



## Council Agenda Report

**From:** Kristin Ferravanti, Capital Projects Assistant Engineer

**Subject:** Recoating the Arsenic Removal Vessel at Sherwood Well No. 11

**Date:** September 19, 2017

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### Facts

1. Sherwood Well No. 11 is located south of the intersection of Fontana Road and Linne Road, and has a pumping rate of 800 gallons per minute. Sherwood Well No. 11 provides the City with approximately 8% of the City's total water supply.
2. Without wellhead treatment, Sherwood Well #11 would exceed the state mandated limit on arsenic. A pressure vessel with arsenic-removing media is used to remove arsenic from the well water. The arsenic removal facilities are a vital part of the City's water infrastructure and require periodic maintenance to remain operational.
3. The arsenic removal vessel utilized at Sherwood Well No.11 has become corroded and requires recoating for maintenance and continued operation.
4. Staff prepared bid documents to rehabilitate the vessel at Sherwood Well No. 11 and at the bid opening on July 27, 2017 no bids were received. Comments from contractors that attended the pre-bid meeting but chose not to submit a bid indicated that the project was too small to be worthwhile. Most of the contractors present at the pre-bid meeting were from out of the area and would need to truck the tank to their facility for recoating. The prior tank recoating project included two large tanks, where this project included only one smaller tank (thus the lack of interested bidders).
5. Staff contacted local contractor Crosno Construction, Inc. (Arroyo Grande as opposed to Bakersfield) and received a quote for \$32,010 (including a 10% contingency for the recoating). Staff reviewed the quote from Crosno Construction, Inc. and found pricing to be competitive and consistent with similar work performed at another well. The City has done prior work with Crosno so they were known to us as being good at this type of work. This bid is below the engineer's estimate.

### Options

1. Take no action;
2. Authorize the City Manager to enter into an agreement with Crosno Construction, Inc. for the amount of \$32,010 (including a 10% contingency for recoating) to complete the vessel recoating work for Sherwood Well No. 11;
3. Direct Staff to re-bid the project.

### Analysis and Conclusions

If we take no action, the vessel will continue to corrode and Sherwood Well No. 11 will be out of service until vessel recoating or replacement can be completed.

If we approve the resolution authorizing a contract with Crosno Construction, Inc, the vessel will be recoated and Sherwood Well No. 11, an important part of the City's water infrastructure, will be maintained and functional under State and Federal drinking water standards.

If we re-bid the project additional Staff time will be expended that is unlikely to result in more competitive bids.

Recoating of this type of treatment vessel is a tried and true method of maintaining these tanks. The City recently and successfully had some other vessels (like this) recoated at the other Sherwood well site. Replacing the tanks would be costly and unnecessary as these tanks are structurally sound.

**Fiscal Impact**

The adopted budget for FY 2017-18 includes \$515,500 for well rehabilitation. This is an appropriate use of ratepayer maintenance funding.

**Recommendation**

Authorize the City Manager to enter into an agreement with Crosno Construction, Inc. for the amount of \$30,800 (including a 10% contingency) for recoating plus 11 hours at \$110/hour for a total cost of \$32,010 for Sherwood Well No. 11, and authorize the City Manager and City Attorney to make minor changes to the agreement fully consistent with overall Council direction;

**Attachments**

1. Photos of interior of Sherwood Well No. 11 Vessel corrosion.
2. Quote for recoating work from Crosno Construction, Inc.



Vessel top head with nozzles with staining and scattered general corrosion. Interior view (existing condition, 4/11/17).



Nodules from localized corrosion on the interior at the manway neck (existing condition, 4/11/17).

**TITLE: PHOTOS OF CARBON VESSEL - INTERNAL**

**PROJECT:** City of Paso Robles, Sherwood Well 11 Vessel Rehabilitation Project

**DATE:** 4/13/2017

**Attachment No. 1**



**CROSNO**  
CONSTRUCTION INC.

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

**Quote**

<b>Company:</b> City of Paso Robles	<b>From:</b> Wade Crosno
<b>To:</b> Aaron Borden	<b>Date:</b> 8/16/17
<b>Fax:</b> <a href="mailto:ABorden@prcity.com">ABorden@prcity.com</a>	<b>Fax:</b> 805-343-1006
<b>Phone:</b> 805-227-7200 ext. 6804	<b>Phone:</b> 805-343-7437
<b>Subject:</b> Sherwood Well 11 Vessel Rehab Shop Coat	<b>Pages:</b> 1

**Shop Abrasive Blasting & Coating: \$ 28,000**  
**1 year warranty: \$4,500**  
**T&M Holiday Detection: \$110/hr per man hour**  
**\*\*prevailing wages field work only**

**Includes:**

- Unload at our shop
- Pressure Wash Exterior prior to blasting per specs
- Blast Interior and exterior
- Coordinate with inspection
- Confined space
- Coat per specs, except we reserve the option to coat the interior in 1 coat with a plural application.
- Holiday detection in the field is on a T&M basis.
- I have warranty listed as adder that is due upon initial project completion, if you want us to handle possible touch ups. Project is inspected, so the added cost for us to come up and handle small touch up is probably not worth it on this small of a project. We would need to handle confined space etc, so it is expensive.

**Exclusions:**

- Delivery or Pickup
- Any Valves, corp stops, or internal piping
- Hydro testing by others
- Bac-T & VOC testing-
- Excludes bonds, permits, fees, or inspection costs, or city business license if applicable, Special insurance language-based on standard forms, Contract terms other than CA public works standards

Regards, Wade Crosno Cell: 805-458-3958 **BASED ON ONE mobilization for tank erection, One for Coating.**  
**CA license 835288, A, C51, C33, DIR #1000006959**