleinfelder
1195	Draft Geotechnical Data Report	103 days	Wed 4/2/08	Fri 8/22/08	1191	Kleinfelder
1196	Supplemental Borings and Lab Testing	35 days	Mon 9/15/08	Fri 10/31/08		Kleinfelder
1197	Draft Geotechnical Basis of Design Report	16 days	Mon 9/1/08	Mon 9/22/08		Kleinfelder
1198	Team Review	5 days	Tue 9/23/08	Mon 9/29/08	1197	Kleinfelder
1199	DWR & Corps Review	10 days	Tue 9/23/08	Mon 10/6/08	1197	Kleinfelder
1200	Final Geotechnical Basis of Design Report	20 days	Tue 10/7/08	Mon 11/3/08	1198,1199	Kleinfelder
1201	Levee Improvement Design	398 days	Wed 8/1/07	Fri 2/6/09		Wood Rodgers
1202	PRE-DESIGN	334 days	Wed 8/1/07	Mon 11/10/08		Wood Rodgers
1203	Alternatives Analysis	262 days	Wed 8/1/07	Thu 7/31/08		Wood Rodgers
1204	Prepare Draft Alternatives Analysis	44 days	Wed 8/1/07	Mon 10/1/07	1192	Wood Rodgers
1205	SAFCA and Team Review	5 days	Tue 10/2/07	Mon 10/8/07	1204	Wood Rodgers
1206	Revisions and Back check	12 days	Tue 4/1/08	Wed 4/16/08	1205	Wood Rodgers
1207	USACE & DWR Review	15 days	Thu 4/17/08	Wed 5/7/08	1206	Wood Rodgers
1208	Check Point Meeting- Selection of Preferred Alternatives	1 day	Thu 5/8/08	Thu 5/8/08	1207	Wood Rodgers
1209	Project Description, Footprint and Quantities for EIR/EIS	1 day	Tue 10/2/07	Tue 10/2/07	1204	Wood Rodgers
1210	Revise Alternatives Analysis	10 days	Fri 5/9/08	Thu 5/22/08	1208	Wood Rodgers
1211	SAFCA and Agency Review	50 days	Fri 5/23/08	Thu 7/31/08	1209,1210	Wood Rodgers
1212	Basis of Design	290 days	Tue 10/2/07	Mon 11/10/08		Wood Rodgers
1213	Draft Basis of Design Report	18 days	Tue 10/2/07	Thu 10/25/07	1204	Wood Rodgers
1214	Quality Control Internal Reviews	5 days	Fri 10/26/07	Thu 11/1/07	1213	Wood Rodgers
1215	SAFCA and Team Review	21 days	Fri 11/2/07	Fri 11/30/07	1214	SAFCA
1216	Revisions and Back check	5 days	Mon 12/3/07	Fri 12/7/07	1215	Wood Rodgers
1217	USACE & DWR Review	22 days	Mon 12/10/07	Tue 1/8/08	1216	DWR,CORPS
1218	Check Point Meeting	0 days	Tue 1/8/08	Tue 1/8/08	1217	Wood Rodgers
1219	Finalize Basis of Design Report	97 days	Tue 4/8/08	Mon 11/10/08	1218,1155FF+5 days	Wood Rodgers
1220	PLANS, SPECIFICATIONS AND ESTIMATES	398 days	Wed 8/1/07	Fri 2/6/09		Wood Rodgers
1221	60 Percent PS&E	110 days	Wed 8/1/07	Tue 1/1/08		Wood Rodgers
1222	Design Engineering and Drawings	67 days	Wed 8/1/07	Thu 11/1/07	1208SS	Wood Rodgers
1223	Cost Estimate	67 days	Wed 8/1/07	Thu 11/1/07		Wood Rodgers
1224	Technical Specifications (TOC)	67 days	Wed 8/1/07	Thu 11/1/07	1222FF	Wood Rodgers
1225	Quality Control Internal Review	9 days	Mon 10/22/07	Thu 11/1/07	1224	Wood Rodgers
1226	SAFCA and Team Review	11 days	Thu 11/1/07	Thu 11/15/07	1225	SAFCA
1227	Revisions and Back check	12 days	Thu 11/15/07	Fri 11/30/07	1226	Wood Rodgers
1228	USACE & DWR Review	22 days	Sat 12/1/07	Tue 1/1/08	1227	DWR,CORPS
1229	90 Percent PS&E	179 days	Wed 1/2/08	Mon 9/8/08		Wood Rodgers
1230	Design Engineering and Drawings	53 days	Wed 1/2/08	Fri 3/14/08	1228	Wood Rodgers
1231	Cost Estimate	53 days	Wed 1/2/08	Fri 3/14/08	1228	Wood Rodgers
1232	Complete Specifications (TOC)	53 days	Wed 1/2/08	Fri 3/14/08	1230FF	Wood Rodgers
1233	Quality Control Internal Review	52 days	Mon 3/17/08	Fri 7/11/08	1232	Wood Rodgers
1234	SAFCA, Team Review, USACE & DWR Review	41 days	Mon 7/14/08	Mon 9/8/08	1233	SAFCA
1235	Final PS&E	109 days	Tue 9/9/08	Fri 2/6/09		Wood Rodgers
1236	Design Engineering and Drawings	48 days	Tue 9/9/08	Thu 11/13/08	1234	Wood Rodgers
1237	Cost Estimate	48 days	Tue 9/9/08	Thu 11/13/08	1234	Wood Rodgers
1238	Complete Specifications (TOC)	20 days	Fri 10/17/08	Thu 11/13/08	1236FF	Wood Rodgers
1239	Quality Control Internal Review	20 days	Fri 11/14/08	Thu 12/11/08	1238	Wood Rodgers
1240	SAFCA and Team Review	20 days	Fri 12/12/08	Thu 1/8/09	1239	SAFCA
1241	Revisions and Back check	20 days	Fri 1/9/09	Thu 2/5/09	1240	Wood Rodgers
1242	Submit Final P&S&E	1 day	Fri 2/6/09	Fri 2/6/09	1241	Wood Rodgers
1243	BID OF LEVEE ELEMENTS	21 days	Mon 2/9/09	Mon 3/9/09		SAFCA
1244	Advertise Period	20 days	Mon 2/9/09	Fri 3/6/09	1242.63	SAFCA
1245	Pre-Bid Meeting	1 day	Mon 2/16/09	Mon 2/16/09	1244SS+5 days	SAFCA
1246	Bid Opening	1 day	Mon 3/9/09	Mon 3/9/09	1244	SAFCA
1247	Sac R East Levee - Phase 2 (Reaches 1-4B)	839 days	Sun 1/1/06	Thu 3/19/09		HDR
1248	Survey	533 days	Mon 5/1/06	Wed 5/14/08		Psomas
1249	Field Survey	20 days	Mon 5/1/06	Fri 5/26/06		Psomas
1250	Aerial Photography and Surveys	25 days	Mon 5/1/06	Fri 6/2/06		Psomas
1251	Topographic Mapping	111 days	Mon 5/1/06	Mon 10/2/06	1249SS,1250SS	Psomas
1252	Boundary Survey	199 days	Mon 5/1/06	Thu 2/1/07		Psomas
1253	Finalize Levee Survey	10 days	Fri 2/2/07	Thu 2/15/07	1251,1252	Psomas
1254	Review Right of Way Take Lines	5 days	Mon 4/28/08	Fri 5/2/08	1276	Psomas
1255	Right of Way Strip Plats	64 days	Fri 2/15/08	Wed 5/14/08	1276	Psomas
1256	Plats and Legal Desc	13 days	Fri 1/19/07	Tue 2/6/07	1253,1255	Psomas
1257	Geotechnical	760 days	Sun 1/1/06	Fri 11/28/08		Kleinfelder
1258	Preliminary Borings and Lab Testing	587 days	Sun 1/1/06	Tue 4/1/08		Kleinfelder
1259	Design Borings and Lab Testing	0 days	Mon 6/18/07	Mon 6/18/07	1262	Kleinfelder
1260	Problem Identification Report	23 days	Sun 1/1/06	Wed 2/1/06	1258SS	Kleinfelder
1261	Geotechnical Design Recommendations Report	141 days	Fri 5/16/08	Fri 11/28/08		
1262	Draft Geotechnical Alternatives Analysis Report	97 days	Fri 5/16/08	Mon 9/29/08		Kleinfelder
1263	SAFCA, Team and Agency Review	10 days	Tue 9/30/08	Mon 10/13/08	1262	Kleinfelder
1264	Final Geotechnical Alternatives Analysis Report	34 days	Tue 10/14/08	Fri 11/28/08	1263	Kleinfelder
1265	Draft Geotechnical Basis of Design Report	24 days	Tue 9/30/08	Fri 10/31/08	1262	Kleinfelder
1266	Final Geotechnical Basis of Design Report	24 days	Tue 9/30/08	Fri 10/31/08	1262	Kleinfelder
1267	Geotechnical Data Report	24 days	Tue 9/30/08	Fri 10/31/08	1262	Kleinfelder
1268	Borrow Basis of Design	24 days	Tue 9/30/08	Fri 10/31/08	1262	Kleinfelder
1269	Levee Improvement Design	427 days	Wed 8/1/07	Thu 3/19/09		HDR
1270	PRE-DESIGN	360 days	Wed 8/1/07	Tue 12/16/08		HDR
1271	Alternatives Analysis	359 days	Wed 8/1/07	Mon 12/15/08		HDR
1272	Prepare Draft Alternatives Analysis	30 days	Wed 8/1/07	Tue 9/11/07	1262	HDR



**SACRAMENTO AREA FLOOD CONTROL AGENCY
NATOMAS LEVEE IMPROVEMENT PROJECT**

MASTER SCHEDULE
Updated 10-23-08

ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1273	Quality Control Internal Reviews	5 days	Wed 9/12/07	Tue 9/18/07	1272	HDR
1274	SAFCA, Team, USACE & DWR Review	10 days	Wed 9/12/07	Tue 9/25/07	1273	HDR
1275	Check Point Meeting- Selection of Preferred Alternatives	1 day	Wed 9/26/07	Wed 9/26/07	1274	HDR
1276	Project Description, Footprint and Quantities for EIR/EIS	1 day	Thu 9/20/07	Thu 9/20/07	1275	HDR
1277	Draft Alternatives Analysis Report	18 days	Tue 9/30/08	Thu 10/23/08	1262	HDR
1278	Quality Control/Internal Reviews	10 days	Fri 10/24/08	Thu 11/6/08	1277	HDR
1279	SAFCA, Team and Agency Review	5 days	Fri 11/7/08	Thu 11/13/08	1278	SAFCA,DWR,CORPS
1280	Check Point Meeting-Selection of Preferred Alternative	1 day	Fri 11/14/08	Fri 11/14/08	1279	HDR
1281	Final Alternative Analysis	22 days	Fri 11/14/08	Mon 12/15/08	1279	
1282	Basis of Design	306 days	Tue 10/16/07	Tue 12/16/08		HDR
1283	Draft Basis of Design Report	122 days	Tue 10/16/07	Wed 4/2/08	1275	HDR
1284	Quality Control Internal Reviews	5 days	Thu 4/3/08	Wed 4/9/08	1283	HDR
1285	Revise Draft Basis of Design Report	16 days	Fri 10/17/08	Fri 11/7/08	s,1265FF,1266FF,1267FF	HDR
1286	Quality Control Internal Reviews	5 days	Mon 11/10/08	Fri 11/14/08	1285	HDR
1287	SAFCA, Team & Agency Review	5 days	Mon 11/17/08	Fri 11/21/08	1286	SAFCA,DWR,CORPS
1288	Finalize Basis of Design Report	17 days	Mon 11/24/08	Tue 12/16/08	1287	HDR[88%]
1289	PLANS, SPECIFICATIONS AND ESTIMATES	401 days	Tue 8/21/07	Tue 3/3/09		HDR
1290	30 Percent PS&E	98 days	Tue 8/21/07	Thu 1/3/08		HDR
1291	Design Engineering and Drawings	50 days	Tue 8/21/07	Tue 11/20/07	1280SS	HDR
1292	Cost Estimate	6 days	Wed 11/21/07	Wed 11/28/07	1291	HDR
1293	Quality Control Internal Review	10 days	Wed 11/21/07	Tue 12/4/07	1291	HDR
1294	SAFCA, Team, USACE & DWR Review	28 days	Tue 11/13/07	Thu 12/20/07	1293	SAFCA,DWR,CORPS
1295	Opinion of Probably Construction Costs	10 days	Fri 12/21/07	Thu 1/3/08	1294	
1296	60 Percent PS&E	83 days	Thu 10/18/07	Mon 2/11/08		HDR
1297	Design Engineering and Drawings	60 days	Thu 10/18/07	Wed 1/9/08	1295	HDR
1298	Technical Specifications (TOC)	30 days	Thu 11/29/07	Wed 1/9/08	1297FF	HDR
1299	Quality Control Internal Review	10 days	Thu 1/10/08	Wed 1/23/08	1298	HDR
1300	SAFCA, Team, USACE & DWR Review	13 days	Thu 1/24/08	Mon 2/11/08	1299	SAFCA,DWR,CORPS
1301	Opinion of Probable Cost	10 days	Fri 12/21/07	Thu 1/3/08	1294	HDR
1302	90 Percent PS&E	74 days	Mon 9/29/08	Thu 1/8/09		HDR
1303	Design Engineering and Drawings	25 days	Mon 9/29/08	Fri 10/31/08	1262FS-1 day	HDR
1304	Specifications and Bid Documents	25 days	Mon 9/29/08	Fri 10/31/08	1303SS	HDR
1305	Quality Control Internal Review	10 days	Mon 11/3/08	Fri 11/14/08	1303	HDR
1306	SAFCA, Team, USACE & DWR Review	8 days	Mon 11/17/08	Wed 11/26/08	1305	SAFCA,DWR,CORPS
1307	Opinion of Probable Construction Cost	39 days	Mon 11/17/08	Thu 1/8/09		HDR
1308	Prepare RS Means OPCC	17 days	Mon 11/17/08	Tue 12/9/08	1305	HDR
1309	Quality Control Internal Reviews	8 days	Wed 12/10/08	Fri 12/19/08	1308	HDR
1310	SAFCA and Team Review	14 days	Mon 12/22/08	Thu 1/8/09	1309	HDR
1311	100 Percent PS&E	41 days	Thu 11/27/08	Thu 1/22/09		HDR
1312	Plan Revision	25 days	Thu 11/27/08	Wed 12/31/08	1306	HDR
1313	Specifications and Bid Document Revisions	25 days	Thu 11/27/08	Wed 12/31/08	1312SS	HDR
1314	Quality Control Internal Review	11 days	Thu 1/1/09	Thu 1/15/09	1313	HDR
1315	SAFCA, Team, USACE & DWR Review	5 days	Fri 1/16/09	Thu 1/22/09	1314	SAFCA,DWR,CORPS
1316	Submit Final P&S&E	5 days	Fri 1/23/09	Thu 1/29/09	1315	HDR
1317	Final OPCC	23 days	Fri 1/30/09	Tue 3/3/09		HDR
1318	Update OPCC	13 days	Fri 1/30/09	Tue 2/17/09	1316	HDR
1319	Quality Control Internal Reviews	5 days	Wed 2/18/09	Tue 2/24/09	1318	HDR
1320	SAFCA and Team Review	5 days	Wed 2/25/09	Tue 3/3/09	1319	HDR
1321	ENCROACHMENT COORDINATION	162 days	Tue 8/21/07	Wed 4/2/08		
1322	Conflict Identification (Letter A and B)	2.25 mons	Tue 8/21/07	Mon 10/22/07		HDR
1323	Utility Relocation Coordination	5.85 mons	Tue 10/23/07	Wed 4/2/08	1322	HDR
1324	BID OF LEVEE ELEMENTS	35 days	Fri 1/30/09	Thu 3/19/09		SAFCA
1325	Advertise Period	22 days	Fri 1/30/09	Mon 3/2/09	1316,63	SAFCA
1326	Pre-Bid Meeting	1 day	Fri 2/6/09	Fri 2/6/09	1325SS+5 days	SAFCA
1327	Bid Opening	1 day	Tue 3/3/09	Tue 3/3/09	1325	SAFCA
1328	SAFCA Evaluation	12 days	Wed 3/4/09	Thu 3/19/09	1327	
1329	PG&E Utility Pole Relocation Plan	200 days	Fri 5/30/08	Thu 3/5/09		HDR
1330	Develop Basis of Design and Constraints Technical Memorandum	46 days	Fri 5/30/08	Fri 8/1/08		HDR
1331	Check Point Meeting to Discuss Technical Memorandum	1 day	Mon 8/4/08	Mon 8/4/08	1330	HDR
1332	Meeting to Discuss Plan Preparation	1 day	Thu 8/7/08	Thu 8/7/08	1331FS+2 days	HDR
1333	30 Percent Plans and Cost Estimate	1 day	Fri 8/8/08	Fri 8/8/08	1332	HDR
1334	Quality Control Internal Review/Plan Revisions	1 day	Fri 8/22/08	Fri 8/22/08	1333	HDR
1335	Submit Plans to PG&E	1 day	Wed 8/27/08	Wed 8/27/08	1334	HDR
1336	Complete Relocation of Utilities	1 day	Thu 3/5/09	Thu 3/5/09	1335SS+136 days	PG&E
1337	SMUD Utility Pole Relocation Plan (4B only)	117 days	Mon 9/22/08	Tue 3/3/09		
1338	30 Percent Plans and Cost Estimate	25 days	Mon 9/22/08	Fri 10/24/08		HDR
1339	Quality Control Internal Review/Plan Revisions	5 days	Mon 10/27/08	Fri 10/31/08	1338	HDR
1340	Submit Plans to PG&E	1 day	Mon 11/3/08	Mon 11/3/08	1339	HDR
1341	Complete Relocation of Utilities	1 day	Tue 3/3/09	Tue 3/3/09	1340SS+86 days	HDR
1342	Elkhorn Irrigation Canal and GGS/Drainage Canal - Phase 2 (Sac R East Reaches 4B to 6A) & Private Irrigation Relocation	360 days	Wed 7/18/07	Tue 12/2/08		Mead & Hunt
1343	Survey	331 days	Wed 7/18/07	Wed 10/22/08		Psomas
1344	Field Survey	40 days	Wed 7/18/07	Tue 9/11/07		Psomas
1345	Aerial Photography and Surveys	40 days	Wed 7/18/07	Tue 9/11/07	1344SS	Psomas
1346	Topographic Mapping	40 days	Wed 7/18/07	Tue 9/11/07	1344SS	Psomas
1347	Boundary Survey	40 days	Wed 7/18/07	Tue 9/11/07	1346	Psomas
1348	Finalize Survey	0 days	Fri 2/15/08	Fri 2/15/08	1347	Psomas
1349	Review Right of Way Take Lines	160 days	Thu 12/20/07	Wed 7/30/08	1360	Psomas
1350	Right of Way Strip Plats	104 days	Tue 5/20/08	Fri 10/10/08	1349	Psomas
1351	Plats and Legal Desc	8 days	Mon 10/13/08	Wed 10/22/08	1348,1350	Psomas
1352	Geotechnical	351 days	Fri 7/27/07	Fri 11/28/08		Kleinfelder
1353	Design Borings and Lab Testing	70 days	Fri 7/27/07	Thu 11/1/07		Kleinfelder
1354	Draft Geotechnical Recommendations	20 days	Fri 11/2/07	Thu 11/29/07	1353	Kleinfelder
1355	SAFCA and Agency Review	10 days	Fri 11/30/07	Thu 12/13/07	1354	SAFCA,DWR,CORPS
1356	Additional Borings/Lab Testing	105 days	Mon 7/7/08	Fri 11/28/08	1354	Kleinfelder
1357	Final Geotechnical Recommendations	21 days	Mon 9/29/08	Mon 10/27/08	1356	Kleinfelder
1358	Canal Improvement Design	302 days	Fri 10/5/07	Tue 12/2/08		Mead & Hunt
1359	PRE-DESIGN	61 days	Fri 10/5/07	Mon 12/31/07		Mead & Hunt
1360	Project Description, Footprint and Quantities for EIR/EIS	32 days	Mon 11/5/07	Wed 12/19/07	1354	Mead & Hunt
1361	Basis of Design	61 days	Fri 10/5/07	Mon 12/31/07		Mead & Hunt
1362	Draft Basis of Design Report	87 edays	Fri 10/5/07	Mon 12/31/07	1347	Mead & Hunt
1363	Quality Control Internal Reviews	20 days	Fri 10/5/07	Sun 11/4/07	1362	Mead & Hunt
1364	SAFCA and Team Review	5 days	Mon 11/5/07	Fri 11/9/07	1363	Mead & Hunt
1365	Revisions and Back check	10 days	Mon 11/12/07	Fri 11/23/07	1364	Mead & Hunt
1366	Stakeholder Review	5 days	Mon 11/26/07	Fri 11/30/07	1365	Mead & Hunt
1367	Check Point Meeting	10 days	Mon 12/3/07	Fri 12/14/07	1366	Mead & Hunt
1368	Finalize Basis of Design Report	1 day	Mon 12/17/07	Mon 12/17/07	1367	Mead & Hunt
1369	PLANS, SPECIFICATIONS AND ESTIMATES	271 days	Fri 10/12/07	Fri 10/24/08		Mead & Hunt
1370	30 Percent PS&E	98 days	Fri 10/12/07	Tue 2/26/08		Mead & Hunt
1371	Design Engineering and Drawings & Cost Estimate	17 days	Fri 10/12/07	Mon 11/5/07	1347	Mead & Hunt
1372	Technical Specifications (TOC)	5 days	Wed 11/7/07	Tue 11/13/07	1371SS+30 edays	Mead & Hunt
1373	Quality Control Internal Review	10 days	Wed 11/14/07	Tue 11/27/07	1371	Mead & Hunt
1374	SAFCA and Team Review	5 days	Wed 11/28/07	Tue 12/4/07	1373	SAFCA
1375	Revisions and Back check	10 days	Wed 12/5/07	Tue 12/18/07	1374	Mead & Hunt
1376	Stakeholder Review	65 days	Wed 11/28/07	Tue 2/26/08	1375	Mead & Hunt
1377	60 Percent PS&E	90 days	Wed 1/2/08	Tue 5/6/08		Mead & Hunt
1378	Design Engineering and Drawings & Cost Estimate	10 days	Wed 1/2/08	Tue 1/15/08	1374	Mead & Hunt



