

Merced Integrated Regional Water Management Merced Region Grant Proposal

Attachment 5: Schedule



Attachment 5 consists of the following items:

✓ **Project Schedules**

This attachment includes a schedule for implementation of the projects showing the sequence and timing of each of the proposed projects.

✓ **Proposal Schedule**

This attachment includes a schedule that briefly summarizes the Proposal's overall schedule.



Project Schedules

Atwater-McSwain Regulating/Recharge Basin Project

Figure 5-1 below provides a more detailed breakdown of the project schedule.

Project Schedule Description

The project duration associated with the *Highlands Groundwater Conservation Project* is 358 days. The Atwater-McSwain Regulating/Recharge Basin Project construction award date would occur no later than April 1, 2016. Given the short duration of the project, this project would complete construction March 2017, two and half years before the October 31, 2019 deadline listed in the PSP.

This breakdown per Budget Category is as follows:

- (a) - Direct Project Administration: 358 days
- (b) - Land Purchase/Easement: 24 days
- (c) - Planning / Design / Engineering / Environmental Documentation: 122 days
- (d) - Construction/Implementation: 284 days

The conceptual design has been completed for the Atwater/McSwain Regulating/Recharge Basin Project. Upon the grant award, the project would be ready to proceed, and MID would complete the design and environmental compliance quickly so that a Notice of Award would be issued to the selected contractor by April 1, 2016. The Atwater/McSwain Regulating/Recharge Basin Project is a simple design project involving minimal infrastructure (inlet/outlet gates and minimal piping). As such, completion of the design and bid documents within approximately 3 months is feasible.

Because the project will be excavating an existing basin, minimal physical environmental impacts are anticipated at the site. A CEQA Initial Study/Mitigated Negative Declaration (IS/MND) would likely be the appropriate level of environmental documentation. An IS/MND can be completed within three and a half months, including the public review process.

Negotiations for the property (title or easement) have already begun between the County of Merced and MID and it is anticipated to take one month to finalize the ownership arrangement and complete the necessary paperwork. Task 12 (Construction) would extend approximately 261 days, with approximately 111 days for the excavation of the basin, 65 days for the construction of the pipelines and gates, 67 days for the installation of the monitoring wells, and 43 days for SCADA control configuration.

