

Attachment 5: Schedule

Overview

The following Attachment provides an overall schedule for the Mokelumne / Amador / Calaveras (MAC) Integrated Regional Water Management (IRMW) Region Proposition 84, Round 2 Implementation Grant Proposal, plus individual schedules for the three projects that are discussed in Attachment 3, Work Plan of this grant application. The schedules presented herein are consistent with the Work Plan (Attachment 3) and Budget (Attachment 4) and have an assumed grant award date of October 1, 2013. Schedule work items include:

- Direct Project Administration (including project performance monitoring and progress report and final report submittals);
- Development of financing;
- CEQA preparation and completion;
- Project design and bid solicitation process;
- Acquisition of land or rights-of-way (as required by the project);
- Construction start and end dates including significant milestones;
- Environmental mitigation or enhancement efforts; and
- Construction Administration

The Schedule shows the start and end dates for each project task, plus the project duration in Gantt chart format. The schedule also illustrates work items that are dependent on one another through linkages. It is important to note that, while the schedules show the Project Performance Monitoring Plan implementation to end with construction, it is understood that project performance monitoring will continue post-construction for a period up to 10 years or as required by the executed funding agreement.

Proposal Schedule

ID	Task Name	Duration	Start	Finish	Half 1, 2013						Half 2, 2013					Half 1, 2014					Half 2, 2014					Half			
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S		O	N	D
1	Mokelumne / Amador / Calaveras Proposition 84 Round 2 Implementation Grant Proposal	763 days	Fri 5/18/12	Tue 4/21/15																									
2	Grant Award Date	1 day	Tue 10/1/13	Tue 10/1/13																									
3	Lake Camanche Lateral Replacement Project - Phase 2	518 days	Tue 1/8/13	Thu 1/1/15																									
4	Camanche Area Regional Water Supply Project - Phase 1	583 days	Fri 1/25/13	Tue 4/21/15																									
5	Ponderosa Way Restoration Project - Phase 1	529 days	Fri 5/18/12	Wed 5/28/14																									

Project: 5.Project# Schedule Date: Wed 3/27/13	Task		Progress		Summary		External Tasks		Deadline	
	Split		Milestone		Project Summary		External Milestone			

Lake Camanche Lateral Replacement Project – Phase 2 Schedule

ID	Task Name	Duration	Start	Finish	Half 1, 2013						Half 2, 2013					Half 1, 2014						Half 2, 2014					Half			
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O		N	D	J
1	Mokelumne / Amador / Calaveras Proposition 84 Round 2 Implementation Grant Proposal	518 days	Tue 1/8/13	Thu 1/1/15	[Summary bar]																									
2	Lake Camanche Lateral Replacement Project - Phase 2	518 days	Tue 1/8/13	Thu 1/1/15	[Summary bar]																									
3	Grant Award Date	0 days	Tue 10/1/13	Tue 10/1/13	[Milestone diamond]																									
4	Development of Financing	190 days	Tue 1/8/13	Tue 10/1/13	[Task bar]																									
5	Budget Category (a): Direct Project Administration	328 days	Tue 10/1/13	Thu 1/1/15	[Summary bar]																									
6	Task 1: Project Administration	328 days	Tue 10/1/13	Thu 1/1/15	[Task bar]																									
7	Task 2: Labor Compliance Program - NOT APPLICABLE	0 days	Tue 10/1/13	Tue 10/1/13	[Milestone diamond]																									
8	Task 3: Reporting	196 days	Wed 1/1/14	Wed 10/1/14	[Task bar]																									
9	Quarterly Reports	196 days	Wed 1/1/14	Wed 10/1/14	[Task bar]																									
14	Project Completion Report	1 day	Thu 1/1/15	Thu 1/1/15	[Task bar]																									
15	Budget Category (b): Land Purchase/Easement - NOT APPLICABLE	0 days	Tue 10/1/13	Tue 10/1/13	[Milestone diamond]																									
16	Budget Category (c): Planning/Design/Engineering/Environmental Documentation	89 days	Tue 10/1/13	Fri 1/31/14	[Summary bar]																									
17	Task 4: Assessment and Evaluation - NOT APPLICABLE	0 days	Tue 10/1/13	Tue 10/1/13	[Milestone diamond]																									
18	Task 5: Final Design	66 days	Tue 10/1/13	Tue 12/31/13	[Task bar]																									
19	10% Design	23 days	Tue 10/1/13	Thu 10/31/13	[Task bar]																									
20	100% Design	43 days	Fri 11/1/13	Tue 12/31/13	[Task bar]																									
21	Task 6: Environmental Documentation	66 days	Fri 11/1/13	Fri 1/31/14	[Task bar]																									
22	CEQA Notice of Exemption	66 days	Fri 11/1/13	Fri 1/31/14	[Task bar]																									
23	Task 7: Permitting	15 days	Fri 11/1/13	Thu 11/21/13	[Task bar]																									
24	Amador County Encroachment Permit	15 days	Fri 11/1/13	Thu 11/21/13	[Task bar]																									
25	Budget Category (d): Construction/Implementation	327 days	Tue 10/1/13	Wed 12/31/14	[Summary bar]																									
26	Task 8: Construction Contracting - NOT APPLICABLE	0 days	Tue 10/1/13	Tue 10/1/13	[Milestone diamond]																									
27	Task 9: Construction	261 days	Wed 1/1/14	Wed 12/31/14	[Task bar]																									
28	Subtask 9.1: Mobilization and Site Preparation	33 days	Wed 1/1/14	Fri 2/14/14	[Task bar]																									
29	Subtask 9.2: Project Construction	216 days	Mon 2/17/14	Mon 12/15/14	[Task bar]																									
30	Subtask 9.3: Performance Testing and Demobilization	12 days	Tue 12/16/14	Wed 12/31/14	[Task bar]																									
31	Budget Category (e): Environmental Compliance/Mitigation/Enhancement	20 days	Tue 10/1/13	Mon 10/28/13	[Summary bar]																									
32	Task 10: Environmental Compliance/Mitigation/Enhancement	20 days	Tue 10/1/13	Mon 10/28/13	[Task bar]																									
33	Prepare Project Performance Monitoring Plan	20 days	Tue 10/1/13	Mon 10/28/13	[Task bar]																									
34	Budget Category (f): Construction Administration	228 days	Mon 2/17/14	Wed 12/31/14	[Summary bar]																									
35	Task 11: Construction Administration	228 days	Mon 2/17/14	Wed 12/31/14	[Task bar]																									

