



August 20, 2019

Ms. Rebecca Li, P.E.  
Senior Civil Engineer  
City of Garden Grove  
Public Works Department  
Water Services Division  
13802 Newhope Street  
Garden Grove, CA 92843

**SUBJECT: Proposal for Additional Design Engineering Services and  
Services During Construction  
City of Garden Grove / Magnolia Reservoir and Pump Station**

Dear Ms. Li:

Kleinfelder is pleased to provide the City of Garden Grove this revised proposal for Engineering Services During Construction for the Magnolia Reservoir and Pump Station Project.

**Project Background**

The City of Garden Grove (the City) is rehabilitating the Magnolia Pump Station by replacing the existing pump, natural gas-powered engine, and associated mechanical, electrical, and instrumentation equipment. Also included in this project are upgrades to the interior lighting, pump room ventilation system, replacement of structural roof members with any noticeable deterioration, replacement of the glass of an existing window, replacement of an existing access door, and painting of the interior and exterior of the pump station, including painting of piping, mechanical equipment, control panels and rehabilitation of the existing reservoir. Design was completed more than two (2) years ago. The City requests additional engineering services and construction phase service.

**Scope of Work**

Before this project goes out to bid, Kleinfelder will provide review and responses to the City's comment on the original design plans and specifications, design of a new parking lot at the site, and engineering support services during the construction phase of the work, including meetings, responding to RFI's, reviewing submittals and preparation of record drawings, parking lot scope and fee and an allowance for miscellaneous items or change in scope.

**1. Final Plans**

- a. Review and update the plans and specifications. Review and respond to the City's comments on the plan and specification revisions for mechanical, civil, structural and electrical.
- b. Update opinion of probable construction cost.

**2. Engineering Services During Construction**

- a. Site Visits- Kleinfelder will attend three meetings/site visits at the construction site. There will be one person attending per site visit.
- b. Submittals- Kleinfelder will review up to 70 submittals and 10 re-submittals.
- c. RFIs- Kleinfelder will review and respond to up to 70 Requests for Information (RFIs).
- d. Clarification Sketches- Kleinfelder will prepare up to three clarification sketches.
- e. Record Drawings- Kleinfelder will prepare record drawings based on red line mark-ups prepared by the contractor.

**3. Miscellaneous- Items**

- a. An allowance for miscellaneous items for changes requested by the City.

**4. Design of the Magnolia Parking Lot**

- a. Kleinfelder will prepare construction documents for a proposed parking lot addition and fencing at the Magnolia Pump Station for the City of Garden Grove (City). The addition and fencing are proposed on the northwest corner of Magnolia Street and Joyzelle Drive. Scope includes:
  - b. General Notes, and Details
  - c. Existing Conditions/Demolition Plan, including survey.
  - d. Finish Grading/Site Plan at 1" = 20'
  - e. Based on the construction documents, Kleinfelder will also prepare an estimate of probable cost and specifications for the improvements.
  - f. Task Deliverables- two submittals:
    - g. Draft Construction Documents, Draft Cost Estimate, and Draft Specifications for City initial review.
    - h. Final Construction Documents, Cost Estimate, and Specifications addressing City comments on draft submittal.

**Estimated Budget**

The estimated budget for the scope of work described above will be \$146,130. The fee estimate spreadsheet is attached. This amount includes a credit for \$25,568, which is the remaining budget we have.


**Schedule**

We are prepared to start our services upon written authorization. We will endeavor to complete the services in a manner that will support the construction schedule.

Sincerely,

**KLEINFELDER, INC.**

  
Eric Ng, SE  
Project Manager  
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Attachment

**FEE SUMMARY**

**Magnolia Reservoir and Pump Station Engineering Services During Construction**

LABOR CATEGORY	13 - Senior Project Manager		12 - Principal Professional		10 - Project Professional		8 - Staff Professional II		7 - Professional II		TOTAL HOURS	LABOR FEE	UNIT AND EXPENSE FEE	SUB-CONSULTANT FEE	TOTAL FEE	
	8	12	14	12	28	8	20	20	8	3						50
Task 1 - Finalize PSE and Respond to City's Comments																
TASK 2 - Engineering Services During Construction	12	82	280	122	20	20	20	20	20	20	536	\$17,420	\$0	\$14,660	\$17,175	
TASK 3 - Miscellaneous	12	32	40	30	32	32	8	8	8	154	\$24,900	\$0	\$0	\$24,900		
TASK 4 - Parking Lot	23	20	4	0	0	62	4	4	4	113	\$17,790	\$0	\$7,908	\$25,903		
<b>LABOR HOURS</b>	<b>55</b>	<b>148</b>	<b>336</b>	<b>180</b>	<b>122</b>	<b>122</b>	<b>35</b>	<b>35</b>	<b>35</b>	<b>853</b>						

Billing rate (\$/hr) \$250.00 \$210.00 \$160.00 \$150.00 \$110.00 \$95.00

FEE	\$13,750	\$31,080	\$53,760	\$27,000	\$13,420	\$3,325	\$1,845	\$1,200	\$1,845	\$26,318	\$171,698
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Less Remaining Budget  
Adjusted Final Fee

	\$1,200	\$1,845	\$26,318	\$25,568
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\$ 25,568

\$146,130