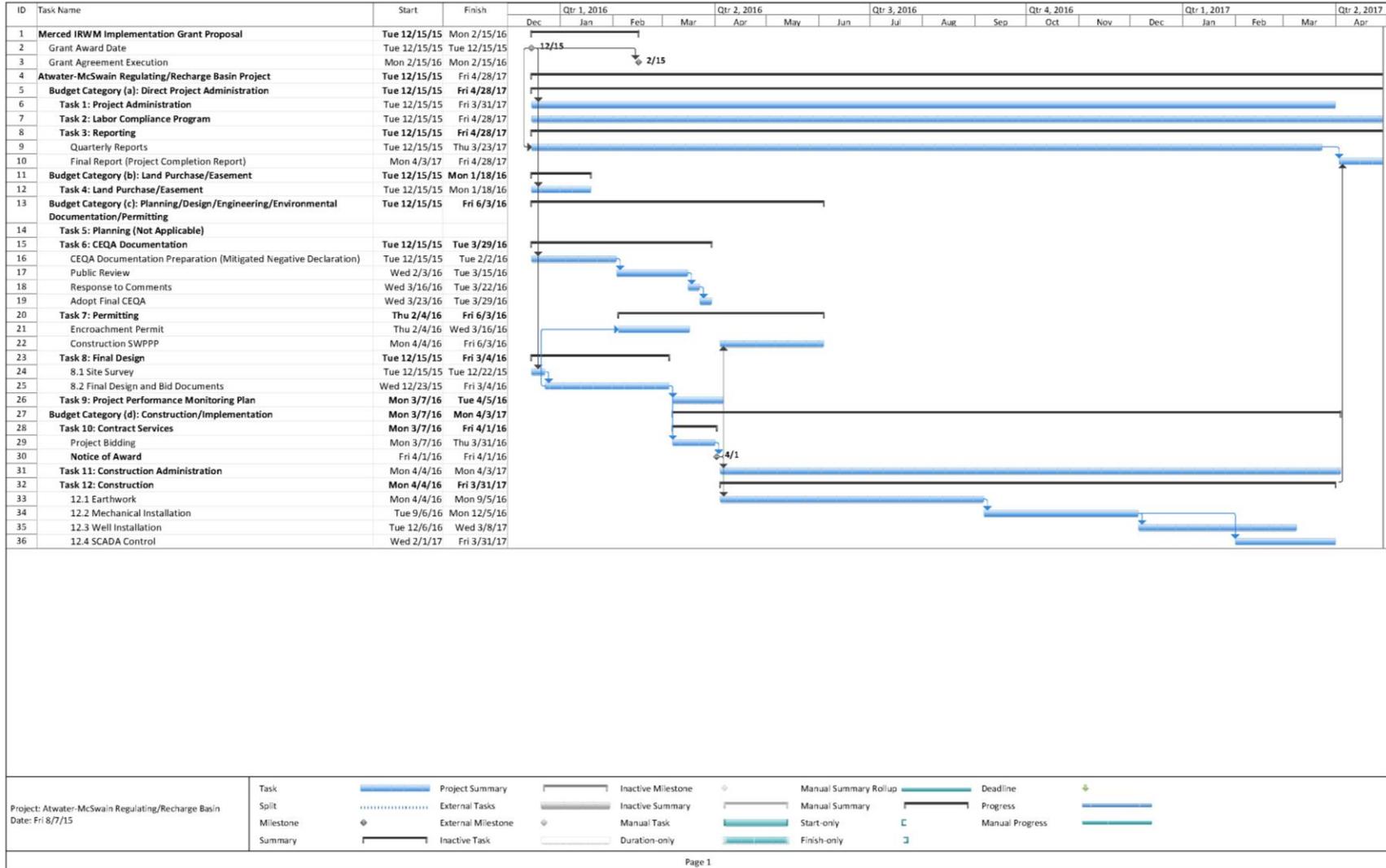


Figure 5-1: Project Schedule –Atwater-McSwain Regulating/Recharge Basin Project



UC Merced Surface Water Augmentation Project

Figure 5-2 below provides a more detailed breakdown of the project schedule.

Project Schedule Description

The *UC Merced Surface Water Augmentation Project* is expected to take 192 days to implement. Given the short duration of the project, this project would complete construction in October 2016, three years before the October 31, 2019 deadline listed in the PSP.

This breakdown per Budget Category is as follows:

- (a) - Direct Project Administration: 192 days
- (b) - Land Purchase/Easement: Not Applicable
- (c) - Planning / Design / Engineering / Environmental Documentation: 152 days
- (d) - Construction/Implementation: 81 days

The conceptual design has been completed. Upon the grant agreement execution date, the project would be ready to proceed, and UC Merced would complete the design and environmental compliance quickly. The UC Merced Surface Water Augmentation Project is a streamlined project that involves upsizing and upgrading of existing infrastructure. As such, completion of the design and bid documents within approximately 3 months is feasible.

A CEQA Categorical Exemption would likely be the appropriate level of environmental documentation, which can be completed within two weeks.

No land purchase or easement acquisition is required for the proposed project. Task 12 (Construction) would require approximately 60 days, with approximately 2 weeks for mobilization and site preparation, 8 weeks to install/upgrade the pipeline, gates, and pump station, and 2 weeks for demobilization and project closeout.

