


LAKE COUNTY SPECIAL DISTRICTS

REPLACEMENT OF FOUR REDWOOD WATER TANKS IN SODA BAY CSA-20

PROJECT SCHEDULING ALTERNATIVES DISCUSSION TOPICS

1. Standard Design/Bid/Construction = Possible schedule extension required

<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: left;">  <p>PACE ENGINEERING <small>REDDING, CALIFORNIA</small></p> </div> <div style="text-align: center;"> EXHIBIT A Lake County Special Districts Replacement of Four Redwood Water Tanks In Soda Bay CSA-20 Cost Proposal & Schedule </div> </div>													
WORK TASK	2018						2019						
	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL
Task 1 - Prepare Preliminary Design Report													
a. Manage PACE staff													
b. Obtain and review Record Drawings for four tank sites													
c. Coordinate geotechnical investigation of four tank sites													
d. Surveying of four existing tank locations													
e. Produce topographic maps of four existing tank sites													
f. Determine seismic requirements for each tank site													
g. Site visit to review topographic map and determine temporary tank locations and misc.													
h. Determine temporary and permanent piping plans at each site													
i. Determine electrical requirements													
j. Identify utility conflicts													
k. Review geotechnical report of each tank site													
l. Develop cost alternatives for each tank site													
m. Develop alternatives analysis													
n. Estimate construction schedule													
o. Recommend project improvements and prepare preliminary project cost estimate													
p. Prepare draft Preliminary Design Report and issue electronic copy to team for review													
q. Receive and incorporate comments on draft Preliminary Design Report													
r. Issue copies of final Preliminary Design Report													
Task 2 - Prepare Contract Documents													
a. Prepare construction contract documents (90% plans and specifications)													
b. Estimate project construction costs													
c. Issue 90% contract documents													
d. Receive and incorporate 90% comments													
e. Issue 100% plans and specifications to team													
Task 3 - Services During Bidding and Periodic Construction Observation													
a. Upload project to CIP List													
b. Manage advertisement of the project													
c. Conduct pre-bid job walk													
d. Address questions during bidding													
e. Issue addendums as required													
f. Award Project													
g. Execute Contractor Agreement													
Task 4 - Services During Construction - Tanks critical path													
a. Contractor tank submittal review and approval													
b. Contractor issue PO to tank manufacturer - 14-16 week lead time for delivery													
c. Install/disinfect/bring online temporary tanks													
d. Grading and construct ring footings													
e. Geotechnical periodic construction observation													
f. Construction observation - dependent upon Contractor's performance													
g. Erect new tanks													
h. Disinfection and Testing													
i. Prepare Record Drawings													
j. Project Closeout													

2. Design/Bid/Build

3. Owner to pre-purchase bolted steel tanks due to lead time of 14-16 weeks