**SACRAMENTO AREA FLOOD CONTROL AGENCY
NATOMAS LEVEE IMPROVEMENT PROJECT**

MASTER SCHEDULE
Updated 10-23-08

ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1379	Technical Specifications (TOC)	5 days	Wed 1/16/08	Tue 1/22/08	1378FF	Mead & Hunt
1380	Quality Control Internal Review	10 days	Wed 1/23/08	Tue 2/5/08	1379	Mead & Hunt
1381	SAFCA and Team Review	5 days	Wed 2/6/08	Tue 2/12/08	1380	SAFCA
1382	Revisions and Back check	10 days	Wed 2/13/08	Tue 2/26/08	1381	Mead & Hunt
1383	Stakeholder Review	65 days	Wed 2/6/08	Tue 5/6/08	1382	Mead & Hunt
1384	90 Percent PS&E	45 days	Wed 3/5/08	Tue 5/6/08		Mead & Hunt
1385	Design Engineering and Drawings & Cost Estimate	10 days	Wed 3/5/08	Tue 3/18/08	1381	Mead & Hunt
1386	Technical Specifications (TOC)	10 days	Wed 3/19/08	Tue 4/1/08	1385FF	Mead & Hunt
1387	Quality Control Internal Review	5 days	Wed 4/2/08	Tue 4/8/08	1386	Mead & Hunt
1388	SAFCA and Team Review	10 days	Wed 4/9/08	Tue 4/22/08	1387	SAFCA
1389	Revisions and Back check	10 days	Wed 4/23/08	Tue 5/6/08	1388	Mead & Hunt
1390	Stakeholder Review	10 days	Wed 4/9/08	Tue 4/22/08	1389	Mead & Hunt
1391	Final PS&E	143 days	Wed 4/9/08	Fri 10/24/08		Mead & Hunt
1392	Design Engineering and Drawings & Cost Estimate	93 days	Wed 4/9/08	Fri 8/15/08	1388	Mead & Hunt
1393	Technical Specifications (TOC)	16 days	Fri 6/20/08	Fri 8/15/08	1392FF	Mead & Hunt
1394	Quality Control Internal Review	1 day	Mon 8/18/08	Mon 8/18/08	1393	Mead & Hunt
1395	SAFCA and Team Review	5 days	Tue 8/19/08	Mon 8/25/08	1394	SAFCA
1396	Revisions and Back check	10 days	Tue 8/26/08	Mon 9/8/08	1395	Mead & Hunt
1397	Submit Final P&S&E	34 days	Tue 9/9/08	Fri 10/24/08	1396	Mead & Hunt
1398	UTILITY/ROADWAY DESIGN AND COORDINATION & RELOCATION	280 days	Wed 11/7/07	Tue 12/2/08		Mead & Hunt
1399	Utility/Roadway Design	280 days	Wed 11/7/07	Tue 12/2/08	1371	Mead & Hunt
1400	Agency Coordination	236 days	Wed 11/7/07	Wed 10/1/08	1371	Mead & Hunt
1401	BID OF CANAL, ROADWAY, & RELOCATION ELEMENTS	21 days	Mon 10/27/08	Mon 11/24/08		SAFCA
1402	Advertise Period	20 days	Mon 10/27/08	Fri 11/21/08	1397	SAFCA
1403	Pre-Bid Meeting	1 day	Mon 11/3/08	Mon 11/3/08	1402SS+5 days	SAFCA
1404	Bid Opening	1 day	Mon 11/24/08	Mon 11/24/08	1402	SAFCA
1405	Borrow Site (Airport North Buffer lands 1, 2, 3, & 5)	214 days	Tue 1/1/08	Fri 10/24/08		
1406	Survey	45 days	Tue 1/1/08	Mon 3/3/08		Psomas
1407	Field Survey	0 days	Tue 1/1/08	Tue 1/1/08		Psomas
1408	Aerial Photography & Surveys	1 day	Sat 3/1/08	Mon 3/3/08	1407	Psomas
1409	Topographic Mapping	45 days	Tue 1/1/08	Mon 3/3/08	1407	Psomas
1410	Geotechnical investigations	214 days	Tue 1/1/08	Fri 10/24/08		Kleinfelder
1411	Design Borings and Lab Testing	33 days	Tue 1/1/08	Thu 2/14/08		Kleinfelder
1412	Borrow Site Test Pit Program and Lab Testing	33 days	Tue 1/22/08	Thu 3/6/08	1411SS+3 wks	Kleinfelder
1413	Supplemental Investigations	72 days	Fri 3/7/08	Mon 6/16/08	1412	Kleinfelder
1414	Additional Supplemental Investigations	30 days	Mon 9/15/08	Fri 10/24/08	1413	Kleinfelder
1415	Geotechnical Data Report	10 days	Tue 6/17/08	Mon 6/30/08	1414	Kleinfelder
1416	Additional Supplemental Investigations	76 days	Sun 6/1/08	Tue 10/14/08	1415	Kleinfelder
1417	Design of Phase III Improvements	1332 days	Sun 1/1/06	Tue 2/8/11		
1418	Sac R East Levee (Reaches 5A-9B)	911 days	Sun 1/1/06	Mon 6/29/09		HDR
1419	Survey	357 days	Thu 11/1/07	Fri 3/13/09		Psomas
1420	Field Survey	67 days	Thu 11/1/07	Fri 2/1/08		Psomas
1421	Aerial Photography and Surveys	67 days	Thu 11/1/07	Fri 2/1/08		Psomas
1422	Topographic Mapping	150 days	Thu 11/1/07	Wed 5/28/08	1420SS,1421SS	Psomas
1423	Boundary Survey	192 days	Thu 11/1/07	Fri 7/25/08		Psomas
1424	Finalize Levee Survey	96 days	Thu 5/29/08	Thu 10/9/08	1422,1423	Psomas
1425	Review Right of Way Take Lines	5 days	Mon 2/2/09	Fri 2/6/09	1464	Psomas
1426	Right of Way Strip Plats	10 days	Mon 2/9/09	Fri 2/20/09	1425	Psomas
1427	Plats and Legal Desc	15 days	Mon 2/23/09	Fri 3/13/09	1424,1426	Psomas
1428	Geotechnical	810 days	Sun 1/1/06	Fri 2/6/09		Kleinfelder
1429	Preliminary Borings and Lab Testing	587 days	Sun 1/1/06	Tue 4/1/08		Kleinfelder
1430	Problem Identification Report	23 days	Sun 1/1/06	Wed 2/1/06	1429SS	Kleinfelder
1431	Design Borings and Lab Testing	65 days	Fri 2/15/08	Thu 5/15/08	1430	Kleinfelder
1432	Draft Geotechnical Alternatives Analysis	82 days	Sun 6/1/08	Wed 10/15/08	1431	Kleinfelder
1433	Final Geotechnical Alternative Analysis Report	20 days	Tue 12/23/08	Mon 1/19/09	1435,1432	Kleinfelder
1434	Geotechnical Basis of Design Report	56 days	Fri 11/21/08	Fri 2/6/09	1432	
1435	Draft Basis of Design Report	22 days	Fri 11/21/08	Mon 12/22/08	1449	Kleinfelder
1436	SAFCA, Team, & Agency Review	5 days	Tue 12/23/08	Mon 12/29/08	1435	SAFCA
1437	Final Geotechnical Basis of Design Report	14 days	Tue 1/20/09	Fri 2/6/09	1436,1433	Kleinfelder
1438	Geotechnical Data Report	142 days	Fri 5/16/08	Mon 12/1/08	1431	Kleinfelder
1439	Borrow Basis of Design Report	42 days	Tue 10/7/08	Wed 12/3/08	1432	Kleinfelder
1440	Levee Improvement Design	275 days	Mon 5/12/08	Fri 5/29/09		HDR
1441	PRE-DESIGN	195 days	Mon 5/12/08	Fri 2/6/09		HDR
1442	Preliminary Project Features	38 days	Mon 5/12/08	Wed 7/2/08		HDR
1443	Preliminary Project Features and Footprints	20 days	Mon 5/12/08	Fri 6/6/08		HDR
1444	Preliminary Project Descriptions, Quantities, and Costs	18 days	Mon 6/9/08	Wed 7/2/08	1443	HDR
1445	Alternatives Analysis	48 days	Thu 10/16/08	Mon 12/22/08		HDR
1446	Update SREL Alternatives Analysis Report	15 days	Thu 10/16/08	Wed 11/5/08	1432	HDR
1447	Quality Control Internal Review	5 days	Thu 11/6/08	Wed 11/12/08	1446	HDR
1448	SAFCA, Team, and Agency Review	5 days	Thu 11/13/08	Wed 11/19/08	1447	SAFCA,DWR,CORPS
1449	Check Point Meeting- Selection of Preferred Alternatives	1 day	Thu 11/20/08	Thu 11/20/08	1448	HDR
1450	Incorporate Comments into Alternatives Analysis	22 days	Fri 11/21/08	Mon 12/22/08	1449	HDR
1451	Basis of Design	56 days	Fri 11/21/08	Fri 2/6/09		HDR
1452	Update SREL Basis of Design Report	35 days	Fri 11/21/08	Thu 1/8/09	1449	HDR
1453	Quality Control Internal Reviews	6 days	Fri 1/9/09	Fri 1/16/09	1452	HDR
1454	SAFCA, Team, and Agency Review	5 days	Mon 1/19/09	Fri 1/23/09	1453	SAFCA,DWR,CORPS
1455	Final BODR	10 days	Mon 1/26/09	Fri 2/6/09	1454	HDR
1456	PLANS, SPECIFICATIONS AND ESTIMATES	151 days	Fri 10/31/08	Fri 5/29/09		HDR
1457	60 Percent PS&E	81 days	Fri 10/31/08	Fri 2/20/09		HDR
1458	Design Engineering and Drawings	56 days	Fri 10/31/08	Fri 1/16/09		HDR
1459	"G" Drawings	15 days	Fri 10/31/08	Fri 11/21/08	1422,1460SF	
1460	All Other Drawings	41 days	Fri 11/21/08	Fri 1/16/09	1443,1449	
1461	Quantity Take Offs	10 days	Mon 1/5/09	Fri 1/16/09	1460FF	
1462	Design Documentaiton Report	10 days	Mon 1/5/09	Fri 1/16/09	1460FF	
1463	Technical Specifications (TOC)	25 days	Mon 12/15/08	Fri 1/16/09	1458FF	HDR
1464	Quality Control Internal Review	10 days	Mon 1/19/09	Fri 1/30/09	1458	HDR
1465	SAFCA, Team, USACE & DWR Review	5 days	Mon 2/2/09	Fri 2/6/09	1464,1454	SAFCA,DWR,CORPS
1466	Opinion of Probable Construction Cost	15 days	Mon 2/2/09	Fri 2/20/09	1464	HDR
1467	Prepare OPC	5 days	Mon 2/2/09	Fri 2/6/09	1464	
1468	Quality Control Internal Reviews	5 days	Mon 2/9/09	Fri 2/13/09	1467	
1469	SAFCA, Team, and Agency Reviews	5 days	Mon 2/16/09	Fri 2/20/09	1468	
1470	90 Percent PS&E	50 days	Mon 2/9/09	Fri 4/17/09		HDR
1471	Design Engineering and Drawings	25 days	Mon 2/9/09	Fri 3/13/09	1464,1437	HDR
1472	Complete Specifications (TOC)	25 days	Mon 2/9/09	Fri 3/13/09	1471FF	HDR
1473	Quality Control Internal Review	10 days	Mon 3/16/09	Fri 3/27/09	1472	HDR
1474	SAFCA, Team, USACE & DWR Review	5 days	Mon 3/30/09	Fri 4/3/09	1473	SAFCA,DWR,CORPS
1475	Opinion of Probable Construction Cost	15 days	Mon 3/30/09	Fri 4/17/09	1473	HDR
1476	Prepare OPC	5 days	Mon 3/30/09	Fri 4/3/09	1473	
1477	Quality Control Internal Reviews	5 days	Mon 4/6/09	Fri 4/10/09	1476	
1478	SAFCA, Team, and Agency Reviews	5 days	Mon 4/13/09	Fri 4/17/09	1477	
1479	100 Percent PS&E	35 days	Mon 3/30/09	Fri 5/15/09		HDR
1480	Plan Revisions	20 days	Mon 3/30/09	Fri 4/24/09	1473	HDR
1481	Specification and Bid Document Revisions	20 days	Mon 3/30/09	Fri 4/24/09	1480FF	HDR
1482	Quality Control Internal Review	10 days	Mon 4/27/09	Fri 5/8/09	1481	HDR
1483	SAFCA and Team Back Check/Close Out	5 days	Mon 5/11/09	Fri 5/15/09	1482	SAFCA
1484	Submit Final Bid Set	5 days	Mon 5/18/09	Fri 5/22/09	1483	HDR



**SACRAMENTO AREA FLOOD CONTROL AGENCY
NATOMAS LEVEE IMPROVEMENT PROJECT**

MASTER SCHEDULE
Updated 10-23-08

ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1485	Final Opinion of Probable Construction Cost	15 days	Mon 5/11/09	Fri 5/29/09	1481	HDR
1486	Prepare OPC	5 days	Mon 5/11/09	Fri 5/15/09	1482	
1487	Quality Control Internal Reviews	5 days	Mon 5/18/09	Fri 5/22/09	1486	
1488	SAFCA, Team, and Agency Reviews	5 days	Mon 5/25/09	Fri 5/29/09	1487	
1489	ENCROACHMENT COORDINATION	36 days	Fri 11/21/08	Fri 1/9/09		HDR
1490	Conflict Identification	17 days	Fri 11/21/08	Mon 12/15/08	1449	HDR
1491	Utility Relocation Coordination	19 days	Tue 12/16/08	Fri 1/9/09	1490	HDR
1492	BID OF LEVEE ELEMENTS	27 days	Fri 5/22/09	Mon 6/29/09		SAFCA
1493	Advertise Period	22 days	Fri 5/22/09	Mon 6/22/09	1484FS-1 day	SAFCA
1494	Pre-Bid Meeting	1 day	Fri 5/29/09	Fri 5/29/09	1493SS+5 days	SAFCA
1495	Bid Opening	1 day	Mon 6/22/09	Mon 6/22/09	1493FS-1 day	SAFCA
1496	SAFCA Evaluation	5 days	Tue 6/23/09	Mon 6/29/09	1495	
1497	SMUD Utility Pole Relocation Plan	135 days	Tue 12/16/08	Mon 6/22/09		
1498	30 Percent Plans and Cost Estimate	29 days	Tue 12/16/08	Fri 1/23/09	1491SS	
1499	Quality Control Internal Review/Plan Revisions	5 days	Mon 1/26/09	Fri 1/30/09	1498	
1500	Submit Plans to PG&E	1 day	Mon 2/2/09	Mon 2/2/09	1499	
1501	Complete Relocation of Utilities	1 day	Mon 6/22/09	Mon 6/22/09	1500SS+100 days	
1502	PGCC	545 days	Tue 1/1/08	Tue 2/2/10		Wood Rodgers
1503	Survey	545 days	Tue 1/1/08	Tue 2/2/10		Psomas
1504	Field Survey	0 days	Tue 1/1/08	Tue 1/1/08		Psomas
1505	Aerial Photography and Surveys	0 days	Tue 1/1/08	Tue 1/1/08		Psomas
1506	Topographic Mapping	0 days	Tue 1/1/08	Tue 1/1/08	1504SS,1505SS	Psomas
1507	Boundary Survey	30 days	Tue 4/1/08	Mon 5/12/08		Psomas
1508	Finalize Levee Survey	30 days	Tue 4/1/08	Mon 5/12/08	1507SS	Psomas
1509	Review Right of Way Take Lines	39 days	Tue 6/23/09	Fri 8/14/09	1554	Psomas
1510	Right of Way Strip Plats	112 days	Mon 8/17/09	Tue 1/19/10	1509	Psomas
1511	Plats and Legal Desc	10 days	Wed 1/20/10	Tue 2/2/10	1508,1510	Psomas
1512	Geotechnical	263 days	Fri 2/15/08	Tue 2/17/09		Kleinfelder
1513	Preliminary Borings and Lab Testing	106 days	Fri 2/15/08	Fri 7/11/08		Kleinfelder
1514	Draft Problem Identification Report	171 days	Fri 2/15/08	Fri 10/10/08	1513SS	Kleinfelder
1515	Geotechnical Alternatives Analysis	49 days	Mon 8/25/08	Thu 10/30/08	1514	Kleinfelder
1516	Design Borings and Lab Testing	111 days	Fri 2/15/08	Fri 7/18/08	1515	Kleinfelder
1517	Geotechnical Data Report	74 days	Mon 7/21/08	Thu 10/30/08	1516	Kleinfelder
1518	Draft Geotechnical Basis of Design Report	84 days	Mon 7/28/08	Thu 11/20/08	1516	Kleinfelder
1519	Team Review	5 days	Fri 11/21/08	Thu 11/27/08	1518	SAFCA
1520	DWR & Corps Review	10 days	Fri 11/21/08	Thu 12/4/08	1518	DWR,CORPS
1521	Final Geotechnical Basis of Design Report	53 days	Fri 12/5/08	Tue 2/17/09	1519,1520	Kleinfelder
1522	Levee Improvement Design	396 days	Tue 4/8/08	Tue 10/13/09		Wood Rodgers
1523	PRE-DESIGN	165 days	Fri 10/31/08	Thu 6/18/09		Wood Rodgers
1524	Alternatives Analysis	108 days	Fri 10/31/08	Tue 3/31/09		Wood Rodgers
1525	Prepare Draft Alternatives Analysis	36 days	Fri 10/31/08	Fri 12/19/08	1515	Wood Rodgers
1526	SAFCA and Team Review	5 days	Mon 12/22/08	Fri 12/26/08	1525	SAFCA
1527	Revisions and Back check	12 days	Mon 12/29/08	Tue 1/13/09	1526	Wood Rodgers
1528	USACE & DWR Review	24 days	Wed 1/14/09	Mon 2/16/09	1527	DWR,CORPS
1529	Check Point Meeting- Selection of Preferred Alternatives	1 day	Tue 2/17/09	Tue 2/17/09	1528	Wood Rodgers
1530	Project Description, Footprint and Quantities for EIR/EIS	21 days	Wed 2/18/09	Wed 3/18/09	1529	Wood Rodgers
1531	Revise Alternatives Analysis	21 days	Wed 2/18/09	Wed 3/18/09	1529	Wood Rodgers
1532	SAFCA and Agency Review	9 days	Thu 3/19/09	Tue 3/31/09	1530,1531	SAFCA,DWR,CORPS
1533	Basis of Design	105 days	Fri 1/23/09	Thu 6/18/09		Wood Rodgers
1534	Draft Basis of Design Report	45 days	Fri 1/23/09	Thu 3/26/09	1525SS+60 days	Wood Rodgers
1535	Quality Control Internal Reviews	5 days	Fri 3/27/09	Thu 4/2/09	1534	Wood Rodgers
1536	SAFCA and Team Review	7 days	Fri 4/3/09	Mon 4/13/09	1535	SAFCA
1537	Revisions and Back check	5 days	Tue 4/14/09	Mon 4/20/09	1536	Wood Rodgers
1538	USACE & DWR Review	10 days	Tue 4/21/09	Mon 5/4/09	1537	DWR,CORPS
1539	Check Point Meeting	1 day	Tue 5/5/09	Tue 5/5/09	1538	Wood Rodgers
1540	Finalize Basis of Design Report	32 days	Wed 5/6/09	Thu 6/18/09	1539	Wood Rodgers
1541	PLANS, SPECIFICATIONS AND ESTIMATES	188 days	Fri 1/23/09	Tue 10/13/09		Wood Rodgers
1542	30 Percent PS&E	82 days	Fri 1/23/09	Mon 5/18/09		
1543	Design Engineering and Drawings	50 days	Fri 1/23/09	Thu 4/2/09	1525SS+60 days	
1544	Cost Estimate	10 days	Fri 3/20/09	Thu 4/2/09	1543FF	
1545	Technical Specifications (TOC)	30 days	Fri 2/20/09	Thu 4/2/09	1543FF	
1546	Quality Control Internal Review	5 days	Fri 3/27/09	Thu 4/2/09	1543FF	
1547	SAFCA and Team Review	7 days	Fri 4/3/09	Mon 4/13/09	1543	
1548	Revisions and Back check	5 days	Tue 4/14/09	Mon 4/20/09	1547	
1549	USACE & DWR Review	20 days	Tue 4/21/09	Mon 5/18/09	1548	
1550	60 Percent PS&E	82 days	Tue 4/14/09	Wed 8/5/09		Wood Rodgers
1551	Design Engineering and Drawings	50 days	Tue 4/14/09	Mon 6/22/09	1547	Wood Rodgers
1552	Cost Estimate	10 days	Tue 6/9/09	Mon 6/22/09	1551FF	Wood Rodgers
1553	Technical Specifications (TOC)	30 days	Tue 5/12/09	Mon 6/22/09	1551FF	Wood Rodgers
1554	Quality Control Internal Review	5 days	Tue 6/16/09	Mon 6/22/09	1551FF	Wood Rodgers
1555	SAFCA and Team Review	7 days	Tue 6/23/09	Wed 7/1/09	1551	SAFCA
1556	Revisions and Back check	5 days	Thu 7/2/09	Wed 7/8/09	1555	Wood Rodgers
1557	USACE & DWR Review	20 days	Thu 7/9/09	Wed 8/5/09	1556	DWR,CORPS
1558	90 Percent PS&E	67 days	Thu 7/2/09	Fri 10/2/09		Wood Rodgers
1559	Design Engineering and Drawings	34 days	Thu 7/2/09	Tue 8/18/09	1555	Wood Rodgers
1560	Cost Estimate	10 days	Wed 8/5/09	Tue 8/18/09	1559FF	Wood Rodgers
1561	Complete Specifications (TOC)	30 days	Wed 7/8/09	Tue 8/18/09	1559FF	Wood Rodgers
1562	Quality Control Internal Review	10 days	Wed 8/5/09	Tue 8/18/09	1559FF	Wood Rodgers
1563	SAFCA and Team Review	6 days	Wed 8/19/09	Wed 8/26/09	1562	SAFCA
1564	Revisions and Back check	5 days	Thu 8/27/09	Wed 9/2/09	1563	Wood Rodgers
1565	USACE & DWR Review	22 days	Thu 9/3/09	Fri 10/2/09	1564	DWR,CORPS
1566	Final PS&E	34 days	Thu 8/27/09	Tue 10/13/09		Wood Rodgers
1567	Design Engineering and Drawings	23 days	Thu 8/27/09	Mon 9/28/09	1563	Wood Rodgers
1568	Cost Estimate	10 days	Tue 9/15/09	Mon 9/28/09	1567FF	Wood Rodgers
1569	Complete Specifications (TOC)	20 days	Tue 9/1/09	Mon 9/28/09	1567FF	Wood Rodgers
1570	Quality Control Internal Review	10 days	Tue 9/15/09	Mon 9/28/09	1567FF	Wood Rodgers
1571	SAFCA and Team Review	5 days	Tue 9/29/09	Mon 10/5/09	1570	SAFCA
1572	Revisions and Back check	5 days	Tue 10/6/09	Mon 10/12/09	1571	Wood Rodgers
1573	Submit Final P&S&E	1 day	Tue 10/13/09	Tue 10/13/09	1572	Wood Rodgers
1574	ENCROACHMENT COORDINATION	145 days	Fri 5/23/08	Thu 12/11/08		Wood Rodgers
1575	Conflict Identification	37 days	Fri 5/23/08	Mon 7/14/08	1525SS,1158FF	Wood Rodgers
1576	Utility Relocation Coordination	108 days	Tue 7/15/08	Thu 12/11/08	1575	Wood Rodgers
1577	ROADWAY DESIGN AND COORDINATION & RELOCATION	180 days	Tue 4/8/08	Mon 12/15/08		Wood Rodgers
1578	Roadway Design	9 mons	Tue 4/8/08	Mon 12/15/08	1525SS	Wood Rodgers
1579	Agency Coordination	6 mons	Thu 5/29/08	Wed 11/12/08	1578	Wood Rodgers
1580	BID OF LEVEE ELEMENTS	19 days	Wed 10/14/09	Mon 11/9/09		SAFCA
1581	Advertise Period	18 days	Wed 10/14/09	Fri 11/6/09	1573,93	SAFCA
1582	Pre-Bid Meeting	1 day	Wed 10/21/09	Wed 10/21/09	1581SS+5 days	SAFCA
1583	Bid Opening	1 day	Mon 11/9/09	Mon 11/9/09	1581	SAFCA
1584	NEMDC West Levee (Elkhorn Blvd. to Northgate Blvd.)	778 days	Fri 2/15/08	Tue 2/8/11		Wood Rodgers
1585	Survey	501 days	Tue 4/1/08	Tue 3/2/10		Psomas
1586	Field Survey	60 days	Tue 4/1/08	Mon 6/23/08		Psomas
1587	Aerial Photography and Surveys	59 days	Tue 4/1/08	Fri 6/20/08		Psomas
1588	Topographic Mapping	70 days	Tue 4/1/08	Mon 7/7/08	1586SS,1587SS	Psomas
1589	Boundary Survey	155 days	Tue 4/1/08	Mon 11/3/08		Psomas
1590	Finalize Levee Survey	1 day	Tue 11/4/08	Tue 11/4/08	1588,1589	Psomas



