

11 ATTACHMENT 5: SCHEDULE

Scoring will be based on whether the project proposal has presented a detailed and specific schedule that adequately documents the Proposal and on the readiness to proceed with the Proposal. A higher score will be awarded if detailed and bid ready construction documents have been completed. Maximum points will only be awarded when all land rights have been acquired, all permits are available and the construction plans are bid ready.

Provide a schedule for implementation of the Project showing the sequence and timing of the proposed project or suite of projects. The schedule must show the start and end dates as well as milestones for each task contained in the Work Plan and should be in a horizontal bar or Gantt chart format. The schedule should also illustrate any dependencies or predecessors by showing links between tasks. An assumed end date of the grant agreement will not be established by DWR, instead applicants must include a reasonable estimate of the end date, based on their Proposal including time for any final reports and invoicing. The schedule, Attachment 5 must be consistent with the Work Plan and Budget and must use October 1, 2013 as the assumed award date of the grant.

At a minimum, the following tasks should be included on the schedule:

- *Development of financing*
- *Development of environmental documentation and CEQA/National Environmental Policy Act (NEPA) compliance*
- *Project design and bid solicitation process*
- *Acquisition of rights-of-way, if required*
- *Identification and acquisition of all necessary permits*
- *Construction start and end dates including significant milestones*
- *Implementation of any environmental mitigation or enhancement efforts*

11.1 Packwood Creek Recharge Project Schedule

The chart depicting the Packwood Creek Recharge Project schedule can be found at the end of this section. The schedule for the Project coheres with the project Work Plan and the Project Budget in this application. The Project Schedule does not include the development of financing, because all the project costs will be paid for by Visalia Water Management Committee through their Financial Reserves, which are already in-place. Although the award date for the project would be October 1, 2013; the project's schedule dates back to May 2012. Beginning in May 2012, Kaweah Delta WCD contracted with Provost & Pritchard Consulting Engineers to further the Project.

11.1.1 Task 1 – Administration

The anticipated IRWM Implementation Grant Round 2 award date is October 1, 2013. Due to this Project administration begins in this month and continues through the last foreseen quarterly submittal after construction is completed.

11.1.2 Task 2 – Labor Compliance Program

The City of Visalia will engage a local consultant that they have worked with in the past to develop a Labor Compliance Program for this project. The development of a Project labor Compliance Program is scheduled to begin in June 2013 so that it can be complete and ready so that construction can begin in August-September 2013.

11.1.3 Task 3 – Reporting

Project reporting is assumed to begin after the October 1, 2013 award date. Reporting, accounting, and administration will regularly be evaluated at monthly project meetings between the Kaweah Delta WCD Project Manager, Kaweah Delta WCD staff working on the project, consultants working for Kaweah Delta WCD, and selected contractors. At these meetings progress, progress reports will be generated by the group that include site pictures of recent progress being made, and applicable construction logs will be included if available. This effort is anticipated to begin in October 2013 and end after construction activities conclude.

11.1.4 Task 4 – Assessment and Evaluation

The Preliminary Biological Assessment, the Geotechnical Report and the Existing Utilities Investigation are all currently underway through contracted consultant efforts. These efforts are scheduled to be completed in March-April 2012. Portions of the efforts in Task 5 – Final Design are dependent on this work being completed.

11.1.5 Task 5 – Final Design

The Final Design is currently underway through contracted efforts with a local Civil Engineering consultant. Final Design of construction plans, project specifications, and contract documents are scheduled to be completed in June 2013 so that bid documents can be made available to potential contractors in June during bid circulation, and then selection of a qualified contractor in July 2013. This schedule is planned so that the

contractor can begin to mobilize in August and hopefully will have the months of August – October 2013 to construct at least two of the planned concrete structures.

11.1.6 Task 6 – Environmental Documentation

The development of state and federal environmental processing is currently underway for the Project. Following the completion of the anticipated Mitigated Negative Declaration and Finding Of No Significant Impact, the Kaweah Delta WCD will complete the application for several permits needed for the construction of the Project. These permits are being developed along a parallel timeline so that when CEQA and NEPA processing is completed the state and federal permits can be awarded very quickly after. Environmental Documentation is scheduled to be completed in April 2013.