Merced Region Grant Proposal
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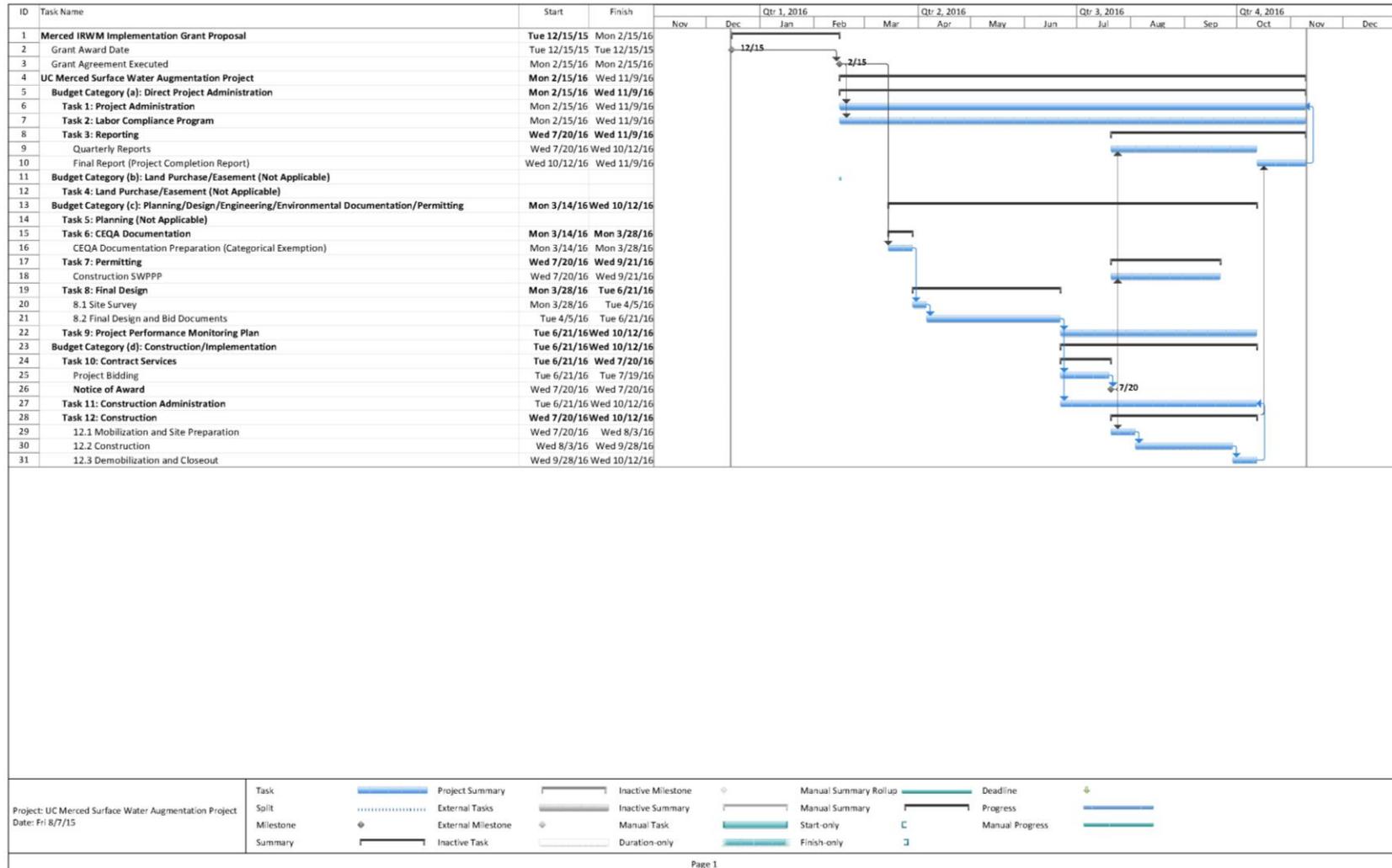


Figure 5-2: Project Schedule – UC Merced Surface Water Augmentation Project



Grant Administration Project

Figure 5-3 below provides a more detailed breakdown of the project schedule.

Project Schedule Description

The *Grant Administration Project* is expected to take 353 days to implement. This breakdown per Budget Category is as follows:

- (a) - Direct Project Administration: 358 days
- (b) - Land Purchase/Easement: Not Applicable
- (c) - Planning / Design / Engineering / Environmental Documentation: Not Applicable
- (d) - Construction/Implementation: Not Applicable

The schedule presented for the Grant Administration Project is based on an approximation of the final grant award date, time required for drafting and executing the funding agreement, and on the schedules for the two other projects contained in this application. This schedule focuses solely on meeting the terms and requirements that will be included in the grant agreement with MID. As such, this schedule is considered to be realistic, reasonable and accomplishable based on the states of the two projects contained in this application.