**SACRAMENTO AREA FLOOD CONTROL AGENCY
NATOMAS LEVEE IMPROVEMENT PROJECT**

MASTER SCHEDULE
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ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1591	Review Right of Way Take Lines	150 days	Tue 5/20/08	Mon 1/25/10	1637	Psomas
1592	Right of Way Strip Plats	16 days	Tue 1/26/10	Tue 2/16/10	1591	Psomas
1593	Plats and Legal Desc	10 days	Wed 2/17/10	Tue 3/2/10	1590,1592	Psomas
1594	Geotechnical	256 days	Fri 2/15/08	Fri 2/6/09		Kleinfelder
1595	Preliminary Borings and Lab Testing	112 days	Fri 2/15/08	Mon 7/21/08		Kleinfelder
1596	Supplemental borings	68 days	Mar 9/5/08	Wed 12/3/08		Kleinfelder
1597	Problem Identification Report	96 days	Sun 6/15/08	Mon 10/27/08	1595SS	Kleinfelder
1598	Geotechnical Alternatives Analysis	51 days	Mon 9/22/08	Mon 12/1/08	1597	Kleinfelder
1599	Design Borings and Lab Testing	186 days	Fri 2/15/08	Fri 10/31/08	1598	Kleinfelder
1600	Geotechnical Data Report	40 days	Tue 9/2/08	Mon 10/27/08	1599	Kleinfelder
1601	Draft Geotechnical Basis of Design Report	20 days	Mon 11/3/08	Fri 11/28/08	1599	Kleinfelder
1602	Team Review	5 days	Mon 12/1/08	Fri 12/5/08	1601	SAFCA
1603	DWR & Corps Review	10 days	Mon 12/1/08	Fri 12/12/08	1601	DWR,CORPS
1604	Final Geotechnical Basis of Design Report	40 days	Mon 12/15/08	Fri 2/6/09	1602,1603	Kleinfelder
1605	Levee Improvement Design	521 days	Tue 12/2/08	Tue 11/30/10		Wood Rodgers
1606	PRE-DESIGN	135 days	Tue 12/2/08	Mon 6/8/09		Wood Rodgers
1607	Alternatives Analysis	102 days	Tue 12/2/08	Wed 4/22/09		Wood Rodgers
1608	Prepare Draft Alternatives Analysis	30 days	Tue 12/2/08	Mon 1/12/09	1598	Wood Rodgers
1609	SAFCA and Team Review	5 days	Tue 1/13/09	Mon 1/19/09	1608	SAFCA
1610	Revisions and Back check	12 days	Tue 1/20/09	Wed 2/4/09	1609	Wood Rodgers
1611	USACE & DWR Review	24 days	Thu 2/5/09	Tue 3/10/09	1610	Wood Rodgers
1612	Check Point Meeting- Selection of Preferred Alternatives	1 day	Wed 3/11/09	Wed 3/11/09	1611	Wood Rodgers
1613	Project Description, Footprint and Quantities for EIR/EIS	21 days	Thu 3/12/09	Thu 4/9/09	1612	Wood Rodgers
1614	Revise Alternatives Analysis	21 days	Thu 3/12/09	Thu 4/9/09	1612	Wood Rodgers
1615	SAFCA and Agency Review	9 days	Fri 4/10/09	Wed 4/22/09	1613,1614	SAFCA,DWR,CORPS
1616	Basis of Design	105 days	Tue 1/13/09	Mon 6/8/09		Wood Rodgers
1617	Draft Basis of Design Report	45 days	Tue 1/13/09	Mon 3/16/09	1608	Wood Rodgers
1618	Quality Control Internal Reviews	5 days	Tue 3/17/09	Mon 3/23/09	1617	Wood Rodgers
1619	SAFCA and Team Review	7 days	Tue 3/24/09	Wed 4/1/09	1618	SAFCA
1620	Revisions and Back check	5 days	Thu 4/2/09	Wed 4/8/09	1619	Wood Rodgers
1621	USACE & DWR Review	10 days	Thu 4/9/09	Wed 4/22/09	1620	DWR,CORPS
1622	Check Point Meeting	1 day	Thu 4/23/09	Thu 4/23/09	1621	Wood Rodgers
1623	Finalize Basis of Design Report	32 days	Fri 4/24/09	Mon 6/8/09	1622	Wood Rodgers
1624	PLANS, SPECIFICATIONS AND ESTIMATES	501 days	Tue 12/30/08	Tue 11/30/10		Wood Rodgers
1625	30 Percent PS&E	105 days	Tue 12/30/08	Mon 5/25/09		
1626	Design Engineering and Drawings	60 days	Tue 12/30/08	Mon 3/23/09	1608SS+20 days	
1627	Cost Estimate	10 days	Tue 3/10/09	Mon 3/23/09	1626FF	
1628	Technical Specifications (TOC)	30 days	Tue 2/10/09	Mon 3/23/09	1626FF	
1629	Quality Control Internal Review	5 days	Tue 3/24/09	Mon 3/30/09	1628	
1630	SAFCA and Team Review	10 days	Tue 3/31/09	Mon 4/13/09	1629	
1631	Revisions and Back check	10 days	Tue 4/14/09	Mon 4/27/09	1630	
1632	USACE & DWR Review	20 days	Tue 4/28/09	Mon 5/25/09	1631	
1633	60 Percent PS&E	90 days	Tue 4/14/09	Mon 8/17/09		Wood Rodgers
1634	Design Engineering and Drawings	50 days	Tue 4/14/09	Mon 6/22/09	1630	Wood Rodgers
1635	Cost Estimate	10 days	Tue 6/9/09	Mon 6/22/09	1634FF	Wood Rodgers
1636	Technical Specifications (TOC)	30 days	Tue 5/12/09	Mon 6/22/09	1634FF	Wood Rodgers
1637	Quality Control Internal Review	5 days	Tue 6/23/09	Mon 6/29/09	1636	Wood Rodgers
1638	SAFCA and Team Review	10 days	Tue 6/30/09	Mon 7/13/09	1637	SAFCA
1639	Revisions and Back check	5 days	Tue 7/14/09	Mon 7/20/09	1638	Wood Rodgers
1640	USACE & DWR Review	20 days	Tue 7/21/09	Mon 8/17/09	1639	DWR,CORPS
1641	90 Percent PS&E	85 days	Tue 6/1/10	Mon 9/27/10		Wood Rodgers
1642	Design Engineering and Drawings	40 days	Tue 6/1/10	Mon 7/26/10		Wood Rodgers
1643	Cost Estimate	10 days	Tue 7/13/10	Mon 7/26/10	1642FF	Wood Rodgers
1644	Complete Specifications (TOC)	30 days	Tue 6/15/10	Mon 7/26/10	1642FF	Wood Rodgers
1645	Quality Control Internal Review	10 days	Tue 7/27/10	Mon 8/9/10	1644	Wood Rodgers
1646	SAFCA and Team Review	10 days	Tue 8/10/10	Mon 8/23/10	1645	SAFCA
1647	Revisions and Back check	5 days	Tue 8/24/10	Mon 8/30/10	1646	Wood Rodgers
1648	USACE & DWR Review	20 days	Tue 8/31/10	Mon 9/27/10	1647	DWR,CORPS
1649	Final PS&E	46 days	Tue 9/28/10	Tue 11/30/10		Wood Rodgers
1650	Design Engineering and Drawings	20 days	Tue 9/28/10	Mon 10/25/10	1648	Wood Rodgers
1651	Cost Estimate	10 days	Tue 10/12/10	Mon 10/25/10	1650FF	Wood Rodgers
1652	Complete Specifications (TOC)	20 days	Tue 9/28/10	Mon 10/25/10	1650FF	Wood Rodgers
1653	Quality Control Internal Review	10 days	Tue 10/26/10	Mon 11/8/10	1652	Wood Rodgers
1654	SAFCA and Team Review	5 days	Tue 11/9/10	Mon 11/15/10	1653	SAFCA
1655	Revisions and Back check	10 days	Tue 11/16/10	Mon 11/29/10	1654	Wood Rodgers
1656	Submit Final P&S&E	1 day	Tue 11/30/10	Tue 11/30/10	1655	Wood Rodgers
1657	ENCROACHMENT COORDINATION	200 days	Tue 12/2/08	Mon 9/7/09		Wood Rodgers
1658	Conflict Identification	6 mons	Tue 12/2/08	Mon 5/18/09	1608SS,1158FF	Wood Rodgers
1659	Utility Relocation Coordination	6 mons	Tue 3/24/09	Mon 9/7/09	1626	Wood Rodgers
1660	ROADWAY DESIGN AND COORDINATION & RELOCATION	120 days	Tue 3/24/09	Mon 9/7/09		Wood Rodgers
1661	Roadway Design	6 mons	Tue 3/24/09	Mon 9/7/09	1626	Wood Rodgers
1662	Agency Coordination	6 mons	Tue 3/24/09	Mon 9/7/09	1626	Wood Rodgers
1663	BID OF LEVEE ELEMENTS	21 days	Tue 1/11/11	Tue 2/8/11		SAFCA
1664	Advertise Period	20 days	Tue 1/11/11	Mon 2/7/11	1656,93.7	SAFCA
1665	Pre-Bid Meeting	1 day	Tue 1/18/11	Tue 1/18/11	1664SS+5 days	SAFCA
1666	Bid Opening	1 day	Tue 2/8/11	Tue 2/8/11	1664	SAFCA
1667	Elkhorn Irr. Canal (Sac River Reach 4B to 9A) and GGS/Drainage Canal (Sac River Reach 4B to I-5)	359 days	Fri 2/1/08	Wed 6/17/09		
1668	Survey	289 days	Fri 2/1/08	Wed 3/11/09		
1669	Field Survey	20 days	Fri 2/1/08	Thu 2/28/08		
1670	Aerial Photography and Surveys	25 days	Fri 2/1/08	Thu 3/6/08	1669SS	
1671	Topographic Mapping	114 days	Fri 2/1/08	Wed 7/9/08	1669SS	Psomas
1672	Boundary Survey	26 days	Fri 6/20/08	Fri 7/25/08	1671FF	Psomas
1673	Finalize Survey	36 days	Fri 6/20/08	Fri 8/8/08	1672	Psomas
1674	Review Right of Way Take Lines	8 days	Mon 1/12/09	Wed 1/21/09	1705	Psomas
1675	Right of Way Strip Plats	20 days	Thu 1/22/09	Wed 2/18/09	1674	Psomas
1676	Plats and Legal Desc	15 days	Thu 2/19/09	Wed 3/11/09	1673,1675	Psomas
1677	Geotechnical	100 days	Mon 8/11/08	Fri 12/26/08		
1678	Design Borings and Lab Testing	60 days	Mon 8/11/08	Fri 10/31/08		Kleinfelder
1679	Draft Geotechnical Design Report	20 days	Mon 11/3/08	Fri 11/28/08	1678	Kleinfelder
1680	SAFCA and Agency Review	10 days	Mon 12/1/08	Fri 12/12/08	1679	SAFCA
1681	Final Geotechnical Design Report	10 days	Mon 12/15/08	Fri 12/26/08	1680	Kleinfelder
1682	Canal Improvement Design	291 days	Fri 4/4/08	Fri 5/15/09		
1683	PRE-DESIGN	203 days	Fri 4/4/08	Tue 1/13/09		
1684	Project Description, Footprint and Quantities for EIR/EIS	32 days	Mon 12/1/08	Tue 1/13/09	1679	Mead & Hunt
1685	Basis of Design	200 days	Fri 4/4/08	Thu 1/8/09		
1686	Draft Basis of Design Report	94 days	Fri 4/4/08	Wed 8/13/08	1672	Mead & Hunt
1687	Quality Control Internal Reviews	5 days	Thu 8/14/08	Wed 8/20/08	1686	Mead & Hunt
1688	SAFCA and Team Review	3 days	Thu 8/21/08	Mon 8/25/08	1687	SAFCA
1689	Revisions and Back check	5 days	Tue 8/26/08	Mon 9/1/08	1688	Mead & Hunt
1690	Stakeholder Review	9 days	Mon 8/18/08	Thu 8/28/08	1689	Mead & Hunt
1691	Check Point Meeting	1 day	Fri 8/29/08	Fri 8/29/08	1690	Mead & Hunt
1692	Finalize Basis of Design Report	94 days	Mon 9/1/08	Thu 1/8/09	1691	Mead & Hunt
1693	PLANS, SPECIFICATIONS AND ESTIMATES	291 days	Fri 4/4/08	Fri 5/15/09		
1694	30 Percent PS&E	111 days	Fri 4/4/08	Fri 9/5/08		
1695	Design Engineering and Drawings & Cost Estimate	81 days	Fri 4/4/08	Fri 7/25/08		Mead & Hunt
1696	Technical Specifications (TOC)	38 days	Wed 6/4/08	Fri 7/25/08	1695FF	Mead & Hunt