Project: 5.Project# Schedule Date: Tue 3/5/13

Task Progress Summary External Tasks Deadline

Split Milestone Project Summary External Milestone

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Camanche Area Regional Water Supply Project – Phase 1 Schedule

ID	Task Name	Duration	Start	Finish	Half 1, 2013					Half 2, 2013					Half 1, 2014					Half 2, 2014					Half 1, 2015					Half 2, 2015																	
					J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J
1	Camanche Area Regional Water Supply Project - Phase 1	583 days	Fri 1/25/13	Tue 4/21/15																																											
2	Grant Award Date	1 day	Tue 10/1/13	Tue 10/1/13																																											
3	Development of Financing	178 days	Fri 1/25/13	Tue 10/1/13																																											
4	Budget Category (a): Direct Project Administration	537 days	Mon 4/1/13	Tue 4/21/15																																											
5	Task 1: Administration	406 days	Tue 10/1/13	Tue 4/21/15																																											
6	Task 2: Labor Compliance Program	30 days	Mon 4/1/13	Mon 5/13/13																																											
7	Task 3: Reporting	340 days	Wed 1/1/14	Tue 4/21/15																																											
8	Quarterly Reports	326 days	Wed 1/1/14	Wed 4/1/15																																											
15	Project Completion Report	10 days	Wed 4/8/15	Tue 4/21/15																																											
16	Budget Category (b): Land Purchase/Easement	40 days	Fri 1/25/13	Thu 3/21/13																																											
17	EBMUD to Grant Easement to AWA for Emergency Water Supply Connection	40 days	Fri 1/25/13	Thu 3/21/13																																											
18	Budget Category (c): Planning/Design/Engineering/Environmental Documentation	196 days	Fri 1/25/13	Fri 10/25/13																																											
19	Task 4: Assessment and Evaluation - Complete	0 days	Tue 10/1/13	Tue 10/1/13																																											
20	Task 5: Final Design	80 days	Mon 4/1/13	Fri 7/19/13																																											
21	Hire Design Firm	30 days	Mon 4/1/13	Fri 5/10/13																																											
22	Develop Final Plans and Specifications for the CARWSP Pipelines & WTP	50 days	Mon 5/13/13	Fri 7/19/13																																											
23	Task 6: Environmental Documentation - Complete	78 days	Fri 1/25/13	Tue 5/14/13																																											
24	Task 7: Permitting	120 days	Mon 5/13/13	Fri 10/25/13																																											
25	Compliance documents for State General Stormwater Permit (NOI, NOT, SWPPP, Annual Rep	60 days	Mon 5/13/13	Fri 8/2/13																																											
26	Air Permit	30 days	Mon 5/13/13	Fri 6/21/13																																											
27	Streambed Alteration Agreement	80 days	Mon 5/13/13	Fri 8/30/13																																											
28	Section 404 Permit	120 days	Mon 5/13/13	Fri 10/25/13																																											
29	Section 401 Certification	80 days	Mon 5/13/13	Fri 8/30/13																																											
30	Budget Category (d): Construction/Implementation	497 days	Mon 5/13/13	Tue 4/7/15																																											
31	Task 8: Construction Contracting	210 days	Mon 5/13/13	Fri 2/28/14																																											
32	Subtask 8.1: Design/Build Contracting for WTP	210 days	Mon 5/13/13	Fri 2/28/14																																											
33	Bid Process for Specialty Contractors for WTP and pipelines	90 days	Mon 10/28/13	Fri 2/28/14																																											
34	RFP for and Purchase of Membrane Units	30 days	Mon 5/13/13	Fri 6/21/13																																											
35	Subtask 8.2: Vintage Home Fixture Retrofit Contracting	30 days	Wed 10/2/13	Tue 11/12/13																																											
36	UMRWA Hires Consultant to Administer Vintage Home Fixture Retrofit	30 days	Wed 10/2/13	Tue 11/12/13																																											
37	Task 9: Construction	365 days	Wed 11/13/13	Tue 4/7/15																																											
38	Subtask 9.1: Pipelines Construction	265 days	Mon 3/3/14	Fri 3/6/15																																											