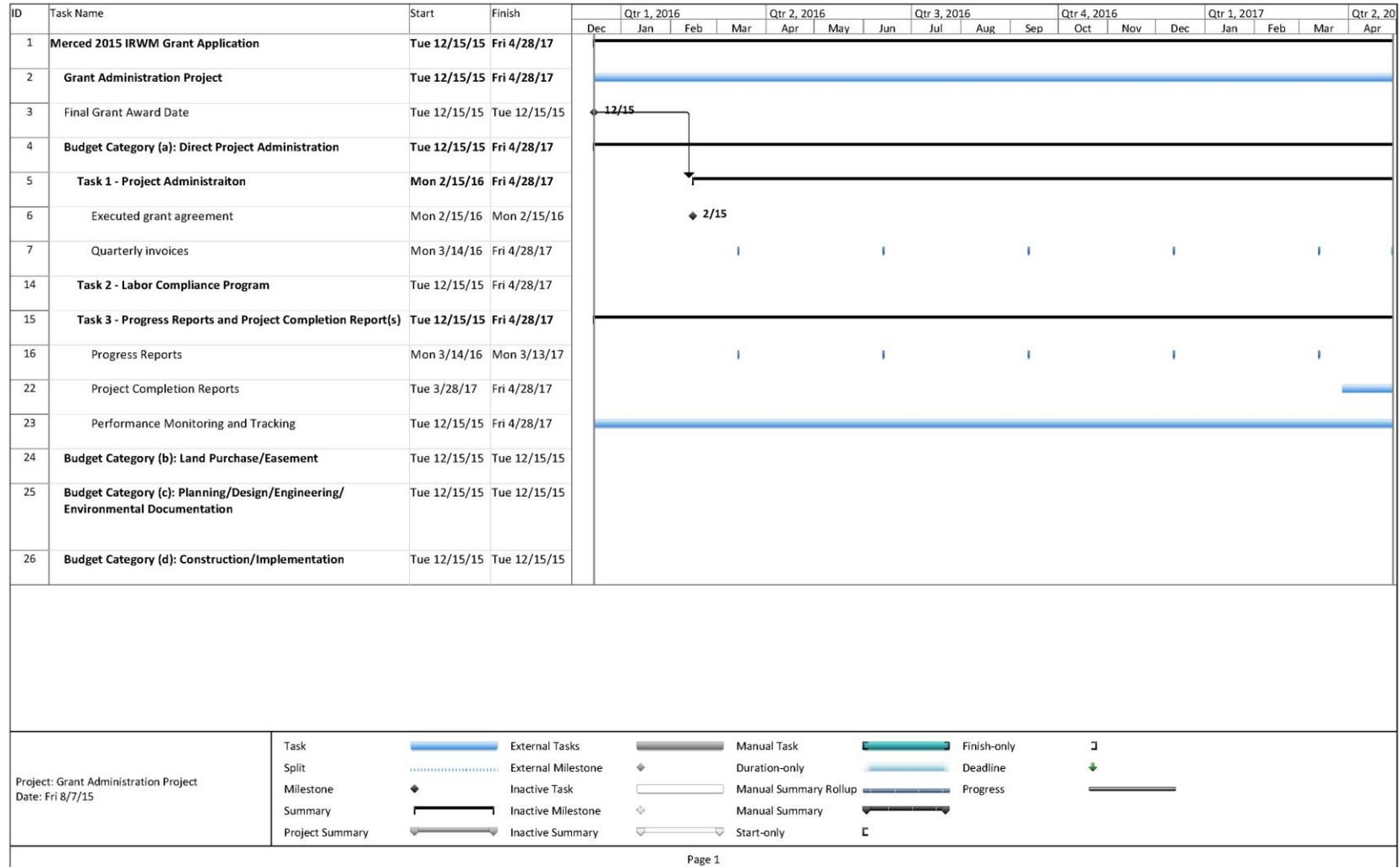


Figure 5-3: Project Schedule – Grant Administration



Proposal Schedule

The proposal schedule shown in **Figure 5-4** summarizes the schedule for each proposed project that would be implemented as part of this proposal. The following projects are summarized in the figure below:

- Atwater-McSwain Regulating/Recharge Basin Project
- UC Merced Surface Water Augmentation Project
- Grant Administration Project

Implementation of the entire proposal would be expected to be complete within approximately one and a half years.