**SACRAMENTO AREA FLOOD CONTROL AGENCY
NATOMAS LEVEE IMPROVEMENT PROJECT**

MASTER SCHEDULE
Updated 10-23-08

ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names	
1697	Quality Control Internal Review	5 days	Mon 7/28/08	Fri 8/1/08	1695	Mead & Hunt	
1698	SAFCA and Team Review	10 days	Mon 8/4/08	Fri 8/15/08	1697	SAFCA	
1699	Revisions and Back check	5 days	Mon 8/18/08	Fri 8/22/08	1698	Mead & Hunt	
1700	Stakeholder Review	10 days	Mon 8/25/08	Fri 9/5/08	1699	Mead & Hunt	
1701	60 Percent PS&E	125 days	Mon 8/18/08	Fri 2/6/09		Mead & Hunt	
1702	Design Engineering and Drawings & Cost Estimate	100 days	Mon 8/18/08	Fri 1/2/09	1698	Mead & Hunt	
1703	Technical Specifications (TOC)	10 days	Mon 12/22/08	Fri 1/2/09	1702FF	Mead & Hunt	
1704	Quality Control Internal Review	5 days	Mon 1/5/09	Fri 1/9/09	1703	Mead & Hunt	
1705	Stakeholder Review	10 days	Mon 12/29/08	Fri 1/9/09	1704FF	Mead & Hunt	
1706	SAFCA and Team Review	15 days	Mon 1/12/09	Fri 1/30/09	1704	SAFCA	
1707	Revisions and Back check	5 days	Mon 2/2/09	Fri 2/6/09	1706	Mead & Hunt	
1708	90 Percent PS&E	49 days	Mon 1/12/09	Thu 3/19/09		Mead & Hunt	
1709	Design Engineering and Drawings & Cost Estimate	25 days	Mon 1/12/09	Fri 2/13/09	1704	Mead & Hunt	
1710	Technical Specifications (TOC)	10 days	Mon 2/2/09	Fri 2/13/09	1709FF	Mead & Hunt	
1711	Quality Control Internal Review	10 days	Mon 2/16/09	Fri 2/27/09	1710	Mead & Hunt	
1712	SAFCA and Team Review	9 days	Mon 3/2/09	Thu 3/12/09	1711	SAFCA	
1713	Stakeholder Review	9 days	Mon 3/2/09	Thu 3/12/09	1712FF	Mead & Hunt	
1714	Revisions and Back check	5 days	Fri 3/13/09	Thu 3/19/09	1712	Mead & Hunt	
1715	100 percent PS&E	50 days	Mon 3/2/09	Fri 5/8/09		Mead & Hunt	
1716	Design Engineering and Drawings & Cost Estimate	25 days	Mon 3/2/09	Fri 4/3/09	1711	Mead & Hunt	
1717	Technical Specifications (TOC)	10 days	Mon 3/23/09	Fri 4/3/09	1716FF	Mead & Hunt	
1718	Quality Control Internal Review	10 days	Mon 4/6/09	Fri 4/17/09	1717	Mead & Hunt	
1719	SAFCA and Team Review	9 days	Mon 4/20/09	Thu 4/30/09	1718	SAFCA	
1720	Stakeholder Review	9 days	Mon 4/20/09	Thu 4/30/09	1719FF	Mead & Hunt	
1721	Revisions and Back check	6 days	Fri 5/1/09	Fri 5/8/09	1719,1720	Mead & Hunt	
1722	Final PS&E	19 days	Mon 4/20/09	Thu 5/14/09		Mead & Hunt	
1723	Design Engineering and Drawings & Cost Estimate	5 days	Mon 4/20/09	Fri 4/24/09	1718	Mead & Hunt	
1724	Technical Specifications (TOC)	5 days	Mon 4/20/09	Fri 4/24/09	1723FF	Mead & Hunt	
1725	Quality Control Internal Review	5 days	Mon 4/27/09	Fri 5/1/09	1724	Mead & Hunt	
1726	SAFCA and Team Back Check	5 days	Mon 5/4/09	Fri 5/8/09	1725	SAFCA	
1727	Revisions and Back check	4 days	Mon 5/11/09	Thu 5/14/09	1726	Mead & Hunt	
1728	Submit Final P&S&E	1 day	Fri 5/15/09	Fri 5/15/09	1727	Mead & Hunt	
1729	UTILITY/ROADWAY DESIGN AND COORDINATION & RELOCATION	120 days	Fri 6/27/08	Thu 12/11/08		Mead & Hunt	
1730	Utility/Roadway Design	6 mons	Fri 6/27/08	Thu 12/11/08	1695	Mead & Hunt	
1731	Agency Coordination	6 mons	Fri 6/27/08	Thu 12/11/08	1695	Mead & Hunt	
1732	BID OF CANAL, ROADWAY, & RELOCATION ELEMENTS	19 days	Fri 5/22/09	Wed 6/17/09			
1733	Advertise Period	18 days	Fri 5/22/09	Tue 6/16/09	1493SS	SAFCA	
1734	Pre-Bid Meeting	1 day	Fri 5/29/09	Fri 5/29/09	1733SS+5 days	SAFCA	
1735	Bid Opening	1 day	Wed 6/17/09	Wed 6/17/09	1733	SAFCA	
1736	Design of Pritchard Lake Pumping Plant & Pumping Plant #2 (Drainage)	685 days	Thu 2/1/07	Wed 9/16/09		Mead & Hunt	
1737	Survey	503 days	Thu 2/1/07	Mon 1/5/09		Psomas	
1738	Field Survey	94 days	Tue 7/1/08	Fri 11/7/08		Psomas	
1739	Aerial Photography and Surveys	15 days	Tue 7/1/08	Mon 7/21/08	1738SS	Psomas	
1740	Topographic Mapping	15 days	Tue 7/1/08	Mon 7/21/08	1738SS	Psomas	
1741	Boundary Survey	0 days	Thu 2/1/07	Thu 2/1/07		1740	Psomas
1742	Finalize Survey	20 days	Tue 12/9/08	Mon 1/5/09	1738,1739,1740	Psomas	
1743	Geotechnical	209 days	Fri 2/15/08	Wed 12/3/08		Kleinfelder	
1744	Design Borings and Lab Testing	106 days	Fri 2/15/08	Fri 7/11/08		Kleinfelder	
1745	Draft Geotechnical Data Report	80 days	Mon 7/14/08	Fri 10/31/08	1744	Kleinfelder	
1746	SAFCA and Agency Review	11 days	Mon 11/3/08	Mon 11/17/08	1745	SAFCA,DWR,CORPS	
1747	Final Geotechnical Design Report	12 days	Tue 11/18/08	Wed 12/3/08	1746	Kleinfelder	
1748	Canal Improvement Design	291 days	Fri 4/4/08	Fri 5/15/09		Mead & Hunt	
1749	PRE-DESIGN	136 days	Fri 4/4/08	Fri 10/10/08		Mead & Hunt	
1750	Alternatives Analysis	105 days	Fri 4/4/08	Thu 8/28/08		Mead & Hunt	
1751	Prepare Draft Alternatives Analysis	62 days	Fri 4/4/08	Mon 6/30/08		Mead & Hunt	
1752	SAFCA and Team Review	22 days	Tue 7/1/08	Wed 7/30/08	1751	Mead & Hunt	
1753	Revisions and Back check	5 days	Thu 7/31/08	Wed 8/6/08	1752	Mead & Hunt	
1754	Stakeholder Review	16 days	Thu 8/7/08	Thu 8/28/08	1753	Mead & Hunt	
1755	Check Point Meeting- Selection of Preferred Alternatives	1 day	Fri 7/25/08	Fri 7/25/08	1752FS-4 days	Mead & Hunt	
1756	Project Description, Footprint and Quantities for EIR/EIS	1 day	Mon 6/30/08	Mon 6/30/08	1755	Mead & Hunt	
1757	Revise Alternatives Analysis	24 days	Mon 7/28/08	Thu 8/28/08	1755	Mead & Hunt	
1758	SAFCA and Agency Review	0 days	Thu 8/28/08	Thu 8/28/08	1756,1757	Mead & Hunt	
1759	Basis of Design	118 days	Wed 4/30/08	Fri 10/10/08		Mead & Hunt	
1760	Draft Basis of Design Report	65.56 days	Wed 4/30/08	Wed 7/30/08	1751	Mead & Hunt	
1761	Quality Control Internal Reviews	5.51 days	Tue 7/1/08	Wed 7/30/08	1760	Mead & Hunt	
1762	SAFCA and Team Review	12 days	Thu 7/31/08	Fri 8/15/08	1761	SAFCA	
1763	Revisions and Back check	9 days	Mon 8/18/08	Thu 8/28/08	1762	Mead & Hunt	
1764	Stakeholder Review	4 days	Mon 8/25/08	Thu 8/28/08	1763	Mead & Hunt	
1765	Check Point Meeting	1 day	Thu 8/28/08	Thu 8/28/08	1764	Mead & Hunt	
1766	Finalize Basis of Design Report	31 days	Fri 8/29/08	Fri 10/10/08	1765	Mead & Hunt	
1767	PLANS, SPECIFICATIONS AND ESTIMATES	219 days	Tue 7/15/08	Fri 5/15/09		Mead & Hunt	
1768	60 Percent PS&E	149 days	Tue 7/15/08	Fri 2/6/09		Mead & Hunt	
1769	Design Engineering and Drawings & Cost Estimate	124 days	Tue 7/15/08	Fri 1/2/09	1751SS	Mead & Hunt	
1770	Technical Specifications (TOC)	10 days	Mon 12/22/08	Fri 1/2/09	1769FF	Mead & Hunt	
1771	Quality Control Internal Review	5 days	Mon 1/5/09	Fri 1/9/09	1770	Mead & Hunt	
1772	SAFCA and Team Review	15 days	Mon 1/12/09	Fri 1/30/09	1771	SAFCA	
1773	Stakeholder Review	15 days	Mon 1/12/09	Fri 1/30/09	1771	Mead & Hunt	
1774	Revisions and Back check	5 days	Mon 2/2/09	Fri 2/6/09	1773	Mead & Hunt	
1775	90 Percent PS&E	49 days	Mon 1/12/09	Thu 3/19/09		Mead & Hunt	
1776	Design Engineering and Drawings & Cost Estimate	25 days	Mon 1/12/09	Fri 2/13/09	1771	Mead & Hunt	
1777	Technical Specifications (TOC)	10 days	Mon 2/2/09	Fri 2/13/09	1776FF	Mead & Hunt	
1778	Quality Control Internal Review	10 days	Mon 2/16/09	Fri 2/27/09	1777	Mead & Hunt	
1779	SAFCA and Team Review	9 days	Mon 3/2/09	Thu 3/12/09	1778	SAFCA	
1780	Stakeholder Review	9 days	Mon 3/2/09	Thu 3/12/09	1778	Mead & Hunt	
1781	Revisions and Back check	5 days	Fri 3/13/09	Thu 3/19/09	1780	Mead & Hunt	
1782	100 percent PS&E	50 days	Mon 3/2/09	Fri 5/8/09		Mead & Hunt	
1783	Design Engineering and Drawings & Cost Estimate	25 days	Mon 3/2/09	Fri 4/3/09	1778	Mead & Hunt	
1784	Technical Specifications (TOC)	15 days	Mon 3/16/09	Fri 4/3/09	1783FF	Mead & Hunt	
1785	Quality Control Internal Review	10 days	Mon 4/6/09	Fri 4/17/09	1784	Mead & Hunt	
1786	SAFCA and Team Review	10 days	Mon 4/20/09	Fri 5/1/09	1785	SAFCA	
1787	Stakeholder Review	10 days	Mon 4/20/09	Fri 5/1/09	1785	Mead & Hunt	
1788	Revisions and Back check	5 days	Mon 5/4/09	Fri 5/8/09	1787	Mead & Hunt	
1789	Final PS&E	19 days	Mon 4/20/09	Thu 5/14/09		Mead & Hunt	
1790	Design Engineering and Drawings & Cost Estimate	5 days	Mon 4/20/09	Fri 4/24/09	1785	Mead & Hunt	
1791	Technical Specifications (TOC)	5 days	Mon 4/20/09	Fri 4/24/09	1790FF	Mead & Hunt	
1792	Quality Control Internal Review	5 days	Mon 4/27/09	Fri 5/1/09	1791	Mead & Hunt	
1793	SAFCA and Team Review	5 days	Mon 5/4/09	Fri 5/8/09	1792	SAFCA	
1794	Revisions and Back check	4 days	Mon 5/11/09	Thu 5/14/09	1793	Mead & Hunt	
1795	Submit Final P&S&E	1 day	Fri 5/15/09	Fri 5/15/09	1794	Mead & Hunt	
1796	BID OF CANAL, ROADWAY, & RELOCATION ELEMENTS	88 days	Mon 5/18/09	Wed 9/16/09		SAFCA	
1797	Advertise Period	87 days	Mon 5/18/09	Tue 9/15/09	1795	SAFCA	
1798	Pre-Bid Meeting	1 day	Fri 8/28/09	Fri 8/28/09	1797SS+74 days	SAFCA	
1799	Bid Opening	1 day	Wed 9/16/09	Wed 9/16/09	1797	SAFCA	
1800	Brookfield Borrow/Restoration site	301 days	Tue 1/1/08	Tue 2/24/09		Mead & Hunt	
1801	Survey	63 days	Tue 1/1/08	Thu 3/27/08		Psomas	
1802	Field Survey	62 days	Tue 1/1/08	Wed 3/26/08		Psomas	



**SACRAMENTO AREA FLOOD CONTROL AGENCY
NATOMAS LEVEE IMPROVEMENT PROJECT**

MASTER SCHEDULE
Updated 10-23-08

ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1803	Aerial Photography & Surveys	14 days	Mon 3/10/08	Thu 3/27/08	1802	Psomas
1804	Topographic Mapping	14 days	Mon 3/10/08	Thu 3/27/08	1802	Psomas
1805	Geotechnical investigations	201 days	Wed 2/27/08	Wed 12/3/08		Kleinfelder
1806	Design Borings and Lab Testing	33 days	Wed 2/27/08	Fri 4/11/08		Kleinfelder
1807	Borrow Site Test Pit Program and Lab Testing	10 days	Mon 11/17/08	Fri 11/14/08	1806SS	Kleinfelder
1808	Supplemental Investigations	8 days	Mon 11/17/08	Wed 11/26/08	1807	Kleinfelder
1809	Geotechnical Data Report	5 days	Thu 11/27/08	Wed 12/3/08	1808	Kleinfelder
1810	Project Description, Footprint and Quantities for EIR/EIS	5 days	Thu 8/7/08	Wed 8/13/08	1812SS	Mead & Hunt
1811	Prepare 60% Design Submittal	55 days	Thu 8/7/08	Wed 10/22/08		Mead & Hunt
1812	Design	22 days	Thu 8/7/08	Fri 9/5/08	301,1806	Mead & Hunt
1813	QC Internal Review	5 days	Mon 9/8/08	Fri 9/12/08	1812	Mead & Hunt
1814	SAFCA and Team Review	15 days	Mon 9/15/08	Fri 10/3/08	1813	Mead & Hunt
1815	Revisions and Back check	5 days	Mon 10/6/08	Fri 10/10/08	1814	Mead & Hunt
1816	USACE, DWR Review, & Stakeholder Review	8 days	Mon 10/13/08	Wed 10/22/08	1815	Mead & Hunt
1817	Prepare 90% Design Submittal	55 days	Thu 10/23/08	Wed 1/7/09		Mead & Hunt
1818	Design	20 days	Thu 10/23/08	Wed 11/19/08	1816	Mead & Hunt
1819	QC Internal Review	14 days	Thu 11/20/08	Tue 12/9/08	1818,852FF,864FF	Mead & Hunt
1820	SAFCA and Team Review	6 days	Wed 12/10/08	Wed 12/17/08	1819	Mead & Hunt
1821	Revisions and Back check	5 days	Thu 12/18/08	Wed 12/24/08	1820	Mead & Hunt
1822	USACE, DWR Review, Stakeholder Review	10 days	Thu 12/25/08	Wed 1/7/09	1821	Mead & Hunt
1823	Prepare 100% Design Submittal	34 days	Thu 1/8/09	Tue 2/24/09		Mead & Hunt
1824	Design	13 days	Thu 1/8/09	Mon 1/26/09	1822	Mead & Hunt
1825	QC Internal Review	10 days	Tue 1/27/09	Mon 2/9/09	1824	Mead & Hunt
1826	SAFCA and Team Review	5 days	Tue 2/10/09	Mon 2/16/09	1825	Mead & Hunt
1827	Revisions and Back check	5 days	Tue 2/17/09	Mon 2/23/09	1826	Mead & Hunt
1828	Submit 100% PS&E	1 day	Tue 2/24/09	Tue 2/24/09	1827	Mead & Hunt
1829	East Side Borrow Site	912 days	Mon 5/1/06	Tue 10/27/09		Mead & Hunt
1830	Survey	531 days	Mon 5/1/06	Mon 5/12/08		Psomas
1831	Field Survey	20 days	Mon 5/1/06	Fri 5/26/06		Psomas
1832	Aerial Photography & Surveys	20 days	Tue 1/1/08	Mon 1/28/08	1831	Psomas
1833	Topographic Mapping	95 days	Tue 1/1/08	Mon 5/12/08	1831	Psomas
1834	Project Description, Footprint and Quantities for EIR/EIS	531 days	Mon 5/1/06	Mon 5/12/08		Mead & Hunt
1835	Geotechnical investigations	87 days	Fri 6/6/08	Mon 10/6/08		Kleinfelder
1836	Design Borings and Lab Testing	78 days	Fri 6/6/08	Tue 9/23/08		Kleinfelder
1837	Borrow Site Test Pit Program and Lab Testing	25 days	Tue 6/24/08	Mon 7/28/08	1836SS+3 wks	Kleinfelder
1838	Supplemental Investigations	21 days	Mon 7/14/08	Mon 8/11/08	1837	Kleinfelder
1839	Geotechnical Data Report	9 days	Wed 9/24/08	Mon 10/6/08	1838	Kleinfelder
1840	Prepare 60% Design Submittal	160 days	Tue 10/7/08	Mon 5/18/09		Mead & Hunt
1841	Design	123 days	Tue 10/7/08	Thu 3/26/09	301,1836,1833,1831,1839	Mead & Hunt
1842	QC Internal Review	5 days	Fri 3/27/09	Thu 4/2/09	1841	Mead & Hunt
1843	SAFCA and Team Review	7 days	Fri 4/3/09	Mon 4/13/09	1842	Mead & Hunt
1844	Revisions and Back check	5 days	Tue 4/14/09	Mon 4/20/09	1843	Mead & Hunt
1845	USACE, DWR, Stakeholder Review	20 days	Tue 4/21/09	Mon 5/18/09	1844	Mead & Hunt
1846	Prepare 90% Design Submittal	96 days	Tue 4/14/09	Tue 8/25/09		Mead & Hunt
1847	Design	66 days	Tue 4/14/09	Tue 7/14/09	1843	Mead & Hunt
1848	QC Internal Review	5 days	Wed 7/15/09	Tue 7/21/09	1847	Mead & Hunt
1849	SAFCA and Team Review	10 days	Wed 7/22/09	Tue 8/4/09	1848	Mead & Hunt
1850	Revisions and Back check	5 days	Wed 8/5/09	Tue 8/11/09	1849	Mead & Hunt
1851	USACE, DWR, Stakeholder Review	10 days	Wed 8/12/09	Tue 8/25/09	1850	Mead & Hunt
1852	Prepare 100% Design Submittal	45 days	Wed 8/26/09	Tue 10/27/09		Mead & Hunt
1853	Design	15 days	Wed 8/26/09	Tue 9/15/09	1851	Mead & Hunt
1854	QC Internal Review	5 days	Wed 9/16/09	Tue 9/22/09	1853	Mead & Hunt
1855	SAFCA and Team Review	10 days	Wed 9/23/09	Tue 10/6/09	1854	Mead & Hunt
1856	Revisions and Back check	5 days	Wed 10/7/09	Tue 10/13/09	1855	Mead & Hunt
1857	USACE & DWR Review	10 days	Wed 10/14/09	Tue 10/27/09	1856	Mead & Hunt
1858	Airport North Borrow Site (1,4 Phase I Borrow)	720 days	Mon 5/1/06	Fri 1/30/09		Mead & Hunt
1859	Survey	580 days	Mon 5/1/06	Sun 7/20/08		Psomas
1860	Field Survey	541 days	Mon 5/1/06	Mon 5/26/08		Psomas
1861	Aerial Photography & Surveys	1 day	Mon 5/1/06	Mon 5/1/06	1860	Psomas
1862	Topographic Mapping	39 days	Tue 5/27/08	Sun 7/20/08	1860	Psomas
1863	Project Description, Footprint and Quantities for EIR/EIS	3 days	Tue 7/1/08	Thu 7/3/08		Mead & Hunt
1864	Geotechnical investigations	73 days	Thu 5/1/08	Mon 8/11/08		Kleinfelder
1865	Design Borings and Lab Testing	33 days	Fri 5/6/08	Tue 7/22/08		Kleinfelder
1866	Borrow Site Test Pit Program and Lab Testing	19 days	Mon 7/14/08	Thu 8/7/08	1865SS+3 wks	Kleinfelder
1867	Supplemental Investigations	21 days	Mon 7/14/08	Mon 8/11/08	1866	Kleinfelder
1868	Geotechnical Data Report	43 days	Thu 5/1/08	Mon 6/30/08	1867	Kleinfelder
1869	Prepare 90% Design Submittal	30 days	Mon 10/13/08	Fri 11/21/08		Mead & Hunt
1870	Design	10 days	Mon 10/13/08	Fri 10/24/08	1868FF	Mead & Hunt
1871	QC Internal Review	6 days	Mon 10/27/08	Mon 11/3/08	1870	Mead & Hunt
1872	SAFCA and Team Review	10 days	Tue 11/4/08	Mon 11/17/08	1871	Mead & Hunt
1873	USACE, DWR, Stakeholder Review	10 days	Mon 10/27/08	Fri 11/7/08	1870	Mead & Hunt
1874	Revisions and Back check	4 days	Tue 11/18/08	Fri 11/21/08	1873,1872	Mead & Hunt
1875	Prepare 100% Design Submittal	64 days	Tue 11/4/08	Fri 1/30/09		Mead & Hunt
1876	Design	17 days	Tue 11/4/08	Wed 11/26/08	1871	Mead & Hunt
1877	QC Internal Review	27 days	Thu 11/27/08	Fri 1/2/09	1876	Mead & Hunt
1878	SAFCA and Team Review	15 days	Mon 1/5/09	Fri 1/23/09	1877	Mead & Hunt
1879	USACE & DWR Review	15 days	Mon 1/5/09	Fri 1/23/09	1877	Mead & Hunt
1880	Revisions and Back check	5 days	Mon 1/26/09	Fri 1/30/09	1879	Mead & Hunt
1881	Final Design Submittal	18 days	Mon 1/5/09	Wed 1/28/09		Mead & Hunt
1882	Design	5 days	Mon 1/5/09	Fri 1/9/09	1877	Mead & Hunt
1883	QC Internal Review	5 days	Mon 1/12/09	Fri 1/16/09	1882	Mead & Hunt
1884	SAFCA and Team Review	5 days	Mon 1/19/09	Fri 1/23/09	1883	Mead & Hunt
1885	Revisions and Back check	3 days	Mon 1/26/09	Wed 1/28/09	1884	Mead & Hunt
1886	Submit Final PS&E	1 day	Thu 1/29/09	Thu 1/29/09	1885	Mead & Hunt
1887	Airport North Borrow Site (2,3,& 6 Phase II Borrow)	794 days	Mon 5/1/06	Thu 5/14/09		Mead & Hunt
1888	Survey	580 days	Mon 5/1/06	Sun 7/20/08		Psomas
1889	Field Survey	541 days	Mon 5/1/06	Mon 5/26/08		Psomas
1890	Aerial Photography & Surveys	1 day	Mon 5/1/06	Mon 5/1/06	1889	Psomas
1891	Topographic Mapping	39 days	Tue 5/27/08	Sun 7/20/08	1889	Psomas
1892	Project Description, Footprint and Quantities for EIR/EIS	3 days	Tue 7/1/08	Thu 7/3/08		Mead & Hunt
1893	Geotechnical investigations	87 days	Fri 6/6/08	Mon 10/6/08		Kleinfelder
1894	Design Borings and Lab Testing	33 days	Fri 6/6/08	Tue 7/22/08		Kleinfelder
1895	Borrow Site Test Pit Program and Lab Testing	19 days	Mon 7/14/08	Thu 8/7/08	1894SS+3 wks	Kleinfelder
1896	Supplemental Investigations	21 days	Mon 7/14/08	Mon 8/11/08	1895	Kleinfelder
1897	Geotechnical Data Report (5 & 6)	40 days	Tue 8/12/08	Mon 10/6/08	1896	Kleinfelder
1898	Geotechnical Data Report	40 days	Tue 8/12/08	Mon 10/6/08	1897	Kleinfelder
1899	Prepare 60% Design Submittal	143 days	Wed 7/23/08	Fri 2/6/09		Mead & Hunt
1900	Design	118 days	Wed 7/23/08	Fri 1/2/09	1889,1891,1894	Mead & Hunt
1901	QC Internal Review	5 days	Mon 1/5/09	Fri 1/9/09	1900	Mead & Hunt
1902	SAFCA and Team Review	15 days	Mon 1/12/09	Fri 1/30/09	1901	Mead & Hunt
1903	USACE, DWR, Stakeholder Review	15 days	Mon 1/12/09	Fri 1/30/09	1901	Mead & Hunt
1904	Revisions and Back check	5 days	Mon 2/2/09	Fri 2/6/09	1903,1902	Mead & Hunt
1905	Prepare 90% Design Submittal	49 days	Mon 1/12/09	Thu 3/19/09		Mead & Hunt
1906	Design	25 days	Mon 1/12/09	Fri 2/13/09	1901	Mead & Hunt
1907	QC Internal Review	10 days	Mon 2/16/09	Fri 2/27/09	1906	Mead & Hunt
1908	SAFCA and Team Review	9 days	Mon 3/2/09	Thu 3/12/09	1907	Mead & Hunt



