

TO: James L. App, City Manager
FROM: Doug Monn, Public Works Director
SUBJECT: 21st Street Reservoir Maintenance
DATE: March 15, 2011

NEEDS: For the City Council to consider awarding a contract to Crosno Construction Inc. for repair work on the 21st Street Reservoir.

FACTS:

1. The 21st Street Reservoir provides potable water storage for all portions of the City west of the Salinas River.
2. The structure was constructed in 1928. The reservoir roof was added in the 1950s.
3. After eighty years of use, the reservoir is at the end of its life span.
4. The expected cost to replace the reservoir in 2003 was \$5.5M.
5. Reservoir replacement has been delayed as a result of ongoing budget challenges.
6. The current construction cost estimate for replacing the existing reservoir is \$7M.
7. A recent dive inspection revealed high-rate corrosion on steel support columns in the tank. The corrosion has considerably degraded the integrity of the structure.
8. Recoating of the steel columns to prevent further corrosion could lengthen their useful life at modest cost.

**ANALYSIS &
CONCLUSION:**

The reservoir roof trusses are supported by a concrete stem wall, concrete columns, and sixteen steel columns. The roof and supporting steel columns are in poor condition requiring substantial ongoing maintenance.

Replacement of the 21st Reservoir is a top priority. If the currently proposed water rates are implemented January 1, 2012 the construction of a replacement reservoir may begin as early as 2013.

Steel column coating repair work is recommended to prevent further degradation until the reservoir can be replaced. The scope of work includes sandblasting to remove the original coal tar coating, surface preparation and recoating with a National Sanitation Foundation (NSF) approved coating system. It is important that work commence as quickly as possible to allow time for the reservoir to be serviced, filled, and tested prior to onset of peak season beginning April/May 2011.

Abrasive blasting and recoating bids were sought to complete the repairs. The following firms submitted bids:

- 1) Crosno Construction Inc.
- 2) West Coast Industrial Coatings
- 3) American Coatings

Crosno Construction Inc. was the lowest qualified bidder. Based on the bid and demonstrated experience it is staff's recommendation that they be retained to perform the necessary repair work.

Depending on weather conditions it may be necessary to dehumidify the reservoir to allow coatings to properly cure. The need for dehumidification will be dictated by conditions at the time of application. Therefore, is should be included as a contingency item rather than part of the contract to avoid having to negotiate a deductive cost from the contractor if dehumidification is unnecessary.

POLICY

REFERENCE: California Code of Regulations, Title 22 /D.4/Ch 16

FISCAL

IMPACT: \$40,300 From the water operations fund:

Bid Amount	\$21,700
Contingency	
Dehumidification	\$15,000
10% Misc	\$ 3,600
<hr/>	
Total	\$40,300

- OPTIONS:**
- A. That the City Council Adopt Resolution No. 11-xx authorizing the City Manager to enter into a contract with Crosno Construction Inc. for repair work on the 21st Street Reservoir for a lump sum of \$21,700 and a contingency of \$18,600 for dehumidification and other as needed to complete the work.
 - B. Amend, modify or reject the above option.

Prepared by: Christopher Alakel, Water Resources Manager

- Attachments: (2)
- 1) Quotation
 - 2) Resolution



CROSNO

CONSTRUCTION INC.

819 Sheridan Rd., Arroyo Grande, CA 93420 Ph: (805) 343-7437 Fax: (805) 343-1006

Quote-

Company: City of Paso Robles
To: Mike Masser
Fax:
Phone: 805-391-6935
Subject: Blast & Coat Column

From: Wade Crosno
Date: 3/4/11
Fax: 805-343-1006
Phone: 805-343-7437
Pages: 1

Lump Sum Price: \$21,700

****prevailing wages, non-union company,**

Includes:

- Blast to SSPC-SP 10 Near White & Paint Qty (16) 5" Diameter Columns x 20 ft long inside concrete tank
- AWWA D102 ICS #2
- Rolling scaffolding. (wheels are large rubber tire similar to a small trailer)
- Coat columns to 12-15 mils with Devco 233 H NSF 61 Epoxy coating
- Removal of Sand from inside tank
- Per your spec emailed dated 3/2.

Exclusions:

- Disinfection of Tank- Add \$3,600 for use to do a chlorine rinse of the tank at 200 ppm
- Removal of any existing silt inside tank
- Dehumidification Add \$15,000 or district to provide if required. (not practical for this work)

Schedule- 1-2 weeks +2 weeks min cure before go back into service.