11.1.7 Task 7 – Permitting

As was mentioned in the previous section, following the completion of the anticipated MND and FONSI, the Kaweah Delta WCD will complete the application for several permits needed for the construction of the Project. These permits are being developed along a parallel timeline so that when CEQA and NEPA processing is completed the state and federal permits can be awarded very quickly after. The permits that the Project partners envision will need to be obtained are a California Department of Fish and Wildlife Streambed Alteration Permit (1602) and an Army Corps of Engineers Permit for Section 404 of the Clean Water Act Permit. It is anticipated that these efforts will be completed in August 2013.

11.1.8 Task 8 – Construction Contracting and Deliverables

After the significant project permits have been acquired, the public bidding process can begin to select a qualified contractor to construct the automated weir facilities. It is anticipated that the public bid process will be completed by the end of July 2013 and the contractor can begin to order materials and move onto the Project sites. It is hoped that the contractor will accomplish the construction of two concrete structures before the fall 2013 season is over.

11.1.9 Task 9 – Construction

Project facilities will be constructed in several natural and man-made channels. These channels each have times of the year when they are normally in operation and the Project partners will attempt to minimize the impact to these facilities through the

development of this Project. For this reason the project is scheduled to begin construction in August 2013 so that there are potentially three months to work and complete two or three structures before fall and winter rainfall forces work to stop. Then after the rainy season has past, work will begin again in April. It is thought that if the year's precipitation is normal to dry in 2014 then there will not be water in the channels in April or May and this will be the opportunity to complete construction on the Project. If 2014's precipitation is above average then completing the Project may have to wait until after the summer irrigation run.

One scheduling issue for this construction effort will be the automated gates. It is likely that these gates will take several months to obtain before they can be installed. For this reason it is envisioned that the first construction period in fall 2013 will be to construct the Packwood Creek concrete structures and re-grade the channel. Then in spring 2014 the automated gates can be installed in the previously constructed concrete structures. Consistent with this it is envisioned that the automated Langemann and Lopac gates will be ordered in September 2012 and received on site in April 2014.

11.1.10 Task 10 – Environmental Compliance/Mitigation/Enhancement

Environmental Compliance for this Project amounts to requirements that the contractor must fulfill while in control of the Project site (i.e. what must be done first thing in the morning, what hours can be worked, the way the site can be closed down at night). For this reason these activities are shown on the Project schedule to happen while the Project is under construction (August – October 2013 and April – May 2014).

11.1.11 Task 11 – Construction Administration

After construction plans are completed, environmental documentation is completed, Project bidding is completed and the Project is awarded, construction activities can begin. Construction administration activities will also happen during the months of construction (August – October 2013 and April – May 2014). Construction inspection will regularly begin as will validation of wage rates from weekly payroll submittals and checks into required labor compliance efforts. These efforts will continue in varying degrees of intensity until construction activities are completed. Toward the end of construction efforts the project inspector will develop a punch list for the Contractor of things required before the Project will be deemed complete and the timeframe for release of retention can begin.

KAWEAH RIVER BASIN IRWM GROUP 2013 IMPLEMENTATION GRANT PROPOSAL

Kaweah Delta WCD

		Attachment 5: Schedule																								
		City of Visalia - Packwood Creek Recharge Project																								
		2012				2013								2014												
Task	Description	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
Task 1	Administration																									
Task 2	Labor Compliance Program																									
Task 3	Reporting																									
Task 4	Assessment and Evaluation																									
Task 4.1	Preliminary Biological Assessment																									
Task 4.2	Project Geotechnical Investigation																									
Task 4.3	Existing Utility Investigation																									
Task 5	Final Design																									
Task 5.1	Construction Drawings																									
Task 5.2	Project Specifications																									
Task 5.3	Solicitation and Competitive Bid Documents																									
Task 5.4	Contract Documents																									
Task 6	Environmental Documentation																									
Task 6.1	Environmental Checklist and Biological																									
Task 6.2	Development of CEQA Documentation																									
Task 6.3	Final CEQA Documentation																									
Task 6.4	Development of NEPA Documentation																									
Task 6.5	Final NEPA Documentation																									
Task 7	Permitting																									
Task 7.1	CA Dept of Fish and Wildlife 1602 Permit																									
Task 7.2	Army Corps of Engs Section 404 Permit																									
Task 8	Construction Contracting and Deliverables																									
Task 8.1	Publish Notice to Bidders																									
Task 8.2	Pre-Bid Meeting and Addendum No. 1																									
Task 8.3	Bid Opening and Bid Evaluation																									
Task 8.4	Bid Award																									
Task 9	Construction																									
Task 9.1	Mobilization and Site Preparation																									
Task 9.2	Project Construction																									
Task 9.3	Performance Testing and Demobilization																									
Task 10	Env Compliance/Mitigation/Enhancement																									
Task 11	Construction Administration																									

