



DATE SUBMITTED 10/30/19  
 SUBMITTED BY Public Services  
 DATE ACTION REQUIRED 11/06/19

COUNCIL ACTION  
 PUBLIC HEARING REQUIRED   
 RESOLUTION   
 ORDINANCE 1<sup>ST</sup> READING   
 ORDINANCE 2<sup>ND</sup> READING   
 CITY CLERK'S INITIALS

**IMPERIAL CITY COUNCIL  
 AGENDA ITEM**

SUBJECT: Engineering Services	DISCUSSION/ACTION: 1. Discuss, Approve/Disapprove proposal for Engineering Services from Webb Associates for Plate Settler Replacement.
DEPARTMENT INVOLVED: Water Treatment Plant	
BACKGROUND/SUMMARY: The existing plate settlers and sludge collection system are in need of replacement. They were repaired after the Easter earthquake but have now since been fatigued and worn beyond repair.	
FISCAL IMPACT: \$42,106 – Water 50-510-5430	FINANCE INITIALS _____
STAFF RECOMMENDATION: Approve	DEPT. INITIALS 
MANAGER'S RECOMMENDATION: n/a	CITY MANAGER'S INITIALS 
MOTION:  SECONDED: _____ APPROVED <input type="checkbox"/> REJECTED <input type="checkbox"/> AYES: _____ DISAPPROVED <input type="checkbox"/> DEFERRED <input type="checkbox"/> NAYES: _____ ABSENT: _____ REFERRED TO: _____	



October 30, 2019

**Corporate Headquarters**

3788 McCray Street  
Riverside, CA 92506  
951.686.1070

**Palm Desert Office**

36-951 Cook Street #103  
Palm Desert, CA 92211  
760.568.5005

**Murrieta Office**

41391 Kalmia Street #320  
Murrieta, CA 92562  
951.686.1070

Mr. Jackie Loper  
Public Services Director  
City of Imperial  
420 S. Imperial Avenue  
Imperial, CA 92251

RE: Proposal for Engineering Services for Plate Settler Replacement at the Water Treatment Plant.

Dear Jackie,

Pursuant to your request Albert A. Webb Associates (Webb) has prepared the following proposal to provide engineering services for the subject project. Webb's tasks will be to prepare final engineering plans and specifications ready for bidding and construction. The plans will include all necessary civil, and structural engineering design information and will be signed by a registered engineer in the state of California. Webb will also prepare the necessary paperwork required by CEQA, it is assumed that this project will qualify for Categorical Exemptions and no further environmental documentation or special studies will be required.

Based upon our understanding of the project, Webb's scope of work will include the following tasks:

**SCOPE OF SERVICES**

***Plate Settler Replacement***

The existing rapid mix, flocculation, and sedimentation basins are located in a concrete structure north of Pond 3. This structure consists of a two stage rapid mix basin, two parallel flocculation basins, and two parallel sedimentation basins. The two parallel sedimentation basins are each 25 feet x 20 feet x 21 feet deep (74,800 gallons each). The design detention time provided in each basin is 30 minutes at the maximum flow rate of 3.5 MGD in each basin, and the effective loading rate is 0.5 gpm/ft<sup>2</sup>. Each of the two sedimentation basins contains stainless steel plate settlers placed at 45 degrees from the vertical. The discharge of both sedimentation basins is connected and the common discharge routed to the filters. The sedimentation basins are equipped with traveling bridge sludge collectors and the sludge is discharged into sludge retention waste basins once or twice a week. The existing plate settlers and sludge collection system are in need of replacement. Webb will prepare the plans and specifications for replacement of the sedimentation basin equipment with a new stainless steel settling system.

1. Field visit and confirmation of dimensions by Webb.
2. Prepare plans, specifications and bid documents for construction.
3. Provide construction management services including:
  - a. Responding to contractor RFIs
  - b. Submittal review
  - c. Field inspection (Holt Group)
  - d. Field visits during construction

***Schedule and Compensation***

It is anticipated that the design will be completed within 8 weeks after the execution of contracts and notice to proceed. These services will be performed on a lump sum basis not to exceed \$42,106. A breakdown of the fee is included in the attached spreadsheet. Estimated Construction Cost is \$325,000.



[www.webbassociates.com](http://www.webbassociates.com)

### **CONSTRUCTION SERVICES**

Unless indicated elsewhere, the scope of construction services that Webb Associates will be providing for these projects are as follows:

1. Prepare bid addenda as necessary (assume 1 addendum)
2. Review contractor bids and provide recommendations for award
3. Respond to RFI's during bid period
4. Review contractor submittals
5. Attend a jobsite pre-construction meeting
6. Part time field inspection
7. Perform three field visits during construction and one field visit to verify project performance and compliance with construction documents.
8. Provide telephone/email coordination during construction
9. Prepare record documents based upon contractor's redline markups

### **PROJECT TEAM**

The primary personnel assigned to these projects will be as follows:

- Mr. Shane Bloomfield, PE (Senior Engineer) will serve as project manager and responsible engineer over this project.
- Mr. Brian Knoll, PE (Vice President) will serve as Principal-in-charge and will oversee the projects through completion.
- The Holt Group will provide inspection services for the project.

### **EXCLUSIONS**

The following items have been specifically excluded from Webb's scope of work for this project.

1. City will be responsible to post and file the Notice of Exemption with the appropriate authority
2. Preparation of permit applications and paying for permits unless specifically indicated in the proposed scope of work.

We thank you for the opportunity to continue working with the City of Imperial on this critical project. Should you have any questions, please contact me at (951) 686-1070.

Sincerely,  
ALBERT A. WEBB ASSOCIATES



Shane Bloomfield, P.E.  
Senior Engineer

Cc: Brian Knoll, WEBB

**MANPOWER AND FEE ESTIMATE  
CITY OF IMPERIAL**

Proposal for Design Engineering Services for:  
Plate Settler Installation

Task	Personnel Hours					Budget <sup>(1)</sup>	
Description	Principal Engineer	Senior Engineer	Associate Engineer	Project Coordinator	Total Hours		
						Labor	
<b>Task 1 - Plate Settler Installation</b>							<b>\$ 42,106</b>
1.1 - Design							\$ -
Design (Field Visit and 60% Plans)	6	16	30	4	56	\$	11,118
Design (100% Plans & Spec.)	6	10	20	4	40	\$	7,914
1.2 - Construction Management	6	24	4	4	38	\$	8,074
1.3 - Subcontractor - Inspection						\$	15,000
<b>TOTAL BUDGET</b>	<b>18</b>	<b>50</b>	<b>54</b>	<b>12</b>	<b>134</b>	<b>\$</b>	<b>42,106</b>

<sup>(1)</sup>The amounts indicated for each individual project task are estimated budget amounts and accordingly the actual amounts may be more or less than shown. However, the total budget will not be exceeded without written authorization from the City.