Regards, Wade Crosno Cell: 805-458-3958

CA license 835288, A, C51, C33

Crosno Construction Inc.
Phone 805-343-7437, Fax 805-343-1006



March 4, 2011

Mike Maaser
 Paso Robles Water Division
 (805) 237-3866 office
 (805) 391-6935 cell

RE: Tank Colum Coatings
PRT bid #: 31018
Project location: Paso Robles, CA

PRT is pleased to offer the below pricing based upon the attached RFQ. PRT pricing for below work is \$31,757.00. Pricing is based upon the following:

- California Prevailing wages
- All work done in accordance with SSPC standards and coated per AWWA D102-06 inside system No.1.
- Pricing includes In-House NACE LEVEL III Inspection at hold points of blast profile, coating mixing and application, and final holiday testing.
- Coatings is based upon
 - Pricing is based upon use of your scaffolding for blasting and coating operations. We would provide indemnification for any accidents and/or usage.
 - Blast each column from ground to roof structure (structure not included – only columns) to SSPC-SP10 (near white metal blast)
 - Coat in three coat system (12-15 MDFT) epoxy NSF61 approved via Devoe Coatings 233H.
 - Pricing does not include dehumidification – if needed to hold blast profile, add \$8,000.00
 - Pricing does not include dust collectors. Pricing is based upon open air blasting to 2-3 mil profile of near white metal and collection of spent abrasive via broom and shovels after completion of our scope of work.
 - All other equipment is to be covered by others while we paint the columns to avoid overspray.
- Schedule:

○ Execute Contract	02-03 days ARO
○ Submittals	03-05 days
○ Owner approval	TBD
○ Material procurement	03-04 days
○ Field coatings	08 workdays

Respectfully submitted,

Larry Wombles
 Paso Robles Tank Inc.
 West Coast Industrial Coatings Inc.

AMERICAN COATINGS

a D.F.K. CONST. CORPORATION

PAINTERS TO INDUSTRY & DEFENSE



March 4, 2011

Serial No.11- 43

City of Paso Robles
Attn: Mike Maaser
Fax: 805.237.3980
E-Mail: MMaaser@prcity.com

Reference: 21st Street Reservoir

Subject: Revised Bid for field sandblasting and epoxy coating of steel poles per revised specification dated March 2, 2011.

We propose to perform field sandblasting and painting as follows:

1. Construct scaffold and secure to poles to accommodate sandblast and painting operations..
2. Sandblast poles to SSPC SP10 (near white metal blast) to prepare for protective coating.
3. Immediately after sandblasting, apply one prime coat of Devoe 233H epoxy at 6 to 7.5 mills DFT.
4. Apply one finish coat of Devoe 233H epoxy at 6 to 7.5 mills DFT.
5. Clean out the spent sandblast media and dispose of offsite.

We understand Per Mike Maaser that the city of Paso Robles will re-calk the sleeves at the bottom of the poles after our sandblast and paint.

All work will be performed by trained Journeyman painters. All work will be performed in compliance with OSHA safety and confined space regulations. Materials and procedures will conform to air quality regulations.

Total Bid, labor, materials, and equipment:

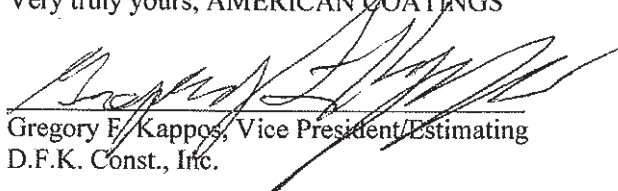
\$36,4500.00

Cost to dehumidify if needed per coating manufacturers specifications

Add \$58,500.00

Please call if you have any questions.

Very truly yours, AMERICAN COATINGS


Gregory E. Kappos, Vice President/Estimating
D.F.K. Const., Inc.

RESOLUTION NO. 11-xxx

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PASO ROBLES
AWARDING A CONTRACT FOR MAINTENANCE OF 21ST STREET RESERVOIR

WHEREAS, the 21st Street Reservoir is critical component of the City's water distribution system;

WHEREAS, the Reservoir must be serviced, filled, and tested prior to commencement of peak season;
and

WHEREAS, this work will prevent further decay of the steel structural elements until the reservoir is replaced.

THEREFORE, BE IT RESOLVED AS FOLLOWS:

SECTION 1. The City Council of the City of El Paso de Robles does hereby appropriate \$39,600 from Water Operations Fund to Budget Account No. 600-310-5221-165.

SECTION 2. The City Council of the City of El Paso de Robles does hereby authorize awarding a contract to Crosno Construction Inc in an amount not to exceed \$39,600.

PASSED AND ADOPTED by the City Council of the City of Paso Robles this 15th day of March 2011 by the following votes:

AYES:
NOES:
ABSTAIN:
ABSENT:

ATTEST:

Duane Picanco, Mayor

Caryn Jackson, Deputy City Clerk