Figure 11.1: Packwood Creek Recharge Project Schedule

11.2 Well 15 Water Quality Project Schedule

The Gantt chart depicting the Well No. 15 Water Quality Project (Project) can be found in at the end of this section. The schedule for the Project coheres with the Project work plan and the Project budget sections of this application. The Project schedule does not include the development of financing, as the City of Lindsay (City) is requesting a funding match waiver.

11.2.1 Task 1 – Administration

Project Administration is anticipated to begin in October, 2013 and apply throughout the entire Project schedule.

11.2.2 Task 2 – Labor Compliance Program

Labor compliance will be administered by Kaweah Delta Water Conservation District during the construction period for the Project, which occurs from May 2014 to September 2014.

11.2.3 Task 3 – Reporting

Grant Reporting is anticipated to begin in October, 2013, and conclude with the Project final report which is scheduled to be submitted to DWR in December, 2014.

11.2.4 Task 4 – Land Easements

The proposed Project requires the obtainment of three (3) land easements, which total 40 square feet. It is envisioned that the obtainment of said easements will be accomplished between the months of October, 2013, and December, 2013. The land easements will be secured prior to the completion of the (90%) pre-final design, to allow ample time for redesign, if any or all of the proposed sites are unobtainable.

11.2.5 Task 5 – Assessments and Evaluation

The assessment and evaluation task, which is listed as Task 5.1 – Chlorine Contact Time Study was accomplished in 2010, and is therefore listed on the schedule without any applied time to the proposed Project. In 2010, the City instructed Keller/Wegley Consulting Engineers to prepare a Chlorine Contact Time Study (Study) which would provide information to the City relative to the utilization of their Well No. 15 and the Boil Water Advisory which the City was required to issue to its customers by the State

Department of Public Health (CDPH) due to cyclic bacteriological contamination. The study indicated the capability of the Project facilities to accomplish the retention of the produced water supply sufficiently to satisfy the minimum contact time requirement.

11.2.6 Task 6 – Design

Although the award date for the Grant would be October 1, 2013, conceptual design (10%) of the Project was completed in 2010 following the completion of the Study and consultation with CDPH. Final design for the Project, which includes the generation of Project Plans and Specifications required for Project bidding purposes will begin in October, 2013 and be completed in the beginning of January, 2014.

11.2.7 Task 7 – Environmental Documentation

Following completion of the Final Project Plans and Specifications, the necessary CEQA documents, which the Project is anticipated to be Categorically Exempt, will be completed during January, 2014. CEQA compliance work will be an effort put forth by the Project Engineer, City Attorney and confirmed by the City Council which determines that all the Project elements are exempt and such a finding be made in an official forum.

11.2.8 Task 8 – Construction Surveying/Inspection/Testing

Surveying, inspection and material testing will occur during the Project construction period of May 2014 to September 2014.

11.2.9 Task 9 – Construction Contracting

Following the completion of the resulting CEQA documents, the City will conduct a public bidding process for the construction of the Project. The public bidding process is scheduled to be completed by the middle of March, 2014, with award and execution of the contract in May, 2014.

11.2.10 Task 10 – Construction

Construction of the Project, along with conformance of all identified environmental compliance and mitigation measures identified in the CEQA documents will be accomplished from May, 2014 to September, 2014. The Project includes construction of approximately 1,000 feet of 8" diameter PVC pipe, the abandonment of a section of pipe, and construction and installation of three chlorine sampling locations.

**11.2.11 Task 11 – Environmental
Compliance/Mitigation/Enhancement**

This task will be performed in conjunction with the Project construction expected to be accomplished from May 2013 to September 2014.

11.2.12 Task 12 – Construction Administration

Construction administration along with the initiation of activities related to the labor compliance program, are projected to begin in May, 2014, and apply throughout the entire Project construction schedule.

11.2.13 Task 13 – Permitting

The permitting process is anticipated to be accomplished in May, 2014, following award of the construction contract and prior to any construction of the Project components. The only permit that is anticipated to be obtained is an Encroachment Permit with the County of Tulare.

