

Job No. 33760.B3.01  
Rev1

October 25, 2018

TRANSMITTED VIA EMAIL  
AND ORIGINAL MAILED

Jeff Edmonds, P.E.  
Director of Engineering Services  
City of Corpus Christi  
P. O. Box 9277  
Corpus Christi, Texas 78469

Subject: Nueces River Raw Water Pump Station Improvements  
Project No: E11068

Dear Jeff:

Urban Engineering has received a copy of and reviewed all of the bids submitted for the subject project. We have also received and reviewed the information required by Sections 00 45 16 Statement of Experience of the Contract Document submitted after the bid date. We have investigated and found the bid package and experience record of CSA Construction, Inc., the apparent low bidder, to be very satisfactory. Attached please find a Bid Tabulation and a copy of the information required by Sections 00 45 16 Statement of Experience.

The project was bid with a Base Bid and Additive/Deductive Alternates and CSA's bid results are as follows:

Base Bid:	\$12,980,000.00
Additive Alternate F1 (Pump #1 stainless steel impellor/bowl)	\$ 70,000.00
Deductive Alternate F2 (replace building instead of refurbish)	<u>\$ (100,000.00)</u>
Total Amount with Alternates	\$12,950,000.00

The bids received are higher than the estimate of probable construction cost, the low bidder being \$2,309,900 more than the estimate. It appears that the cost difference is attributed to several factors:

- Recent price increases in the construction market and possible impacts of tariff changes.
- Effect of having to modify the number of days and sequence of construction by addendum to keep the pump station in service, limiting the start of any construction affecting pumping operations until major equipment is scheduled for delivery and stretching the construction over 18 months.
- Underestimating the cost to isolate Pump Building No. 1 and to protect the existing concrete walls during wet well modifications. During the structural design it was determined that an earth retention system would have to be installed around the station and the soils removed until interior improvements completed.

- Additional work added by addendums that was not reflected in the original estimate, such as replacement of motor for Pump #9 in Pump Building No. 2 and involvement of Contractor with the refurbishment of the two mechanical bar screens at Pump Building No. 2. Additional Allowances were also added to the bid form by addendums.

We believe there were adequate bids submitted for this project and that the bids were competitive. A total of three bids were submitted and opened and the difference in Total Base Bids between the three bidders amounts to approximately 9.3 percent of the lowest bid amount. The closeness of the bids for the size of project is a good indicator of a representative project cost. Therefore, we believe the option of re-bidding the project would not have any effect on the bid prices. In review of the project it does not appear that the option to re-engineer the scope would be beneficial, there are not any significant portions of the package that could be cut or designed differently without greatly affecting the pump station pumping capacity and/or pumping reliability. In addition, re-engineering and rebidding would likely delay the project six to nine months.

In Table 2 of CSA's Statement of Experience, they list Electrical and Instrumentation to be provided by System Controls & Instrumentation (SCI) and CSA has provided documentation to show that SCI intends to have Prime Controls, Inc. provide the process controls (Prime Controls, Inc. is listed as an approved Process Control System Supplier). A copy of CSA's email is attached.

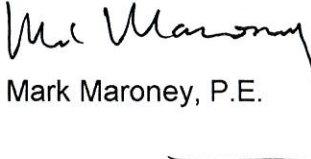
It is the recommendation of Urban Engineering that the subject project be awarded to CSA Construction, Inc., if the funds are available, for one of the bid amounts and alternatives as listed in the following.

Base Bid:	\$12,980,000.00
Base Bid Plus Additive Alternate F1	\$13,050,000.00
Base Bid Plus Deductive Alternate F2	\$12,880,000.00
Base Bid Plus Alternates F1 and F2	\$12,950,000.00

As a minimum, Urban Engineering recommends for award the Base Bid Plus Deductive Alternate F2 in the amount of \$12,880,000. An award to include Additive Alternate F1 should be based on input from Water Dept. Staff.

Sincerely,

URBAN ENGINEERING

  
Mark Maroney, P.E.

MM/ek  
Enclosure

xc: Alex Barabanov, P. E. – City  
Tim Robertson - CSA