**SACRAMENTO AREA FLOOD CONTROL AGENCY
NATOMAS LEVEE IMPROVEMENT PROJECT**

MASTER SCHEDULE
Updated 10-23-08

ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1909	USACE, DWR, Stakeholder Review	9 days	Mon 3/2/09	Thu 3/12/09	1907	Mead & Hunt
1910	Revisions and Back check	5 days	Fri 3/13/09	Thu 3/19/09	1909,1908	Mead & Hunt
1911	Prepare 100% Design Submittal	50 days	Mon 3/2/09	Fri 5/8/09		Mead & Hunt
1912	Design	25 days	Mon 3/2/09	Fri 4/3/09	1907	Mead & Hunt
1913	QC Internal Review	10 days	Mon 4/6/09	Fri 4/17/09	1912	Mead & Hunt
1914	SAFCA and Team Review	10 days	Mon 4/20/09	Fri 5/1/09	1913	Mead & Hunt
1915	USACE & DWR Review	10 days	Mon 4/20/09	Fri 5/1/09	1913	Mead & Hunt
1916	Revisions and Back check	5 days	Mon 5/4/09	Fri 5/8/09	1915,1914	Mead & Hunt
1917	Final Design Submittal	18 days	Mon 4/20/09	Wed 5/13/09		Mead & Hunt
1918	Design	5 days	Mon 4/20/09	Fri 4/24/09	1913	Mead & Hunt
1919	QC Internal Review	5 days	Mon 4/27/09	Fri 5/1/09	1918	Mead & Hunt
1920	SAFCA and Team Review	5 days	Mon 5/4/09	Fri 5/8/09	1919	Mead & Hunt
1921	Revisions and Back check	3 days	Mon 5/11/09	Wed 5/13/09	1920	Mead & Hunt
1922	Submit Final PS&E	1 day	Thu 5/14/09	Thu 5/14/09	1921	Mead & Hunt
1923	Design of Phase IV Improvements	1390 days	Sun 1/1/06	Fri 4/29/11		HDR
1924	American River North Levee	1342 days	Sun 1/1/06	Tue 2/22/11		HDR
1925	Survey	637 days	Tue 4/1/08	Wed 9/8/10		Psomas
1926	Field Survey	174 days	Tue 4/1/08	Fri 11/28/08		Psomas
1927	Aerial Photography and Surveys	7 days	Tue 9/2/08	Wed 9/10/08	1926	Psomas
1928	Topographic Mapping	64 days	Tue 9/2/08	Fri 11/28/08	1926SS,1927SS	Psomas
1929	Boundary Survey	14 days	Mon 12/1/08	Thu 12/18/08	1928	Psomas
1930	Finalize Levee Survey	20 days	Fri 12/19/08	Thu 1/15/09	1928,1929	Psomas
1931	Review Right of Way Take Lines	3 days	Fri 7/30/10	Tue 8/3/10	1974	Psomas
1932	Right of Way Strip Plats	11 days	Wed 8/4/10	Wed 8/18/10	1931	Psomas
1933	Plats and Legal Desc	15 days	Thu 8/19/10	Wed 9/8/10	1930,1932	Psomas
1934	Geotechnical	1128 days	Sun 1/1/06	Wed 4/28/10		
1935	Preliminary Borings and Lab Testing	33 days	Fri 2/15/08	Tue 4/1/08		Kleinfelder
1936	Problem Identification Report	0 days	Sun 1/1/06	Wed 2/1/06	1935SS	Kleinfelder
1937	Preliminary Geotechnical Alternatives Analysis	242 days	Sun 1/1/06	Tue 12/5/06	1936	Kleinfelder
1938	Design Borings and Lab Testing	65 days	Fri 8/1/08	Thu 10/30/08		Kleinfelder
1939	Draft Geotechnical Alternatives Analysis	35 days	Fri 10/31/08	Thu 12/18/08	1938	Kleinfelder
1940	Draft Geotechnical Basis of Design Report	30 days	Fri 1/15/10	Thu 2/25/10	1955FS+12 mons	Kleinfelder
1941	Geotechnical Data Report	56 days	Fri 10/31/08	Fri 1/16/09	1938	Kleinfelder
1942	Borrow Basis of Design Report	30 days	Fri 1/15/10	Thu 2/25/10	1955FS+12 mons	Kleinfelder
1943	Team Review	24 days	Fri 2/26/10	Wed 3/31/10	1940	Kleinfelder
1944	DWR & Corps Review	24 days	Fri 2/26/10	Wed 3/31/10	1940	DWR,CORPS
1945	Final Geotechnical Basis of Design Report	20 days	Thu 4/1/10	Wed 4/28/10	1943,1944	Kleinfelder
1946	Levee Improvement Design	597 days	Wed 10/1/08	Thu 1/13/11		HDR
1947	PRE-DESIGN	402 days	Wed 10/1/08	Thu 4/15/10		HDR
1948	Preliminary Project Features	74 days	Wed 10/1/08	Mon 1/12/09		
1949	Preliminary Project Features and Footprints	52 days	Wed 10/1/08	Thu 12/11/08		HDR
1950	Preliminary Project Descriptions, Quantities, and Costs	22 days	Fri 12/12/08	Mon 1/12/09	1949	HDR
1951	Alternatives Analysis	60 days	Fri 12/19/08	Thu 3/12/09		HDR
1952	Prepare Draft Alternatives Analysis	20 days	Fri 12/19/08	Thu 1/15/09	1939	HDR
1953	Quality Control Internal Review	5 days	Fri 1/16/09	Thu 1/22/09	1952	HDR
1954	SAFCA, Team, & Agency Review	10 days	Fri 1/23/09	Thu 2/5/09	1953	SAFCA
1955	Check Point Meeting- Selection of Preferred Alternatives	1 day	Thu 2/12/09	Thu 2/12/09	1954	HDR
1956	Finalize Alternatives Analysis	20 days	Fri 2/13/09	Thu 3/12/09	1955	HDR
1957	Basis of Design	65 days	Fri 1/15/10	Thu 4/15/10		HDR
1958	Draft Basis of Design Report	35 days	Fri 1/15/10	Thu 3/4/10	1955FS+12 mons	HDR
1959	Quality Control Internal Reviews	5 days	Fri 3/5/10	Thu 3/11/10	1958	HDR
1960	SAFCA, Team & Agency Review	10 days	Fri 3/12/10	Thu 3/25/10	1959	SAFCA
1961	Finalize Basis of Design Report	15 days	Fri 3/26/10	Thu 4/15/10	1960	HDR
1962	PLANS, SPECIFICATIONS AND ESTIMATES	260 days	Fri 1/15/10	Thu 1/13/11		HDR
1963	30 Percent PS&E	75 days	Fri 1/15/10	Thu 4/29/10		HDR
1964	Design Engineering and Drawings	45 days	Fri 1/15/10	Thu 3/18/10	1955FS+12 mons	HDR
1965	Quality Control Internal Review	10 days	Fri 3/19/10	Thu 4/1/10	1964	HDR
1966	SAFCA, Team, USACE & DWR Review	10 days	Fri 4/2/10	Thu 4/15/10	1965	SAFCA,DWR,CORPS
1967	OPCC	20 days	Fri 4/2/10	Thu 4/29/10		
1968	Prepare OPCC	10 days	Fri 4/2/10	Thu 4/15/10	1965	HDR
1969	Quality Control Internal Reviews	5 days	Fri 4/16/10	Thu 4/22/10	1968	HDR
1970	SAFCA and Team Review	5 days	Fri 4/23/10	Thu 4/29/10	1969	HDR
1971	60 Percent PS&E	90 days	Fri 4/23/10	Thu 8/26/10		HDR
1972	Design Engineering and Drawings	60 days	Fri 4/23/10	Thu 7/15/10	1969	HDR
1973	Technical Specifications (TOC)	25 days	Fri 6/11/10	Thu 7/15/10	1972FF	HDR
1974	Quality Control Internal Review	10 days	Fri 7/16/10	Thu 7/29/10	1973	HDR
1975	SAFCA, Team, & Agency Review	10 days	Fri 7/30/10	Thu 8/12/10	1974	SAFCA,DWR,CORPS
1976	OPCC	20 days	Fri 7/30/10	Thu 8/26/10		
1977	Prepare OPCC	10 days	Fri 7/30/10	Thu 8/12/10	1974	HDR
1978	Quality Control Internal Reviews	5 days	Fri 8/13/10	Thu 8/19/10	1977	HDR
1979	SAFCA and Team Review	5 days	Fri 8/20/10	Thu 8/26/10	1978	HDR
1980	90 Percent PS&E	70 days	Fri 7/30/10	Thu 11/4/10		HDR
1981	Design Engineering and Drawings	40 days	Fri 7/30/10	Thu 9/23/10	1974	HDR
1982	Specifications and Bid Documents	25 days	Fri 8/20/10	Thu 9/23/10	1981FF	HDR
1983	Quality Control Internal Review	10 days	Fri 9/24/10	Thu 10/7/10	1982	HDR
1984	SAFCA, Team, USACE & DWR Review	10 days	Fri 10/8/10	Thu 10/21/10	1983	SAFCA,DWR,CORPS
1985	OPCC	20 days	Fri 10/8/10	Thu 11/4/10		
1986	Prepare OPCC	10 days	Fri 10/8/10	Thu 10/21/10	1983	HDR
1987	Quality Control Internal Reviews	5 days	Fri 10/22/10	Thu 10/28/10	1986	HDR
1988	SAFCA and Team Review	5 days	Fri 10/29/10	Thu 11/4/10	1987	HDR
1989	100 Percent PS&E	45 days	Fri 10/22/10	Thu 12/23/10		HDR
1990	Plan Revisions	25 days	Fri 10/22/10	Thu 11/25/10	1984	HDR
1991	Complete Specifications and Bid Documents	20 days	Fri 10/29/10	Thu 11/25/10	1990FF	HDR
1992	Quality Control Internal Review	10 days	Fri 11/26/10	Thu 12/9/10	1991	HDR
1993	SAFCA and Team Back Check/Close Out	10 days	Fri 12/10/10	Thu 12/23/10	1992	SAFCA
1994	Submit Final P&S&E	10 days	Fri 12/24/10	Thu 1/6/11	1993	HDR
1995	Final OPCC	25 days	Fri 12/10/10	Thu 1/13/11		
1996	Update OPCC	10 days	Fri 12/10/10	Thu 12/23/10	1992	HDR
1997	Quality Control Internal Reviews	5 days	Fri 12/24/10	Thu 12/30/10	1996	HDR
1998	SAFCA and Team Review	10 days	Fri 12/31/10	Thu 1/13/11	1997	HDR
1999	ENCROACHMENT COORDINATION	45 days	Fri 2/13/09	Thu 4/16/09		HDR
2000	Conflict Identification (Letter A & B)	20 days	Fri 2/13/09	Thu 3/12/09	1955	HDR
2001	Utility Relocation Coordination	25 days	Fri 3/13/09	Thu 4/16/09	2000	HDR
2002	BID OF LEVEE ELEMENTS	31 days	Tue 1/11/11	Tue 2/22/11		SAFCA
2003	Advertise Period	20 days	Tue 1/11/11	Mon 2/7/11	1994,127,7	SAFCA
2004	Pre-Bid Meeting	1 day	Thu 1/20/11	Thu 1/20/11	2003SS+7 days	SAFCA
2005	Bid Opening	1 day	Tue 2/8/11	Tue 2/8/11	2003	SAFCA
2006	SAFCA Evaluation	10 days	Wed 2/9/11	Tue 2/22/11	2005	SAFCA
2007	SMUD Utility Pole Relocation Plan	201 days	Fri 4/2/10	Fri 1/7/11		
2008	30 Percent Plans	25 days	Fri 4/2/10	Thu 5/6/10	1965	
2009	Quality Control Internal Review/Plan Revisions	15 days	Fri 5/7/10	Thu 5/27/10	2008	
2010	Submit Plans to SMUD	1 day	Fri 5/28/10	Fri 5/28/10	2009	
2011	Complete Relocation of Utilities (by others)	1 day	Fri 1/7/11	Fri 1/7/11	2010SS+8 mons	
2012	Sac R East Levee (Reaches 10 to 15)	1035 days	Sun 1/1/06	Fri 12/18/09		HDR
2013	Survey	672 days	Mon 5/1/06	Tue 11/25/08		Psomas
2014	Field Survey	610 days	Mon 5/1/06	Fri 8/29/08		Psomas



**SACRAMENTO AREA FLOOD CONTROL AGENCY
NATOMAS LEVEE IMPROVEMENT PROJECT**

MASTER SCHEDULE
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ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2015	Aerial Photography and Surveys	44 days	Thu 5/1/08	Tue 7/1/08		Psomas
2016	Topographic Mapping	129 days	Thu 5/1/08	Tue 10/28/08	2014SS,2015SS	Psomas
2017	Boundary Survey	145 days	Thu 5/1/08	Wed 11/19/08		Psomas
2018	Finalize Levee Survey	9 days	Wed 10/29/08	Mon 11/10/08	2016	Psomas
2019	Review Right of Way Take Lines	10 days	Wed 10/29/08	Tue 11/11/08	2016	Psomas
2020	Right of Way Strip Plats	20 days	Wed 10/29/08	Tue 11/25/08	2016	Psomas
2021	Plats and Legal Desc	15 days	Wed 11/5/08	Tue 11/25/08	2020FF	Psomas
2022	Geotechnical	894 days	Sun 1/1/06	Thu 6/4/09		Kleinfelder
2023	Preliminary Borings and Lab Testing	587 days	Sun 1/1/06	Tue 4/1/08		Kleinfelder
2024	Problem Identification Report	0 days	Sun 1/1/06	Wed 2/1/06	2023SS	Kleinfelder
2025	Geotechnical Alternatives Analysis Addendum	163 days	Wed 4/2/08	Fri 11/14/08	2024,2023	Kleinfelder
2026	Design Borings and Lab Testing	182 days	Fri 2/15/08	Mon 10/27/08	2025	Kleinfelder
2027	Geotechnical Data Report	14 days	Tue 10/28/08	Fri 11/14/08	2026	Kleinfelder
2028	Draft Geotechnical Basis of Design Report	90 days	Tue 10/28/08	Mon 3/2/09	2026	Kleinfelder
2029	Team Review	10 days	Tue 3/3/09	Mon 3/16/09	2028	SAFCA
2030	DWR & Corps Review	15 days	Tue 3/3/09	Mon 3/23/09	2028	DWR,CORPS
2031	Final Geotechnical Basis of Design Report	53 days	Tue 3/24/09	Thu 6/4/09	2029,2030	Kleinfelder
2032	Levee Improvement Design	264 days	Mon 11/17/08	Thu 11/19/09		HDR
2033	PRE-DESIGN	101 days	Mon 11/17/08	Mon 4/6/09		HDR
2034	Alternatives Analysis	69 days	Mon 11/17/08	Thu 2/19/09		HDR
2035	Prepare Draft Alternatives Analysis	18 days	Mon 11/17/08	Wed 12/10/08	2025	HDR
2036	SAFCA and Team Review	5 days	Thu 12/11/08	Wed 12/17/08	2035	SAFCA
2037	Revisions and Back check	5 days	Thu 12/18/08	Wed 12/24/08	2036	HDR
2038	USACE & DWR Review	10 days	Thu 12/25/08	Wed 1/7/09	2037	DWR,CORPS
2039	Check Point Meeting- Selection of Preferred Alternatives	1 day	Thu 1/8/09	Thu 1/8/09	2038	HDR
2040	Project Description, Footprint and Quantities for EIR/EIS	20 days	Fri 1/9/09	Thu 2/5/09	2039	HDR
2041	Revise Alternatives Analysis	20 days	Fri 1/9/09	Thu 2/5/09	2039	HDR
2042	SAFCA and Agency Review	10 days	Fri 2/6/09	Thu 2/19/09	2040,2041	SAFCA,DWR,CORPS
2043	Basis of Design	62 days	Thu 1/8/09	Mon 4/6/09		HDR
2044	Draft Basis of Design Report	30 edays	Thu 1/8/09	Sat 2/7/09	2039	HDR
2045	Quality Control Internal Reviews	5 days	Mon 2/9/09	Fri 2/13/09	2044	HDR
2046	SAFCA and Team Review	10 days	Mon 2/16/09	Fri 2/27/09	2045	SAFCA
2047	Revisions and Back check	5 days	Mon 3/2/09	Fri 3/6/09	2046	HDR
2048	USACE & DWR Review	10 days	Mon 3/9/09	Fri 3/20/09	2047	DWR,CORPS
2049	Check Point Meeting	1 day	Mon 3/23/09	Mon 3/23/09	2048	HDR
2050	Finalize Basis of Design Report	10 days	Tue 3/24/09	Mon 4/6/09	2049	HDR
2051	PLANS, SPECIFICATIONS AND ESTIMATES	226 days	Thu 1/8/09	Thu 11/19/09		HDR
2052	30 Percent PS&E	65 days	Thu 1/8/09	Wed 4/8/09		HDR
2053	Design Engineering and Drawings	50 days	Thu 1/8/09	Wed 3/18/09	2039SS	HDR
2054	Cost Estimate	10 days	Thu 1/8/09	Wed 1/21/09	2053SS	HDR
2055	Quality Control Internal Review	5 days	Thu 3/19/09	Wed 3/25/09	2053	HDR
2056	SAFCA, Team, USACE & DWR Review	10 days	Thu 3/26/09	Wed 4/8/09	2055	SAFCA,DWR,CORPS
2057	60 Percent PS&E	75 days	Thu 4/9/09	Wed 7/22/09		HDR
2058	Design Engineering and Drawings	60 days	Thu 4/9/09	Wed 7/1/09	2056	HDR
2059	Cost Estimate	10 days	Thu 4/9/09	Wed 4/22/09	2058SS	HDR
2060	Technical Specifications (TOC)	30 days	Thu 5/21/09	Wed 7/1/09	2058FF	HDR
2061	Quality Control Internal Review	5 days	Thu 7/2/09	Wed 7/8/09	2060	HDR
2062	SAFCA, Team, USACE & DWR Review	10 days	Thu 7/9/09	Wed 7/22/09	2061	SAFCA,DWR,CORPS
2063	90 Percent PS&E	50 days	Thu 7/9/09	Wed 9/16/09		HDR
2064	Design Engineering and Drawings	30 days	Thu 7/9/09	Wed 8/19/09	2061	HDR
2065	Cost Estimate	10 days	Thu 7/9/09	Wed 7/22/09	2064SS	HDR
2066	Complete Specifications (TOC)	30 days	Thu 7/9/09	Wed 8/19/09	2064FF	HDR
2067	Quality Control Internal Review	10 days	Thu 8/20/09	Wed 9/2/09	2066	HDR
2068	SAFCA, Team, USACE & DWR Review	10 days	Thu 9/3/09	Wed 9/16/09	2067	SAFCA,DWR,CORPS
2069	Final PS&E	46 days	Thu 9/17/09	Thu 11/19/09		HDR
2070	Design Engineering and Drawings	20 days	Thu 9/17/09	Wed 10/14/09	2068	HDR
2071	Cost Estimate	10 days	Thu 9/17/09	Wed 9/30/09	2070SS	HDR
2072	Complete Specifications (TOC)	20 days	Thu 9/17/09	Wed 10/14/09	2070FF	HDR
2073	Quality Control Internal Review	10 days	Thu 10/15/09	Wed 10/28/09	2072	HDR
2074	SAFCA and Team Review	5 days	Thu 10/29/09	Wed 11/4/09	2073	SAFCA
2075	Revisions and Back check	10 days	Thu 11/5/09	Wed 11/18/09	2074	HDR
2076	Submit Final P&S&E	1 day	Thu 11/19/09	Thu 11/19/09	2075	HDR
2077	ENCROACHMENT COORDINATION	120 days	Thu 3/19/09	Wed 9/2/09		HDR
2078	Conflict Identification	6 mons	Thu 3/19/09	Wed 9/2/09	2053,1158FF	HDR
2079	Utility Relocation Coordination	6 mons	Thu 3/19/09	Wed 9/2/09	2053	HDR
2080	ROADWAY DESIGN AND COORDINATION & RELOCATION	120 days	Thu 3/19/09	Wed 9/2/09		HDR
2081	Roadway Design	6 mons	Thu 3/19/09	Wed 9/2/09	2053	HDR
2082	Agency Coordination	6 mons	Thu 3/19/09	Wed 9/2/09	2053	HDR
2083	BID OF LEVEE ELEMENTS	21 days	Fri 11/20/09	Fri 12/18/09		SAFCA
2084	Advertise Period	20 days	Fri 11/20/09	Thu 12/17/09	2076,127	SAFCA
2085	Pre-Bid Meeting	1 day	Fri 11/27/09	Fri 11/27/09	2084SS+5 days	SAFCA
2086	Bid Opening	1 day	Fri 12/18/09	Fri 12/18/09	2084	SAFCA
2087	Sac R East Levee (Reaches 16 to 20)	1340 days	Sun 1/1/06	Fri 2/18/11		HDR
2088	Survey	638 days	Tue 4/1/08	Thu 9/9/10		Psomas
2089	Field Survey	174 days	Tue 4/1/08	Fri 11/28/08		Psomas
2090	Aerial Photography and Surveys	7 days	Tue 9/2/08	Wed 9/10/08	2089	Psomas
2091	Topographic Mapping	70 days	Tue 9/2/08	Mon 12/8/08	2089SS,2090SS	Psomas
2092	Boundary Survey	20 days	Tue 11/11/08	Mon 12/8/08	2091FF	Psomas
2093	Finalize Levee Survey	20 days	Tue 12/9/08	Mon 1/5/09	2092	Psomas
2094	Review Right of Way Take Lines	5 days	Fri 7/30/10	Thu 8/5/10	2137	Psomas
2095	Right of Way Strip Plats	10 days	Fri 8/6/10	Thu 8/19/10	2094	Psomas
2096	Plats and Legal Desc	15 days	Fri 8/20/10	Thu 9/9/10	2093,2095	Psomas
2097	Geotechnical	1128 days	Sun 1/1/06	Wed 4/28/10		
2098	Preliminary Borings and Lab Testing	33 days	Fri 2/15/08	Tue 4/1/08		Kleinfelder
2099	Problem Identification Report	0 days	Sun 1/1/06	Wed 2/1/06	2098SS	Kleinfelder
2100	Preliminary Geotechnical Alternatives Analysis	242 days	Sun 1/1/06	Tue 12/5/06	2099	Kleinfelder
2101	Design Borings and Lab Testing	65 days	Fri 8/1/08	Thu 10/30/08		Kleinfelder
2102	Draft Geotechnical Alternatives Analysis	35 days	Fri 10/31/08	Thu 12/18/08	2101	Kleinfelder
2103	Draft Geotechnical Basis of Design Report	30 days	Fri 1/15/10	Thu 2/25/10	2118FS+12 mons	Kleinfelder
2104	Geotechnical Data Report	56 days	Fri 10/31/08	Fri 1/16/09	2101	Kleinfelder
2105	Borrow Basis of Design Report	30 days	Fri 1/15/10	Thu 2/25/10	2118FS+12 mons	Kleinfelder
2106	Team Review	24 days	Fri 2/26/10	Wed 3/31/10	2103	Kleinfelder
2107	DWR & Corps Review	24 days	Fri 2/26/10	Wed 3/31/10	2103	DWR,CORPS
2108	Final Geotechnical Basis of Design Report	20 days	Thu 4/1/10	Wed 4/28/10	2106,2107	Kleinfelder
2109	Levee Improvement Design	597 days	Wed 10/1/08	Thu 1/13/11		HDR
2110	PRE-DESIGN	402 days	Wed 10/1/08	Thu 4/15/10		HDR
2111	Preliminary Project Features	74 days	Wed 10/1/08	Mon 1/12/09		HDR
2112	Preliminary Project Features and Footprints	52 days	Wed 10/1/08	Thu 12/11/08		HDR
2113	Preliminary Project Descriptions, Quantities, and Costs	22 days	Fri 12/12/08	Mon 1/12/09	2112	HDR
2114	Alternatives Analysis	60 days	Fri 12/19/08	Thu 3/12/09		HDR
2115	Prepare Draft Alternatives Analysis	20 days	Fri 12/19/08	Thu 1/15/09	2102	HDR
2116	Quality Control Internal Review	5 days	Fri 1/16/09	Thu 1/22/09	2115	HDR
2117	SAFCA, Team, & Agency Review	10 days	Fri 1/23/09	Thu 2/5/09	2116	SAFCA
2118	Check Point Meeting- Selection of Preferred Alternatives	1 day	Thu 2/12/09	Thu 2/12/09	2117	HDR
2119	Finalize Alternatives Analysis	20 days	Fri 2/13/09	Thu 3/12/09	2118	HDR
2120	Basis of Design	65 days	Fri 1/15/10	Thu 4/15/10		HDR