11.2.14 Task 14 – Legal Service

City Legal Services are anticipated to be used during the obtainment of the land easements, during the months of October, 2013 to December, 2013, but are anticipated to also be used on a limited basis during the contractual periods with the Department of Water Resources (DWR) and the public bidding process.

KAWEAH RIVER BASIN IRWM GROUP 2013 IMPLEMENTATION GRANT PROPOSAL

Kaweah Delta WCD

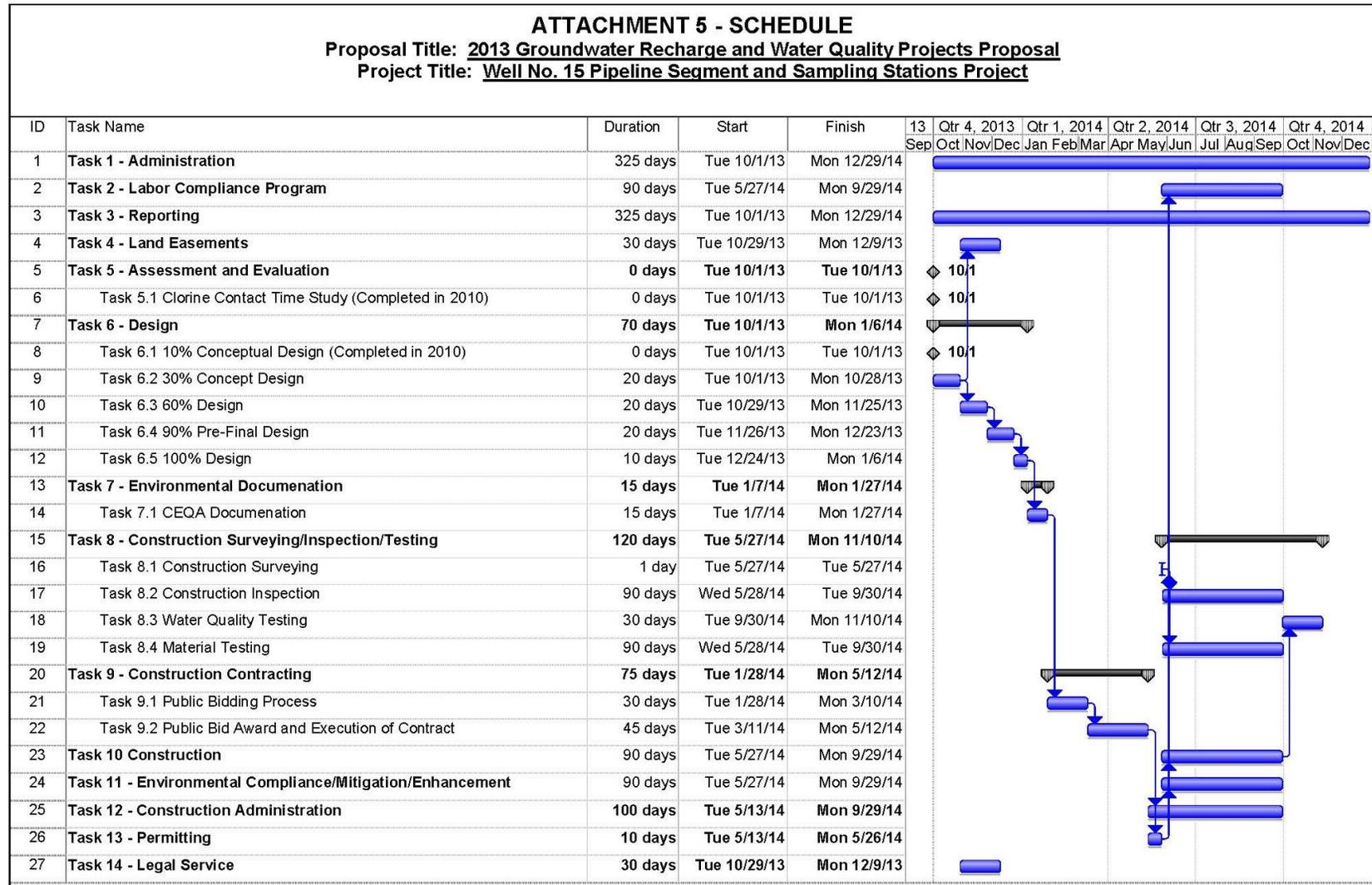


Figure 11.2: Well 15 Water Quality Project Schedule