Project: Schedule-01-28-13
Date: Thu 3/28/13

Task		Milestone		Project Summary		External Milestone		Deadline	
Split		Summary		External Tasks		Progress			

Ponderosa Way Restoration Project – Phase 1 Schedule

ID	Task Name	Duration	Start	Finish	2013				2014					
					Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	
1	Mokelumne / Amador / Calaveras Proposition 84 Round 2 Implementation Grant Proposal	529 days	Fri 5/18/12	Wed 5/28/14	[Summary bar]									
2	Ponderosa Way Restoration Project - Phase 1	529 days	Fri 5/18/12	Wed 5/28/14	[Summary bar]									
3	Development of Financing	195 days	Tue 1/1/13	Tue 10/1/13	[Task bar]									
4	Grant Award Date	0 days	Tue 10/1/13	Tue 10/1/13	[Milestone]									
5	Budget Category (a): Direct Project Administration	172 days	Tue 10/1/13	Wed 5/28/14	[Summary bar]									
6	Task 1: Project Administration	172 days	Tue 10/1/13	Wed 5/28/14	[Task bar]									
7	Task 2: Labor Compliance Program - NOT APPLICABLE	0 days	Tue 10/1/13	Tue 10/1/13	[Task bar]									
8	Task 3: Reporting	65 days	Wed 1/1/14	Tue 4/1/14	[Summary bar]									
9	Quarterly Reports	65 days	Wed 1/1/14	Tue 4/1/14	[Summary bar]									
12	Project Completion Report	1 day	Wed 5/28/14	Wed 5/28/14	[Task bar]									
13	Budget Category (b): Land Purchase/Easement - NOT APPLICABLE	0 days	Tue 10/1/13	Tue 10/1/13	[Task bar]									
14	Budget Category (c): Planning/Design/Engineering/Environmental Documentation	496 days	Fri 5/18/12	Fri 4/11/14	[Summary bar]									
15	Task 4: Assessment and Evaluation - Complete	109 days	Fri 6/1/12	Wed 10/31/12	[Task bar]									
16	Task 5: Final Design	92 days	Mon 10/1/12	Tue 2/5/13	[Task bar]									
17	Schedule of work to remediate major sources of road erosion before winter 2013	28 days	Mon 10/1/12	Wed 11/7/12	[Task bar]									
18	Schedule of work to remediate remaining sources of erosion	43 days	Fri 12/7/12	Tue 2/5/13	[Task bar]									
19	Task 6: Environmental Documentation	1 day	Fri 5/18/12	Fri 5/18/12	[Task bar]									
20	Project Determined to be Categorically Exempt Under CEQA	1 day	Fri 5/18/12	Fri 5/18/12	[Task bar]									
21	Task 7: Permitting	8 days	Wed 4/2/14	Fri 4/11/14	[Task bar]									
22	Notify DFG of pending work on Verification Request Form	1 day	Wed 4/2/14	Wed 4/2/14	[Task bar]									
23	Obtain Notice of Concurrence from DFG	5 days	Thu 4/3/14	Wed 4/9/14	[Task bar]									
24	Acquire permit to mine 1,000 cubic yards of road fill from BLM quarry	8 days	Wed 4/2/14	Fri 4/11/14	[Task bar]									
25	Budget Category (d): Construction/Implementation	427 days	Mon 10/8/12	Tue 5/27/14	[Summary bar]									
26	Task 8: Construction Contracting - NOT APPLICABLE	0 days	Tue 10/1/13	Tue 10/1/13	[Task bar]									
27	Task 9: Construction	427 days	Mon 10/8/12	Tue 5/27/14	[Summary bar]									
28	Preliminary Road Improvements (Complete)	23 days	Mon 10/8/12	Wed 11/7/12	[Task bar]									
29	Road Restoration	30 days	Wed 4/16/14	Tue 5/27/14	[Task bar]									
30	Budget Category (e): Environmental Compliance/Mitigation/Enhancement	20 days	Tue 10/1/13	Mon 10/28/13	[Task bar]									
31	Task 10: Environmental Compliance/Mitigation/Enhancement - NOT APPLICABLE	20 days	Tue 10/1/13	Mon 10/28/13	[Task bar]									
32	Prepare Project Performance Monitoring Plan	20 days	Tue 10/1/13	Mon 10/28/13	[Task bar]									
33	Budget Category (f): Construction Administration	30 days	Wed 4/16/14	Tue 5/27/14	[Task bar]									
34	Task 11: Construction Administration	30 days	Wed 4/16/14	Tue 5/27/14	[Task bar]									

Project: 5.Project# Schedule
Date: Tue 3/26/13

Task		Progress		Summary		External Tasks		Deadline	
Split		Milestone		Project Summary		External Milestone			