**SACRAMENTO AREA FLOOD CONTROL AGENCY
NATOMAS LEVEE IMPROVEMENT PROJECT**

MASTER SCHEDULE

Updated 10-23-08

ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2121	Draft Basis of Design Report	35 days	Fri 1/15/10	Thu 3/4/10	2118FS+12 mons	HDR
2122	Quality Control Internal Reviews	5 days	Fri 3/5/10	Thu 3/11/10	2121	HDR
2123	SAFCA, Team & Agency Review	10 days	Fri 3/12/10	Thu 3/25/10	2122	SAFCA
2124	Finalize Basis of Design Report	15 days	Fri 3/26/10	Thu 4/15/10	2123	HDR
2125	PLANS, SPECIFICATIONS AND ESTIMATES	260 days	Fri 1/15/10	Thu 1/13/11		HDR
2126	30 Percent PS&E	75 days	Fri 1/15/10	Thu 4/29/10		HDR
2127	Design Engineering and Drawings	45 days	Fri 1/15/10	Thu 3/18/10	2118FS+12 mons	HDR
2128	Quality Control Internal Review	10 days	Fri 3/19/10	Thu 4/1/10	2127	HDR
2129	SAFCA, Team, USACE & DWR Review	10 days	Fri 4/2/10	Thu 4/15/10	2128	SAFCA,DWR,CORPS
2130	OPCC	20 days	Fri 4/2/10	Thu 4/29/10		
2131	Prepare OPCC	10 days	Fri 4/2/10	Thu 4/15/10	2128	HDR
2132	Quality Control Internal Reviews	5 days	Fri 4/16/10	Thu 4/22/10	2131	HDR
2133	SAFCA and Team Review	5 days	Fri 4/23/10	Thu 4/29/10	2132	HDR
2134	60 Percent PS&E	90 days	Fri 4/23/10	Thu 8/26/10		HDR
2135	Design Engineering and Drawings	60 days	Fri 4/23/10	Thu 7/15/10	2132	HDR
2136	Technical Specifications (TOC)	25 days	Fri 6/11/10	Thu 7/15/10	2135FF	HDR
2137	Quality Control Internal Review	10 days	Fri 7/16/10	Thu 7/29/10	2136	HDR
2138	SAFCA, Team, & Agency Review	10 days	Fri 7/30/10	Thu 8/12/10	2137	SAFCA,DWR,CORPS
2139	OPCC	20 days	Fri 7/30/10	Thu 8/26/10		
2140	Prepare OPCC	10 days	Fri 7/30/10	Thu 8/12/10	2137	HDR
2141	Quality Control Internal Reviews	5 days	Fri 8/13/10	Thu 8/19/10	2140	HDR
2142	SAFCA and Team Review	5 days	Fri 8/20/10	Thu 8/26/10	2141	HDR
2143	90 Percent PS&E	70 days	Fri 7/30/10	Thu 11/4/10		HDR
2144	Design Engineering and Drawings	40 days	Fri 7/30/10	Thu 9/23/10	2137	HDR
2145	Specifications and Bid Documents	25 days	Fri 8/20/10	Thu 9/23/10	2144FF	HDR
2146	Quality Control Internal Review	10 days	Fri 9/24/10	Thu 10/7/10	2145	HDR
2147	SAFCA, Team, USACE & DWR Review	10 days	Fri 10/8/10	Thu 10/21/10	2146	SAFCA,DWR,CORPS
2148	OPCC	20 days	Fri 10/8/10	Thu 11/4/10		
2149	Prepare OPCC	10 days	Fri 10/8/10	Thu 10/21/10	2146	HDR
2150	Quality Control Internal Reviews	5 days	Fri 10/22/10	Thu 10/28/10	2149	HDR
2151	SAFCA and Team Review	5 days	Fri 10/29/10	Thu 11/4/10	2150	HDR
2152	100 Percent PS&E	45 days	Fri 10/22/10	Thu 12/23/10		HDR
2153	Plan Revisions	25 days	Fri 10/22/10	Thu 11/25/10	2147	HDR
2154	Complete Specifications and Bid Documents	20 days	Fri 10/29/10	Thu 11/25/10	2153FF	HDR
2155	Quality Control Internal Review	10 days	Fri 11/26/10	Thu 12/9/10	2154	HDR
2156	SAFCA and Team Back Check/Close Out	10 days	Fri 12/10/10	Thu 12/23/10	2155	SAFCA
2157	Submit Final P&S&E	10 days	Fri 12/24/10	Thu 1/6/11	2156	HDR
2158	Final OPCC	25 days	Fri 12/10/10	Thu 1/13/11		HDR
2159	Update OPCC	10 days	Fri 12/10/10	Thu 12/23/10	2155	HDR
2160	Quality Control Internal Reviews	5 days	Fri 12/24/10	Thu 12/30/10	2159	HDR
2161	SAFCA and Team Review	10 days	Fri 12/31/10	Thu 1/13/11	2160	HDR
2162	ENCROACHMENT COORDINATION	45 days	Fri 2/13/09	Thu 4/16/09		HDR
2163	Conflict Identification (Letter A & B)	20 days	Fri 2/13/09	Thu 3/12/09	2118	HDR
2164	Utility Relocation Coordination	25 days	Fri 3/13/09	Thu 4/16/09	2163	HDR
2165	BID OF LEVEE ELEMENTS	31 days	Fri 1/7/11	Fri 2/18/11		SAFCA
2166	Advertise Period	20 days	Fri 1/7/11	Thu 2/3/11	2157	SAFCA
2167	Pre-Bid Meeting	1 day	Tue 1/18/11	Tue 1/18/11	2166SS+7 days	SAFCA
2168	Bid Opening	1 day	Fri 2/4/11	Fri 2/4/11	2166	SAFCA
2169	SAFCA Evaluation	10 days	Mon 2/7/11	Fri 2/18/11	2168	SAFCA
2170	NEMDC West Levee (Sankey Rd. to Elkhorn Blvd.)	801 days	Tue 1/15/08	Tue 2/8/11		Wood Rodgers
2171	Survey	480 days	Tue 1/15/08	Mon 11/16/09		Psomas
2172	Field Survey	132 days	Thu 5/1/08	Fri 10/31/08		Psomas
2173	Aerial Photography and Surveys	121 days	Tue 1/15/08	Tue 7/1/08		Psomas
2174	Topographic Mapping	144 days	Tue 1/15/08	Fri 11/14/08	2172SS,2173SS	Psomas
2175	Boundary Survey	231 days	Tue 1/15/08	Tue 12/2/08		Psomas
2176	Finalize Levee Survey	15 days	Wed 12/3/08	Tue 12/23/08	2174,2175	Psomas
2177	Review Right of Way Take Lines	5 days	Tue 10/6/09	Mon 10/12/09	2222	Psomas
2178	Right of Way Strip Plats	10 days	Tue 10/13/09	Mon 10/26/09	2177	Psomas
2179	Plats and Legal Desc	15 days	Tue 10/27/09	Mon 11/16/09	2176,2178	Psomas
2180	Geotechnical	254 days	Fri 5/16/08	Wed 5/6/09		Kleinfelder
2181	Preliminary Borings and Lab Testing	56 days	Fri 5/16/08	Fri 8/1/08		Kleinfelder
2182	Problem Identification Report	131 days	Fri 5/16/08	Fri 11/14/08	2181SS	Kleinfelder
2183	Geotechnical Alternatives Analysis	21 days	Mon 11/17/08	Mon 12/15/08	2182	Kleinfelder
2184	Design Borings and Lab Testing	123 days	Fri 5/16/08	Tue 11/4/08	2182	Kleinfelder
2185	Geotechnical Data Report	18 days	Wed 11/5/08	Fri 11/28/08	2184	Kleinfelder
2186	Draft Geotechnical Basis of Design Report	73 days	Wed 11/5/08	Fri 2/13/09	2184	Kleinfelder
2187	Team Review	10 days	Mon 2/16/09	Fri 2/27/09	2186	SAFCA
2188	DWR & Corps Review	15 days	Mon 2/16/09	Fri 3/6/09	2186	DWR,CORPS
2189	Final Geotechnical Basis of Design Report	43 days	Mon 3/9/09	Wed 5/6/09	2187,2188	Kleinfelder
2190	Levee Improvement Design	511 days	Tue 12/16/08	Tue 11/30/10		Wood Rodgers
2191	PRE-DESIGN	124 days	Tue 12/16/08	Fri 6/5/09		Wood Rodgers
2192	Alternatives Analysis	91 days	Tue 12/16/08	Tue 4/21/09		Wood Rodgers
2193	Prepare Draft Alternatives Analysis	40 days	Tue 12/16/08	Mon 2/9/09	2183	Wood Rodgers
2194	SAFCA and Team Review	5 days	Tue 2/10/09	Mon 2/16/09	2193	Wood Rodgers
2195	Revisions and Back check	5 days	Tue 2/17/09	Mon 2/23/09	2194,1346	Wood Rodgers
2196	USACE & DWR Review	10 days	Tue 2/24/09	Mon 3/9/09	2195	Wood Rodgers
2197	Check Point Meeting- Selection of Preferred Alternatives	1 day	Tue 3/10/09	Tue 3/10/09	2196	Wood Rodgers
2198	Project Description, Footprint and Quantities for EIR/EIS	20 days	Wed 3/11/09	Tue 4/7/09	2197	Wood Rodgers
2199	Revise Alternatives Analysis	20 days	Wed 3/11/09	Tue 4/7/09	2197	Wood Rodgers
2200	SAFCA and Agency Review	10 days	Wed 4/8/09	Tue 4/21/09	2198,2199	Wood Rodgers
2201	Basis of Design	63 days	Tue 3/10/09	Fri 6/5/09		Wood Rodgers
2202	Draft Basis of Design Report	30 days	Tue 3/10/09	Thu 4/9/09	2197	Wood Rodgers
2203	Quality Control Internal Reviews	5 days	Fri 4/10/09	Thu 4/16/09	2202	Wood Rodgers
2204	SAFCA and Team Review	10 days	Fri 4/17/09	Thu 4/30/09	2203	Wood Rodgers
2205	Revisions and Back check	5 days	Fri 5/1/09	Thu 5/7/09	2204	Wood Rodgers
2206	USACE & DWR Review	10 days	Fri 5/8/09	Thu 5/21/09	2205	Wood Rodgers
2207	Check Point Meeting	1 day	Fri 5/22/09	Fri 5/22/09	2206	Wood Rodgers
2208	Finalize Basis of Design Report	10 days	Mon 5/25/09	Fri 6/5/09	2207	Wood Rodgers
2209	PLANS, SPECIFICATIONS AND ESTIMATES	431 days	Tue 4/7/09	Tue 11/30/10		Wood Rodgers
2210	30 Percent PS&E	105 days	Tue 4/7/09	Mon 8/31/09		Wood Rodgers
2211	Design Engineering and Drawings	60 days	Tue 4/7/09	Mon 6/29/09	2197SS+20 days	Wood Rodgers
2212	Cost Estimate	10 days	Tue 6/16/09	Mon 6/29/09	2211FF	Wood Rodgers
2213	Technical Specifications (TOC)	30 days	Tue 5/19/09	Mon 6/29/09	2211FF	Wood Rodgers
2214	Quality Control Internal Review	5 days	Tue 6/30/09	Mon 7/6/09	2213	Wood Rodgers
2215	SAFCA and Team Review	10 days	Tue 7/7/09	Mon 7/20/09	2214	Wood Rodgers
2216	Revisions and Back check	10 days	Tue 7/21/09	Mon 8/3/09	2215	Wood Rodgers
2217	USACE & DWR Review	20 days	Tue 8/4/09	Mon 8/31/09	2216	Wood Rodgers
2218	60 Percent PS&E	90 days	Tue 7/21/09	Mon 11/23/09		Wood Rodgers
2219	Design Engineering and Drawings	50 days	Tue 7/21/09	Mon 9/28/09	2215	Wood Rodgers
2220	Cost Estimate	10 days	Tue 9/15/09	Mon 9/28/09	2219FF	Wood Rodgers
2221	Technical Specifications (TOC)	30 days	Tue 8/18/09	Mon 9/28/09	2219FF	Wood Rodgers
2222	Quality Control Internal Review	5 days	Tue 9/29/09	Mon 10/5/09	2221	Wood Rodgers
2223	SAFCA and Team Review	10 days	Tue 10/6/09	Mon 10/19/09	2222	Wood Rodgers
2224	Revisions and Back check	5 days	Tue 10/20/09	Mon 10/26/09	2223	Wood Rodgers
2225	USACE & DWR Review	20 days	Tue 10/27/09	Mon 11/23/09	2224	Wood Rodgers
2226	90 Percent PS&E	85 days	Tue 6/1/10	Mon 9/27/10		Wood Rodgers



**SACRAMENTO AREA FLOOD CONTROL AGENCY
NATOMAS LEVEE IMPROVEMENT PROJECT**

MASTER SCHEDULE
Updated 10-23-08

ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2227	Design Engineering and Drawings	40 days	Tue 6/15/08	Mon 7/26/10		Wood Rodgers
2228	Cost Estimate	10 days	Tue 7/13/10	Mon 7/26/10	2227FF	Wood Rodgers
2229	Complete Specifications (TOC)	30 days	Tue 6/15/10	Mon 7/26/10	2227FF	Wood Rodgers
2230	Quality Control Internal Review	10 days	Tue 7/27/10	Mon 8/9/10	2229	Wood Rodgers
2231	SAFCA and Team Review	10 days	Tue 8/10/10	Mon 8/23/10	2230	Wood Rodgers
2232	Revisions and Back check	5 days	Tue 8/24/10	Mon 8/30/10	2231	Wood Rodgers
2233	USACE & DWR Review	20 days	Tue 8/31/10	Mon 9/27/10	2232	Wood Rodgers
2234	Final PS&E	46 days	Tue 9/28/10	Tue 11/30/10		Wood Rodgers
2235	Design Engineering and Drawings	20 days	Tue 9/28/10	Mon 10/25/10	2233	Wood Rodgers
2236	Cost Estimate	10 days	Tue 10/12/10	Mon 10/25/10	2235FF	Wood Rodgers
2237	Complete Specifications (TOC)	20 days	Tue 9/28/10	Mon 10/25/10	2235FF	Wood Rodgers
2238	Quality Control Internal Review	10 days	Tue 10/26/10	Mon 11/8/10	2237	Wood Rodgers
2239	SAFCA and Team Review	5 days	Tue 11/9/10	Mon 11/15/10	2238	Wood Rodgers
2240	Revisions and Back check	10 days	Tue 11/16/10	Mon 11/29/10	2239	Wood Rodgers
2241	Submit Final P&S&E	1 day	Tue 11/30/10	Tue 11/30/10	2240	Wood Rodgers
2242	ENCROACHMENT COORDINATION	120 days	Tue 6/30/09	Mon 12/14/09		Wood Rodgers
2243	Conflict Identification	6 mons	Tue 6/30/09	Mon 12/14/09	2211,1158FF	Wood Rodgers
2244	Utility Relocation Coordination	6 mons	Tue 6/30/09	Mon 12/14/09	2211	Wood Rodgers
2245	ROADWAY DESIGN AND COORDINATION & RELOCATION	120 days	Tue 6/30/09	Mon 12/14/09		Wood Rodgers
2246	Roadway Design	6 mons	Tue 6/30/09	Mon 12/14/09	2211	Wood Rodgers
2247	Agency Coordination	6 mons	Tue 6/30/09	Mon 12/14/09	2211	Wood Rodgers
2248	BID OF LEVEE ELEMENTS	21 days	Tue 1/11/11	Tue 2/8/11		SAFCA
2249	Advertise Period	20 days	Tue 1/11/11	Mon 2/7/11	2241,127.7	SAFCA
2250	Pre-Bid Meeting	1 day	Tue 1/18/11	Tue 1/18/11	2249SS+5 days	SAFCA
2251	Bid Opening	1 day	Tue 2/8/11	Tue 2/8/11	2249	SAFCA
2252	West Drainage Canal (Sac River Reach I-5 to 12B)	846 days	Fri 2/1/08	Fri 4/29/11		Mead & Hunt
2253	Survey	721 days	Fri 2/1/08	Fri 11/5/10		Psomas
2254	Field Survey	20 days	Fri 2/1/08	Thu 2/28/08		Psomas
2255	Aerial Photography and Surveys	25 days	Fri 2/1/08	Thu 3/6/08	2254SS	Psomas
2256	Topographic Mapping	76 days	Fri 2/1/08	Fri 5/16/08	2254SS	Psomas
2257	Boundary Survey	137 days	Mon 5/19/08	Tue 11/25/08	2256	Psomas
2258	Finalize Survey	137 days	Mon 5/19/08	Tue 11/25/08	2256	Psomas
2259	Review Right of Way Take Lines	8 days	Wed 9/8/10	Fri 9/17/10	2289	Psomas
2260	Right of Way Strip Plats	20 days	Mon 9/20/10	Fri 10/15/10	2259	Psomas
2261	Plats and Legal Desc	15 days	Mon 10/18/10	Fri 11/5/10	2258,2260	Psomas
2262	Geotechnical	135 days	Mon 8/11/08	Fri 2/13/09		Kleinfelder
2263	Design Borings and Lab Testing	80 days	Mon 8/11/08	Fri 11/28/08		Kleinfelder
2264	Draft Geotechnical Design Report	35 days	Mon 12/1/08	Fri 1/16/09	2263	Kleinfelder
2265	SAFCA and Agency Review	10 days	Mon 1/19/09	Fri 1/30/09	2264	SAFCA,DWR,CORPS
2266	Final Geotechnical Design Report	10 days	Mon 2/2/09	Fri 2/13/09	2265	Kleinfelder
2267	Canal Improvement Design	609 days	Wed 11/26/08	Mon 3/28/11		Mead & Hunt
2268	PRE-DESIGN	162 days	Wed 11/26/08	Thu 7/9/09		Mead & Hunt
2269	Project Description, Footprint and Quantities for EIR/EIS	32 days	Mon 1/19/09	Tue 3/3/09	2264	Mead & Hunt
2270	Basis of Design	162 days	Wed 11/26/08	Thu 7/9/09		Mead & Hunt
2271	Draft Basis of Design Report	121 days	Wed 11/26/08	Wed 5/13/09	2257	Mead & Hunt
2272	Quality Control Internal Reviews	5 days	Thu 5/14/09	Wed 5/20/09	2271	Mead & Hunt
2273	SAFCA and Team Review	10 days	Thu 5/21/09	Wed 6/3/09	2272	Mead & Hunt
2274	Revisions and Back check	5 days	Thu 6/4/09	Wed 6/10/09	2273	Mead & Hunt
2275	Stakeholder Review	10 days	Thu 6/11/09	Wed 6/24/09	2274	Mead & Hunt
2276	Check Point Meeting	1 day	Thu 6/25/09	Thu 6/25/09	2275	Mead & Hunt
2277	Finalize Basis of Design Report	10 days	Fri 6/26/09	Thu 7/9/09	2276	Mead & Hunt
2278	PLANS, SPECIFICATIONS AND ESTIMATES	483 days	Thu 5/21/09	Mon 3/28/11		Mead & Hunt
2279	30 Percent PS&E	159 days	Thu 5/21/09	Tue 12/29/09		Mead & Hunt
2280	Design Engineering and Drawings & Cost Estimate	129 days	Thu 5/21/09	Tue 11/17/09	2272	Mead & Hunt
2281	Technical Specifications (TOC)	20 days	Mon 9/28/09	Tue 11/17/09	2280FF	Mead & Hunt
2282	Quality Control Internal Review	5 days	Wed 11/18/09	Tue 11/24/09	2280	Mead & Hunt
2283	SAFCA and Team Review	10 days	Wed 11/25/09	Tue 12/8/09	2282	SAFCA
2284	Revisions and Back check	5 days	Wed 12/9/09	Tue 12/15/09	2283	Mead & Hunt
2285	Stakeholder Review	10 days	Wed 12/16/09	Tue 12/29/09	2284	Mead & Hunt
2286	60 Percent PS&E	220 days	Wed 12/9/09	Tue 10/12/10		Mead & Hunt
2287	Design Engineering and Drawings & Cost Estimate	190 days	Wed 12/9/09	Tue 8/31/10	2283	Mead & Hunt
2288	Technical Specifications (TOC)	10 days	Wed 8/18/10	Tue 8/31/10	2287FF	Mead & Hunt
2289	Quality Control Internal Review	5 days	Wed 9/1/10	Tue 9/7/10	2288	Mead & Hunt
2290	SAFCA and Team Review	10 days	Wed 9/8/10	Tue 9/21/10	2289	SAFCA
2291	Revisions and Back check	5 days	Wed 9/22/10	Tue 9/28/10	2290	Mead & Hunt
2292	Stakeholder Review	10 days	Wed 9/29/10	Tue 10/12/10	2291	Mead & Hunt
2293	90 Percent PS&E	70 days	Wed 9/22/10	Tue 12/28/10		Mead & Hunt
2294	Design Engineering and Drawings & Cost Estimate	35 days	Wed 9/22/10	Tue 11/9/10	2290	Mead & Hunt
2295	Technical Specifications (TOC)	10 days	Wed 10/27/10	Tue 11/9/10	2294FF	Mead & Hunt
2296	Quality Control Internal Review	10 days	Wed 11/10/10	Tue 11/23/10	2295	Mead & Hunt
2297	SAFCA and Team Review	5 days	Wed 11/24/10	Tue 11/30/10	2296	SAFCA
2298	Revisions and Back check	10 days	Wed 12/1/10	Tue 12/14/10	2297	Mead & Hunt
2299	Stakeholder Review	10 days	Wed 12/15/10	Tue 12/28/10	2298	Mead & Hunt
2300	100 percent PS&E	33 days	Wed 12/29/10	Fri 2/11/11		Mead & Hunt
2301	Design Engineering and Drawings & Cost Estimate	17 days	Wed 12/29/10	Thu 1/20/11	2299	Mead & Hunt
2302	Technical Specifications (TOC)	5 days	Fri 1/14/11	Thu 1/20/11	2301FF	Mead & Hunt
2303	Quality Control Internal Review	5 days	Fri 1/21/11	Thu 1/27/11	2302	Mead & Hunt
2304	SAFCA and Team Review	5 days	Fri 1/28/11	Thu 2/3/11	2303	SAFCA
2305	Revisions and Back check	5 days	Fri 2/4/11	Thu 2/10/11	2304	Mead & Hunt
2306	Stakeholder Review	1 day	Fri 2/11/11	Fri 2/11/11	2305	Mead & Hunt
2307	Final PS&E	31 days	Mon 2/14/11	Mon 3/28/11		Mead & Hunt
2308	Design Engineering and Drawings & Cost Estimate	15 days	Mon 2/14/11	Fri 3/4/11	2306	Mead & Hunt
2309	Technical Specifications (TOC)	5 days	Mon 2/28/11	Fri 3/4/11	2308FF	Mead & Hunt
2310	Quality Control Internal Review	5 days	Mon 3/7/11	Fri 3/11/11	2309	Mead & Hunt
2311	SAFCA and Team Review	5 days	Mon 3/14/11	Fri 3/18/11	2310	SAFCA
2312	Revisions and Back check	5 days	Mon 3/21/11	Fri 3/25/11	2311	Mead & Hunt
2313	Submit Final P&S&E	1 day	Mon 3/28/11	Mon 3/28/11	2312	Mead & Hunt
2314	UTILITY/ROADWAY DESIGN AND COORDINATION & RELOCATION	120 days	Wed 11/18/09	Tue 5/4/10		Mead & Hunt
2315	Utility/Roadway Design	6 mons	Wed 11/18/09	Tue 5/4/10	2280	Mead & Hunt
2316	Agency Coordination	6 mons	Wed 11/18/09	Tue 5/4/10	2280	Mead & Hunt
2317	BID OF CANAL, ROADWAY, & RELOCATION ELEMENTS	24 days	Tue 3/29/11	Fri 4/29/11		SAFCA
2318	Advertise Period	23 days	Tue 3/29/11	Thu 4/28/11	2313	SAFCA
2319	Pre-Bid Meeting	4 days	Tue 4/5/11	Fri 4/8/11	2318SS+5 days	SAFCA
2320	Bid Opening	1 day	Fri 4/29/11	Fri 4/29/11	2318	SAFCA
2321	Riverside Irrigation Canal (12A to 18B)	559 days	Fri 2/1/08	Wed 3/24/10		Mead & Hunt
2322	Survey	440 days	Fri 2/1/08	Thu 10/8/09		Psomas
2323	Field Survey	76 days	Fri 2/1/08	Fri 5/16/08		Psomas
2324	Aerial Photography and Surveys	22 days	Fri 2/1/08	Mon 3/3/08	2323SS	Psomas
2325	Topographic Mapping	197 days	Wed 2/6/08	Thu 11/6/08	2323SS	Psomas
2326	Boundary Survey	17 days	Fri 11/7/08	Mon 12/1/08	2325	Psomas
2327	Finalize Survey	17 days	Fri 11/7/08	Mon 12/1/08	2325	Psomas
2328	Review Right of Way Take Lines	11 days	Tue 9/8/09	Tue 9/22/09	2357	Psomas
2329	Right of Way Strip Plats	5 days	Wed 9/23/09	Tue 9/29/09	2328	Psomas
2330	Plats and Legal Desc	7 days	Wed 9/30/09	Thu 10/8/09	2327,2329	Psomas
2331	Geotechnical	187 days	Mon 6/16/08	Tue 3/3/09		Kleinfelder
2332	Design Borings and Lab Testing	120 days	Mon 6/16/08	Fri 11/28/08		Kleinfelder



**SACRAMENTO AREA FLOOD CONTROL AGENCY
NATOMAS LEVEE IMPROVEMENT PROJECT**

MASTER SCHEDULE
Updated 10-23-08

ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2333	Draft Geotechnical Recommendations	25 days	Mon 12/1/08	Fri 1/2/09	2332	Kleinfelder
2334	SAFCA and Agency Review	10 days	Mon 1/5/09	Fri 1/16/09	2333	SAFCA
2335	Final Geotechnical Recommendations	32 days	Mon 1/19/09	Tue 3/3/09	2334	Kleinfelder
2336	Canal Improvement Design	321 days	Tue 12/2/08	Tue 2/23/10		Mead & Hunt
2337	PRE-DESIGN	131 days	Tue 12/2/08	Tue 6/2/09		Mead & Hunt
2338	Basis of Design	131 days	Tue 12/2/08	Tue 6/2/09		Mead & Hunt
2339	Draft Basis of Design Report	90 days	Tue 12/2/08	Mon 4/6/09	2326	Mead & Hunt
2340	Quality Control Internal Reviews	5 days	Tue 4/7/09	Mon 4/13/09	2339	Mead & Hunt
2341	SAFCA and Team Review	10 days	Tue 4/14/09	Mon 4/27/09	2340	SAFCA
2342	Revisions and Back check	5 days	Tue 4/28/09	Mon 5/4/09	2341	Mead & Hunt
2343	Stakeholder Review	10 days	Tue 5/5/09	Mon 5/18/09	2342	Mead & Hunt
2344	Check Point Meeting	1 day	Tue 5/19/09	Tue 5/19/09	2343	Mead & Hunt
2345	Finalize Basis of Design Report	10 days	Wed 5/20/09	Tue 6/2/09	2344	Mead & Hunt
2346	PLANS, SPECIFICATIONS AND ESTIMATES	226 days	Tue 4/14/09	Tue 2/23/10		Mead & Hunt
2347	30 Percent PS&E	90 days	Tue 4/14/09	Mon 8/17/09		Mead & Hunt
2348	Design Engineering and Drawings & Cost Estimate	60 days	Tue 4/14/09	Mon 7/6/09	2340	Mead & Hunt
2349	Technical Specifications (TOC)	17 days	Fri 6/12/09	Mon 7/6/09	2348FF	Mead & Hunt
2350	Quality Control Internal Review	5 days	Tue 7/7/09	Mon 7/13/09	2348	Mead & Hunt
2351	SAFCA and Team Review	10 days	Tue 7/14/09	Mon 7/27/09	2350	SAFCA
2352	Revisions and Back check	5 days	Tue 7/28/09	Mon 8/3/09	2351	Mead & Hunt
2353	Stakeholder Review	10 days	Tue 8/4/09	Mon 8/17/09	2352	Mead & Hunt
2354	60 Percent PS&E	70 days	Tue 7/7/09	Mon 10/12/09		Mead & Hunt
2355	Design Engineering and Drawings & Cost Estimate	40 days	Tue 7/7/09	Mon 8/31/09	2349	Mead & Hunt
2356	Technical Specifications (TOC)	10 days	Tue 8/18/09	Mon 8/31/09	2355FF	Mead & Hunt
2357	Quality Control Internal Review	5 days	Tue 9/1/09	Mon 9/7/09	2356	Mead & Hunt
2358	SAFCA and Team Review	10 days	Tue 9/8/09	Mon 9/21/09	2357	SAFCA
2359	Revisions and Back check	5 days	Tue 9/22/09	Mon 9/28/09	2358	Mead & Hunt
2360	Stakeholder Review	10 days	Tue 9/29/09	Mon 10/12/09	2359	Mead & Hunt
2361	90 Percent PS&E	65 days	Tue 9/8/09	Mon 12/7/09		Mead & Hunt
2362	Design Engineering and Drawings & Cost Estimate	30 days	Tue 9/8/09	Mon 10/19/09	2357	Mead & Hunt
2363	Technical Specifications (TOC)	10 days	Tue 10/6/09	Mon 10/19/09	2362FF	Mead & Hunt
2364	Quality Control Internal Review	10 days	Tue 10/20/09	Mon 11/2/09	2363	Mead & Hunt
2365	SAFCA and Team Review	5 days	Tue 11/3/09	Mon 11/9/09	2364	Mead & Hunt
2366	Revisions and Back check	10 days	Tue 11/10/09	Mon 11/23/09	2365	Mead & Hunt
2367	Stakeholder Review	10 days	Tue 11/24/09	Mon 12/7/09	2366	Mead & Hunt
2368	100 percent PS&E	56 days	Tue 11/3/09	Tue 1/19/10		Mead & Hunt
2369	Design Engineering and Drawings & Cost Estimate	30 days	Tue 11/3/09	Mon 12/14/09	2364	Mead & Hunt
2370	Technical Specifications (TOC)	10 days	Tue 12/1/09	Mon 12/14/09	2369FF	SAFCA
2371	Quality Control Internal Review	10 days	Tue 12/15/09	Mon 12/28/09	2370	Mead & Hunt
2372	SAFCA and Team Review	5 days	Tue 12/29/09	Mon 1/4/10	2371	SAFCA
2373	Revisions and Back check	10 days	Tue 1/5/10	Mon 1/18/10	2372	Mead & Hunt
2374	Stakeholder Review	1 day	Tue 1/19/10	Tue 1/19/10	2373	Mead & Hunt
2375	Final PS&E	41 days	Tue 12/29/09	Tue 2/23/10		Mead & Hunt
2376	Design Engineering and Drawings & Cost Estimate	15 days	Tue 12/29/09	Mon 1/18/10	2371	Mead & Hunt
2377	Technical Specifications (TOC)	10 days	Tue 1/5/10	Mon 1/18/10	2376FF	Mead & Hunt
2378	Quality Control Internal Review	10 days	Tue 1/19/10	Mon 2/1/10	2377	Mead & Hunt
2379	SAFCA and Team Review	5 days	Tue 2/2/10	Mon 2/8/10	2378	SAFCA
2380	Revisions and Back check	10 days	Tue 2/9/10	Mon 2/22/10	2379	Mead & Hunt
2381	Submit Final P&S&E	1 day	Tue 2/23/10	Tue 2/23/10	2380	Mead & Hunt
2382	UTILITY/ROADWAY DESIGN AND COORDINATION & RELOCATION	120 days	Tue 7/7/09	Mon 12/21/09		Mead & Hunt
2383	Utility/Roadway Design	6 mons	Tue 7/7/09	Mon 12/21/09	2348	Mead & Hunt
2384	Agency Coordination	6 mons	Tue 7/7/09	Mon 12/21/09	2348	Mead & Hunt
2385	BID OF CANAL, ROADWAY, & RELOCATION ELEMENTS	21 days	Wed 2/24/10	Wed 3/24/10		SAFCA
2386	Advertise Period	20 days	Wed 2/24/10	Tue 3/23/10	2381,97	SAFCA
2387	Pre-Bid Meeting	1 day	Wed 3/3/10	Wed 3/3/10	2386SS+5 days	SAFCA
2388	Bid Opening	1 day	Wed 3/24/10	Wed 3/24/10	2386	SAFCA
2389	Borrow Site (Fisherman's Lake)	975 days	Mon 5/1/06	Fri 1/22/10		Mead & Hunt
2390	Survey	652 days	Mon 5/1/06	Tue 10/28/08		Psomas
2391	Field Survey	20 days	Mon 5/1/06	Fri 5/26/06		Psomas
2392	Aerial Photography & Surveys	20 days	Tue 1/1/08	Mon 1/28/08	2391	Psomas
2393	Topographic Mapping	95 days	Tue 1/1/08	Mon 5/12/08	2391	Psomas
2394	Boundary Survey	131 days	Fri 2/29/08	Tue 10/28/08	2392,2393	Psomas
2395	Project Description, Footprint and Quantities for EIR/EIS	107 days	Mon 12/15/08	Tue 5/12/09	2405	Mead & Hunt
2396	Geotechnical investigations	125 days	Mon 6/23/08	Fri 12/12/08		Kleinfelder
2397	AKT - Borrow Site Test Pit Program and Lab Testing	68 days	Mon 6/23/08	Wed 9/24/08		Kleinfelder
2398	AKT - Filed and Lab Results/GDR	8 days	Thu 9/25/08	Mon 10/6/08	2397	Kleinfelder
2399	Novak - Borings / Test Pits / Labs	17 days	Mon 9/8/08	Tue 9/30/08		Kleinfelder
2400	Novak - Filed and Lab Results / GDR	18 days	Wed 10/1/08	Fri 10/24/08	2399	Kleinfelder
2401	So. Sutter - Borings / Test Pits / Labs	11 days	Tue 9/16/08	Tue 9/30/08		Kleinfelder
2402	So. Sutter - Filed and Lab Results / GDR	15 days	Mon 11/3/08	Fri 11/21/08		Kleinfelder
2403	So. Sutter - Remaining Inaccessible Borings	15 days	Mon 11/24/08	Fri 12/12/08	2402	Kleinfelder
2404	Natomas Boot - Filed and Lab Results / GDR	15 days	Mon 11/3/08	Fri 11/21/08		Kleinfelder
2405	Natomas Boot - Borings / Test Pits / Labs	15 days	Mon 11/24/08	Fri 12/12/08	2404	Kleinfelder
2406	Prepare 30% Design Submittal	97 days	Wed 5/13/09	Thu 9/24/09		Mead & Hunt
2407	Design	60 days	Wed 5/13/09	Tue 8/4/09	2395	Mead & Hunt
2408	QC Internal Review	5 days	Wed 8/5/09	Tue 8/11/09	2407	Mead & Hunt
2409	SAFCA and Team Review	7 days	Wed 8/12/09	Thu 8/20/09	2408	SAFCA
2410	Revisions and Back check	5 days	Fri 8/21/09	Thu 8/27/09	2409	Mead & Hunt
2411	USACE, DWR, Stakeholder Review	20 days	Fri 8/28/09	Thu 9/24/09	2410	DWR,CORPS
2412	Prepare 60% Design Submittal	77 days	Wed 8/12/09	Thu 11/26/09		Mead & Hunt
2413	Design	40 days	Wed 8/12/09	Tue 10/6/09	301,2408	Mead & Hunt
2414	QC Internal Review	5 days	Wed 10/7/09	Tue 10/13/09	2413	Mead & Hunt
2415	SAFCA and Team Review	7 days	Wed 10/14/09	Thu 10/22/09	2414	SAFCA
2416	Revisions and Back check	5 days	Fri 10/23/09	Thu 10/29/09	2415	Mead & Hunt
2417	USACE, DWR, Stakeholder Review	20 days	Fri 10/30/09	Thu 11/26/09	2416	DWR,CORPS
2418	Prepare 90% Design Submittal	60 days	Wed 10/14/09	Tue 1/5/10		Mead & Hunt
2419	Design	30 days	Wed 10/14/09	Tue 11/24/09	2414	Mead & Hunt
2420	QC Internal Review	5 days	Wed 11/25/09	Tue 12/1/09	2419	Mead & Hunt
2421	SAFCA and Team Review	10 days	Wed 12/2/09	Tue 12/15/09	2420	SAFCA
2422	Revisions and Back check	5 days	Wed 12/16/09	Tue 12/22/09	2421	Mead & Hunt
2423	USACE, DWR, Stakeholder Review	10 days	Wed 12/23/09	Tue 1/5/10	2422	DWR,CORPS
2424	Prepare 100% Design Submittal	38 days	Wed 12/2/09	Fri 1/22/10		Mead & Hunt
2425	Design	10 days	Wed 12/2/09	Tue 12/15/09	2420	Mead & Hunt
2426	QC Internal Review	5 days	Wed 12/16/09	Tue 12/22/09	2425	Mead & Hunt
2427	SAFCA and Team Review	8 days	Wed 12/23/09	Fri 1/1/10	2426	SAFCA
2428	Incorporate comments	5 days	Mon 1/4/10	Fri 1/8/10	2427	Mead & Hunt
2429	USACE & DWR Review	10 days	Mon 1/11/10	Fri 1/22/10	2428	DWR,CORPS
2430	Construction	1118 days	Thu 6/19/08	Mon 10/1/12		
2431	NCC South - Phase 1B	112 days	Thu 6/19/08	Fri 11/21/08		
2432	Award Contract	8 days	Thu 6/19/08	Mon 6/30/08		SAFCA
2433	SAFCA Board Award Construction Contractor	1 day	Thu 6/19/08	Thu 6/19/08	1178	SAFCA
2434	10 Day Period for Return of Contract and Bonds	10.38 edays	Thu 6/19/08	Sun 6/29/08	2433	SAFCA
2435	Issue Construction NTP	1 day	Mon 6/30/08	Mon 6/30/08	2434	SAFCA
2436	Construction	104 days	Tue 7/1/08	Fri 11/21/08		
2437	Mobilization	10 days	Tue 7/1/08	Mon 7/14/08	2435	Wood Rodgers
2438	Clearing and Grubbing/Stripping	5 days	Tue 7/15/08	Mon 7/21/08	2437	Wood Rodgers



**SACRAMENTO AREA FLOOD CONTROL AGENCY
NATOMAS LEVEE IMPROVEMENT PROJECT**

MASTER SCHEDULE
Updated 10-23-08

ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2439	Construct Levee Improvements	74 days	Tue 7/22/08	Fri 10/31/08	2438	Wood Rodgers
2440	Finish site and grading work	5 days	Mon 11/3/08	Fri 11/7/08	2439	Wood Rodgers
2441	Restoration	10 days	Mon 11/10/08	Fri 11/21/08	2440	Wood Rodgers
2442	Relocations for Sac River - Phase 2 (Reaches 1-4A)	85 days	Mon 11/17/08	Fri 3/13/09		
2443	Award Contract	1 day	Mon 11/17/08	Mon 11/17/08		SAFCA
2444	PG&E Begins Construction	1 day	Mon 11/17/08	Mon 11/17/08		SAFCA
2445	Construction	84 days	Tue 11/18/08	Fri 3/13/09		
2446	Mobilization	10 days	Tue 11/18/08	Mon 12/1/08	2444	
2447	Clearing and Grubbing/Stripping	5 days	Tue 12/2/08	Mon 12/8/08	2446	
2448	Relocate Utilities	54 days	Tue 12/9/08	Fri 2/20/09	2447	
2449	Finish site and grading work	5 days	Mon 2/23/09	Fri 2/27/09	2448	
2450	Restoration	10 days	Mon 3/2/09	Fri 3/13/09	2449	
2451	Pritchard Lake Pumping Plant Pipe Replacement (Irrigation)	177 days	Thu 3/19/09	Fri 11/20/09		
2452	Award Contract	8 days	Thu 3/19/09	Mon 3/30/09		SAFCA
2453	SAFCA Board Award Construction Contractor	1 day	Thu 3/19/09	Thu 3/19/09	1371,63	SAFCA
2454	10 Day Period for Return of Contract and Bonds	10 edays	Thu 3/19/09	Sun 3/29/09	2453	SAFCA
2455	Issue Construction NTP	1 day	Mon 3/30/09	Mon 3/30/09	2454	SAFCA
2456	Construction	169 days	Tue 3/31/09	Fri 11/20/09		
2457	Mobilization	10 days	Tue 3/31/09	Mon 4/13/09	2455,178	
2458	Construct Improvements	143 days	Wed 4/15/09	Fri 10/30/09		
2459	Finish site and grading work	5 days	Mon 11/2/09	Fri 11/6/09	2458	
2460	Restoration	10 days	Mon 11/9/09	Fri 11/20/09	2459	
2461	Natomas Cross Canal - Phase 2	437 days	Thu 3/19/09	Fri 11/19/10		
2462	Award Contract	8 days	Thu 3/19/09	Mon 3/30/09		SAFCA
2463	SAFCA Board Award Construction Contractor	1 day	Thu 3/19/09	Thu 3/19/09	246,1023,175,148,141,162	SAFCA
2464	10 Day Period for Return of Contract and Bonds	10 edays	Thu 3/19/09	Sun 3/29/09	2463	SAFCA
2465	Issue Construction NTP	1 day	Mon 3/30/09	Mon 3/30/09	2464	SAFCA
2466	Construction	429 days	Tue 3/31/09	Fri 11/19/10		
2467	Mobilization	10 days	Tue 3/31/09	Mon 4/13/09	2465	
2468	Clearing and Grubbing/Stripping	5 days	Tue 4/14/09	Mon 4/20/09	2467	
2469	Construct Levee Improvements	399 days	Tue 4/21/09	Fri 10/29/10	2468	
2470	Finish site and grading work	5 days	Mon 11/1/10	Fri 11/5/10	2469	
2471	Restoration	10 days	Mon 11/8/10	Fri 11/19/10	2470	
2472	Sac R East Levee - Phase 2 (Reaches 1-4A)	437 days	Fri 3/20/09	Mon 11/22/10		
2473	Award Contract	8 days	Fri 3/20/09	Tue 3/31/09		SAFCA
2474	SAFCA Board Award Construction Contractor	1 day	Fri 3/20/09	Fri 3/20/09	023,162,175,148,141,132E	SAFCA
2475	10 Day Period for Return of Contract and Bonds	10 edays	Fri 3/20/09	Mon 3/30/09	2474	SAFCA
2476	Issue Construction NTP	1 day	Tue 3/31/09	Tue 3/31/09	2475	SAFCA
2477	Construction	429 days	Wed 4/1/09	Mon 11/22/10		
2478	Mobilization	10 days	Wed 4/1/09	Tue 4/14/09	2476	
2479	Clearing and Grubbing/Stripping	5 days	Wed 4/15/09	Tue 4/21/09	2478	
2480	Construct Levee Improvements	399 days	Wed 4/22/09	Mon 11/1/10	2479	
2481	Finish site and grading work	5 days	Tue 11/2/10	Mon 11/8/10	2480	
2482	Restoration	10 days	Tue 11/9/10	Mon 11/22/10	2481	
2483	Sac R East Levee - Phase 3 (Reaches 4B to 9B)	374 days	Tue 6/30/09	Fri 12/3/10		
2484	Award Contract	10 days	Tue 6/30/09	Mon 7/13/09		SAFCA
2485	SAFCA Board Award Construction Contractor	1 day	Tue 6/30/09	Tue 6/30/09	056,298,277,284,318,149E	SAFCA
2486	10 Day Period for Return of Contract and Bonds	10 edays	Tue 6/30/09	Fri 7/10/09	2485	SAFCA
2487	Issue Construction NTP	1 day	Mon 7/13/09	Mon 7/13/09	2486	SAFCA
2488	Construction	364 days	Tue 7/14/09	Fri 12/3/10		
2489	Mobilization	10 days	Tue 7/14/09	Mon 7/27/09	2487	
2490	Clearing and Grubbing/Stripping	5 days	Tue 7/28/09	Mon 8/3/09	2489	
2491	Construct Levee Improvements	334 days	Tue 8/4/09	Fri 11/12/10	2490	
2492	Finish site and grading work	5 days	Mon 11/15/10	Fri 11/19/10	2491	
2493	Restoration	10 days	Mon 11/22/10	Fri 12/3/10	2492	
2494	Elkhorn Irrigation Canal and GGS/Drainage Canal - Phase 3 (Sac R East Reaches 4B to 9B)	382 days	Thu 4/16/09	Fri 10/1/10		
2495	Award Contract	8 days	Thu 4/16/09	Mon 4/27/09		SAFCA
2496	SAFCA Board Award Construction Contractor	1 day	Thu 4/16/09	Thu 4/16/09	404,141,148,162,175,102E	SAFCA
2497	10 Day Period for Return of Contract and Bonds	10 edays	Thu 4/16/09	Sun 4/26/09	2496	SAFCA
2498	Issue Construction NTP	1 day	Mon 4/27/09	Mon 4/27/09	2497	SAFCA
2499	Construction	374 days	Tue 4/28/09	Fri 10/1/10		
2500	Mobilization	10 days	Tue 4/28/09	Mon 5/11/09	2498	
2501	Clearing and Grubbing/Stripping	5 days	Tue 5/12/09	Mon 5/18/09	2500	
2502	Construct Canals	344 days	Tue 5/19/09	Fri 9/10/10	2501	
2503	Finish site and grading work	5 days	Mon 9/13/10	Fri 9/17/10	2502	
2504	Restoration	10 days	Mon 9/20/10	Fri 10/1/10	2503	
2505	Pumping Plant #2 - Phase 2 (Internal Drainage)	121 days	Thu 9/17/09	Thu 3/4/10		
2506	Award Contract	8 days	Thu 9/17/09	Mon 9/28/09		SAFCA
2507	SAFCA Board Award Construction Contractor	1 day	Thu 9/17/09	Thu 9/17/09	98,277,284,318,1056,179E	SAFCA
2508	10 Day Period for Return of Contract and Bonds	10 edays	Thu 9/17/09	Sun 9/27/09	2507	SAFCA
2509	Issue Construction NTP	1 day	Mon 9/28/09	Mon 9/28/09	2508	SAFCA
2510	Construction	113 days	Tue 9/29/09	Thu 3/4/10		
2511	Mobilization	10 days	Tue 9/29/09	Mon 10/12/09	2509	
2512	Construct Improvements	88 days	Tue 10/13/09	Thu 2/11/10	2511	
2513	Finish site and grading work	5 days	Fri 2/12/10	Thu 2/18/10	2512	
2514	Restoration	10 days	Fri 2/19/10	Thu 3/4/10	2513	
2515	Natomas Cross Canal (NMWC Pump Station Decommissioning)	198 days	Thu 2/17/11	Mon 11/21/11		
2516	Award Contract	8 days	Thu 2/17/11	Mon 2/28/11		SAFCA
2517	SAFCA Board Award Construction Contractor	1 day	Thu 2/17/11	Thu 2/17/11	1246,175,148,141,351,162	SAFCA
2518	10 Day Period for Return of Contract and Bonds	10 edays	Thu 2/17/11	Sun 2/27/11	2517	SAFCA
2519	Issue Construction NTP	1 day	Mon 2/28/11	Mon 2/28/11	2518	SAFCA
2520	Construction	190 days	Tue 3/1/11	Mon 11/21/11		
2521	Mobilization	10 days	Tue 3/1/11	Mon 3/14/11	2519	
2522	Clearing and Grubbing/Stripping	5 days	Tue 3/15/11	Mon 3/21/11	2521	
2523	Construct Levee Improvements	142 days	Fri 4/15/11	Mon 10/31/11	2522	
2524	Finish site and grading work	5 days	Tue 11/1/11	Mon 11/7/11	2523	
2525	Restoration	10 days	Tue 11/8/11	Mon 11/21/11	2524	
2526	PGCC - Phase 3	269 days	Tue 11/10/09	Fri 11/19/10		
2527	Award Contract	10 days	Tue 11/10/09	Mon 11/23/09		SAFCA
2528	SAFCA Board Award Construction Contractor	1 day	Tue 11/10/09	Tue 11/10/09	1056,298,277,284,318,351	SAFCA
2529	10 Day Period for Return of Contract and Bonds	10 edays	Tue 11/10/09	Fri 11/20/09	2528	SAFCA
2530	Issue Construction NTP	1 day	Mon 11/23/09	Mon 11/23/09	2529	SAFCA
2531	Construction	259 days	Tue 11/24/09	Fri 11/19/10		
2532	Mobilization	10 days	Tue 11/24/09	Mon 12/7/09	2530	
2533	Clearing and Grubbing/Stripping	5 days	Tue 12/8/09	Mon 12/14/09	2532	
2534	Construct Levee Improvements	142 days	Thu 4/12/10	Fri 10/29/10	2533	
2535	Finish site and grading work	5 days	Mon 11/1/10	Fri 11/5/10	2534	
2536	Restoration	10 days	Mon 11/8/10	Fri 11/19/10	2535	
2537	Sac R East Levee - Phase 4 (Reaches 10-15)	172 days	Mon 2/22/10	Tue 10/19/10		
2538	Award Contract	10 days	Mon 2/22/10	Fri 3/5/10		SAFCA
2539	SAFCA Board Award Construction Contractor	1 day	Mon 2/22/10	Mon 2/22/10	389,1124,368,375,406,35E	SAFCA
2540	10 Day Period for Return of Contract and Bonds	10 edays	Mon 2/22/10	Thu 3/4/10	2539	SAFCA
2541	Issue Construction NTP	1 day	Fri 3/5/10	Fri 3/5/10	2540	SAFCA
2542	Construction	162 days	Mon 3/8/10	Tue 10/19/10		
2543	Mobilization	10 days	Mon 3/8/10	Fri 3/19/10	2541	
2544	Clearing and Grubbing/Stripping	5 days	Mon 3/22/10	Fri 3/26/10	2543	



**SACRAMENTO AREA FLOOD CONTROL AGENCY
NATOMAS LEVEE IMPROVEMENT PROJECT**

MASTER SCHEDULE
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ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2545	Construct Levee Improvements	119 days	Thu 4/13/10	Tue 9/28/10	2544	
2546	Finish site and grading work	5 days	Wed 9/29/10	Tue 10/5/10	2545	
2547	Restoration	10 days	Wed 10/6/10	Tue 10/19/10	2546	
2548	Riverside Irrigation Canal - Phase 4 (12A to 18B)	137 days	Thu 3/25/10	Fri 10/1/10		
2549	Award Contract	8 days	Thu 3/25/10	Mon 4/5/10		SAFCA
2550	SAFCA Board Award Construction Contractor	1 day	Thu 3/25/10	Thu 3/25/10	89,1124,368,375,406,238E	SAFCA
2551	10 Day Period for Return of Contract and Bonds	10 edays	Thu 3/25/10	Sun 4/4/10	2550	SAFCA
2552	Issue Construction NTP	1 day	Mon 4/5/10	Mon 4/5/10	2551	SAFCA
2553	Construction	129 days	Tue 4/6/10	Fri 10/1/10		
2554	Mobilization	10 days	Tue 4/6/10	Mon 4/19/10	2552	
2555	Clearing and Grubbing/Stripping	5 days	Tue 4/20/10	Mon 4/26/10	2554	
2556	Construct Canal Improvements	95 days	Mon 5/3/10	Fri 9/10/10		
2557	Finish site and grading work	5 days	Mon 9/13/10	Fri 9/17/10	2556	
2558	Restoration	10 days	Mon 9/20/10	Fri 10/1/10	2557	
2559	Sac R East Levee - Phase 4 (Reaches 16-20)	196 days	Mon 2/21/11	Mon 11/21/11		
2560	Award Contract	10 days	Mon 2/21/11	Fri 3/4/11		SAFCA
2561	SAFCA Board Award Construction Contractor	1 day	Mon 2/21/11	Mon 2/21/11	7,2169	SAFCA
2562	10 Day Period for Return of Contract and Bonds	10 edays	Mon 2/21/11	Thu 3/3/11	2561	SAFCA
2563	Issue Construction NTP	1 day	Fri 3/4/11	Fri 3/4/11	2562	SAFCA
2564	Construction	186 days	Mon 3/7/11	Mon 11/21/11		
2565	Mobilization	10 days	Mon 3/7/11	Fri 3/18/11	2563	
2566	Clearing and Grubbing/Stripping	5 days	Mon 3/21/11	Fri 3/25/11	2565	
2567	Construct Levee Improvements	142 days	Fri 4/15/11	Mon 10/31/11	2566	
2568	Finish site and grading work	5 days	Tue 11/1/11	Mon 11/7/11	2567	
2569	Restoration	10 days	Tue 11/8/11	Mon 11/21/11	2568	
2570	American River Levee - Phase 4	204 days	Wed 2/9/11	Mon 11/21/11		
2571	Award Contract	9 days	Wed 2/9/11	Mon 2/21/11		SAFCA
2572	SAFCA Board Award Construction Contractor	1 day	Wed 2/9/11	Wed 2/9/11	389,1124,368,375,406,35E	SAFCA
2573	10 Day Period for Return of Contract and Bonds	10 edays	Wed 2/9/11	Sat 2/19/11	2572	SAFCA
2574	Issue Construction NTP	1 day	Mon 2/21/11	Mon 2/21/11	2573	SAFCA
2575	Construction	195 days	Tue 2/22/11	Mon 11/21/11		
2576	Mobilization	10 days	Tue 2/22/11	Mon 3/7/11	2574	
2577	Clearing and Grubbing/Stripping	5 days	Tue 3/8/11	Mon 3/14/11	2576	
2578	Construct Levee Improvements	142 days	Fri 4/15/11	Mon 10/31/11	2577	
2579	Finish site and grading work	5 days	Tue 11/1/11	Mon 11/7/11	2578	
2580	Restoration	10 days	Tue 11/8/11	Mon 11/21/11	2579	
2581	NEMDC West Levee - Phase 4 (Sankey Rd. to Elkhorn Blvd.)	204 days	Wed 2/9/11	Mon 11/21/11		
2582	Award Contract	9 days	Wed 2/9/11	Mon 2/21/11		SAFCA
2583	SAFCA Board Award Construction Contractor	1 day	Wed 2/9/11	Wed 2/9/11	251,389,1124,368,375,40E	SAFCA
2584	10 Day Period for Return of Contract and Bonds	10 edays	Wed 2/9/11	Sat 2/19/11	2583	SAFCA
2585	Issue Construction NTP	1 day	Mon 2/21/11	Mon 2/21/11	2584	SAFCA
2586	Construction	195 days	Tue 2/22/11	Mon 11/21/11		
2587	Mobilization	10 days	Tue 2/22/11	Mon 3/7/11	2585	
2588	Clearing and Grubbing/Stripping	5 days	Tue 3/8/11	Mon 3/14/11	2587	
2589	Construct Levee Improvements	142 days	Fri 4/15/11	Mon 10/31/11	2588	
2590	Finish site and grading work	5 days	Tue 11/1/11	Mon 11/7/11	2589	
2591	Restoration	10 days	Tue 11/8/11	Mon 11/21/11	2590	
2592	NEMDC West Levee - Phase 3 (Elkhorn Blvd. to Northgate Blvd.)	198 days	Thu 2/17/11	Mon 11/21/11		
2593	Award Contract	8 days	Thu 2/17/11	Mon 2/28/11		SAFCA
2594	SAFCA Board Award Construction Contractor	1 day	Thu 2/17/11	Thu 2/17/11	056,298,277,284,318,166E	SAFCA
2595	10 Day Period for Return of Contract and Bonds	10 edays	Thu 2/17/11	Sun 2/27/11	2594	SAFCA
2596	Issue Construction NTP	1 day	Mon 2/28/11	Mon 2/28/11	2595	SAFCA
2597	Construction	190 days	Tue 3/1/11	Mon 11/21/11		
2598	Mobilization	10 days	Tue 3/1/11	Mon 3/14/11	2596	
2599	Clearing and Grubbing/Stripping	5 days	Tue 3/15/11	Mon 3/21/11	2598	
2600	Construct Levee Improvements	142 days	Fri 4/15/11	Mon 10/31/11	2599	
2601	Finish site and grading work	5 days	Tue 11/1/11	Mon 11/7/11	2600	
2602	Restoration	10 days	Tue 11/8/11	Mon 11/21/11	2601	
2603	West Drain Canal - Phase 4 (Sac River Reach 10 to 12B)	143 days	Thu 3/15/12	Mon 10/1/12		
2604	Award Contract	8 days	Thu 3/15/12	Mon 3/26/12		SAFCA
2605	SAFCA Board Award Construction Contractor	1 day	Thu 3/15/12	Thu 3/15/12		SAFCA
2606	10 Day Period for Return of Contract and Bonds	10 edays	Thu 3/15/12	Sun 3/25/12	2605	SAFCA
2607	Issue Construction NTP	1 day	Mon 3/26/12	Mon 3/26/12	2606	SAFCA
2608	Construction	135 days	Tue 3/27/12	Mon 10/1/12		
2609	Mobilization	10 days	Tue 3/27/12	Mon 4/9/12	2607	
2610	Clearing and Grubbing/Stripping	5 days	Tue 4/10/12	Mon 4/16/12	2609	
2611	Construct Canal Improvements	95 days	Tue 5/1/12	Mon 9/10/12	2610	
2612	Finish site and grading work	5 days	Tue 9/11/12	Mon 9/17/12	2611	
2613	Restoration	10 days	Tue 9/18/12	Mon 10/1/12	2612	
2614	Related Agency Construction Activities	130 days	Mon 5/3/10	Fri 10/29/10		
2615	USACE	130 days	Mon 5/3/10	Fri 10/29/10		
2616	R1 Main Drain Pump Station	130 days	Mon 5/3/10	Fri 10/29/10		
2617	Certifications	1020 days	Thu 4/23/09	Wed 3/20/13		
2618	A99 Compliance Report: Authorization, Financing, Construction	369 days	Thu 10/1/09	Tue 3/1/11		SAFCA
2619	100-Year Supplemental Report per FEMA	61 days	Thu 4/23/09	Thu 7/16/09		SAFCA
2620	Natomas 100 Year Supplemental Report	61 days	Thu 4/23/09	Thu 7/16/09		MBK
2621	Prepare Admin Draft Report	20 days	Thu 4/23/09	Wed 5/20/09	1,1532,1615,2042,2200,19E	Kleinfelder
2622	Review admin draft report	10 days	Thu 5/21/09	Wed 6/3/09	2621	SAFCA
2623	Revise report based on team review & complete report	10 days	Thu 6/4/09	Wed 6/17/09	2622	MBK
2624	Local Agency review	10 days	Thu 6/18/09	Wed 7/1/09	2623	County,Sutter County
2625	Revise report based on local agency review	10 days	Thu 7/2/09	Wed 7/15/09	2624	MBK
2626	SAFCA provides report to Corps and DWR	1 day	Thu 7/16/09	Thu 7/16/09	2625	SAFCA
2627	100 year certification by SAFCA with As-Builts	80 days	Fri 11/11/11	Thu 3/1/12		SAFCA
2628	Letter of Map Revision showing 100 year protection	66 days	Fri 3/2/12	Fri 6/1/12	2627	SAFCA
2629	200-Year Flood Protection Report to State Documenting 200 year Protection	352 days	Tue 11/15/11	Wed 3/20/13		SAFCA
2630	Habitat Installation	951 days	Tue 4/13/10	Tue 12/3/13		
2631	Install Habitat, Grasslands/Field Crops - Borrow Sites/Levee Slopes & Seepage Berms	870 days	Tue 8/3/10	Mon 12/2/13		
2632	Install Habitat, Woodlands NCC South Levee Improvements	600 days	Tue 8/17/10	Mon 12/3/12		
2633	Install Habitat, Woodlands Sac R East Levee Phase 1	950 days	Tue 4/13/10	Mon 12/2/13		
2634	Install Habitat, GGS/Drainage Canal, Pritchard Lake PP to Elkhorn Reservoir	870 days	Tue 8/3/10	Mon 12/2/13		
2635	Install Habitat, West Drainage Canal	611 days	Tue 8/2/11	Tue 12/3/13		
2636	Habitat Establishment	1044 days	Tue 12/4/12	Fri 12/2/16		
2637	Establish Habitat, Grasslands/Field Crops - Borrow Sites/ Levee Slopes & Seepage Berms	783 days	Tue 12/3/13	Thu 12/1/16	2631	
2638	Establish Habitat, Woodlands NCC South Levee Improvements	783 days	Tue 12/4/12	Thu 12/3/15	2632	
2639	Establish Habitat, Woodlands Sac R East Levee Phase 1	783 days	Tue 12/3/13	Thu 12/1/16	2633	
2640	Establish Habitat, GGS/ Drainage Ditch, Pritchard Lake PP to Elkhorn Reservoir	783 days	Tue 12/3/13	Thu 12/1/16	2634	
2641	Establish Habitat, Elkhorn Irrigation Ditch	783 days	Wed 12/4/13	Fri 12/2/16	2635	
2642	Operations and Maintenance	321 days	Wed 12/1/10	Wed 2/22/12		
2643	O&M Manual Updates	321 days	Wed 12/1/10	Wed 2/22/12		
2644	Sacramento River East Levee	60 days	Thu 12/1/11	Wed 2/22/12		
2645	NCC South Levee	60 days	Wed 12/1/10	Tue 2/22/11		
2646	PGCC	60 days	Wed 12/1/10	Tue 2/22/11		
2647	NEMDEC	60 days	Thu 12/1/11	Wed 2/22/12		
2648	American River	60 days	Thu 12/1/11	Wed 2/22/12		
2649	As-Built Drawings and Easement Boundaries	321 days	Wed 12/1/10	Wed 2/22/12		
2650	Sacramento River East Levee	60 days	Thu 12/1/11	Wed 2/22/12		



SACRAMENTO AREA FLOOD CONTROL AGENCY
NATOMAS LEVEE IMPROVEMENT PROJECT

MASTER SCHEDULE
Updated 10-23-08

ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2651	NCC South Levee	60 days	Wed 12/16/10	Tue 2/22/11		
2652	PGCC	60 days	Wed 12/16/10	Tue 2/22/11		
2653	NEMDEC	60 days	Thu 12/17/10	Wed 2/22/12		
2654	American River	60 days	Thu 12/17/10	Wed 2/22/12		