



# City of Needles, California Request for Board Action

CITY COUNCIL       NPUA       BOARD OF PUBLIC UTILITIES  
 Regular       Special

**Meeting Date:** January 18, 2022

**Title:** Authorize Simon Sewer Maintenance to complete three (3) Manhole Geopolymer Rehabilitations in the amount of \$13,500, Wastewater Plant Transfer Well No. 1 Lift Station Geopolymer Rehabilitation in the amount of \$11,375 and Wastewater Plant Transfer Well No.2 Lift Station Geopolymer Rehabilitation in the amount of \$11,375 utilized Wastewater Asset Replacement Funds

**Background:** Staff have been conducting manhole inspections since 2019 and developing a changeout program for deteriorated and damaged manholes that need replacement or rehabilitation. In 2021, three (3) deteriorated manhole rehabilitation were completed on East Broadway at the entrance of the Wastewater Plant. The next phase of the project is to complete three (3) additional rehabilitation on Front Street and L Street. The project consists of removing and replacing 30 vertical feet of the manhole with geopolymer coating which adds 30 years of useful life to the manhole.

The Wastewater Plant has two wet well transfer lift stations which have deteriorated concrete and require immediate rehabilitation. In order to stay in operation only one wet well rehabilitation can be completed at a time. Therefore, each wet well will be completed separately at different times as such each has separate mobilization costs thus creating two separate capital projects. The project includes pressure washing the existing wet well and installing 225 square feet of geopolymer coating to re-strengthen the concrete which will add an additional 20 years of useful life to the wet well lift stations at the plant. There has been no rehabilitation to the transfer wet well lift station since the plant was built.

There has been no additional contractor found that can complete the geopolymer coating on wastewater infrastructure.

**Fiscal Impact:** As of November 30, 2021, the Wastewater Asset Replacement fund has \$336,716 available, proposed capital improvement projects would reduce the fund by \$36,250. *SM 1/11/22* Sylvia Miledi

**Recommended Action:** Authorize Simon Sewer Maintenance to complete three (3) Manhole Geopolymer Rehabilitations in the amount of \$13,500, Wastewater Plant Transfer Well No. 1 Lift Station Geopolymer Rehabilitation in the amount of \$11,375 and Wastewater Plant Transfer Well No.2 Lift Station Geopolymer Rehabilitation in the amount of \$11,375 utilized Wastewater Asset Replacement Funds

**Submitted By:** Rainie Torrance, Assistant Utility Manager

**City Management Review:** *Kick*      **Date:** *1/12/22*

Approved: <input type="checkbox"/>	Not Approved: <input type="checkbox"/>	Tabled: <input type="checkbox"/>	Other: <input type="checkbox"/>
		Agenda Item: <u>5</u> :	

# **Simon Sewer Maintenance**

**A Division of SIMON FAMILY ENTERPRISES, INC.**  
**Jay Simon**



**P.O. BOX 616**  
**FLORENCE, AZ.**  
**85132 USA**  
**CELL (520) 360-0383**  
**PHONE (520) 868-0163**  
**WEBSITE: [www.SimonSewer.com](http://www.SimonSewer.com)**  
**EMAIL: [jhsimon@simonsewer.com](mailto:jhsimon@simonsewer.com)**

January 10, 2022

CITY OF NEEDLES  
817 THIRD STREET  
NEEDLES, CALIFORNIA 92363 USA

ATTN: Rainey Torrance, [NdlsAcct@Citlink.net](mailto:NdlsAcct@Citlink.net)

RE: **Proposal:** Needles, Lift Station #1 Geopolymer Rehabilitation Project

We are pleased to offer the following proposal to provide Geopolymer lining for 225 SF on one lift station. Our proposal is based upon correspondence with your team via email, on site visit, and phone. This proposal includes providing labor, material, supervision, and equipment necessary to complete the scope of work listed below.

**Scope of work performed by Advanced Enviro Cure Services:**

- Proposal based on an approximate of 225 square feet for lift station
- Provide pre-work submittal
- Mobilize equipment and personnel necessary to complete structure rehabilitation
- Typical surface preparation
- Spray application of Geopolymer

Item No.	Description	Qty	Unit	Rate	Total
1	Mobilization	1	EA	\$1,250	\$1,250
1	Geopolymer Lining - (1" Thickness) - 1 Lift Station	225	SF	\$45	\$10,125
<b>TOTAL PROPOSAL</b>				<b>\$11,375</b>	

*Please note, this pricing does NOT INCLUDE the cost for the following items on the next page:*

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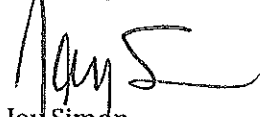
- Furnishing bid, performance, or payment bonds – add 1.5% if required
- Bypass Pumping
- Traffic Control
- Non-weather- related delays
- Pressure Grouting
- Well Point/Dewatering to lower water table
- Material Disposal
- Site clearing or excavation
- Site Restoration
- Permits or Fees

General Notes & Conditions:

- Customer to provide access and locations to the life stations and manholes
- Customer to provide access to potable water supply and hydrant
- We shall not be responsible for any surface damage to surrounding surfaces
- Pricing valid for 30 days
- Pricing based on 12hr workday/6-day work week
- Each additional mobilization shall be charged separately

Thank you for the opportunity to submit our quote for your project. Should you have any questions or require additional information, please do not hesitate to contact me. If all is acceptable please sign the quote and email a copy back to us.

Sincerely,



Jay Simon

Proposal Accepted by: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_

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ATTN: Rainey Torrance, [NdlsAcct@Citlink.net](mailto:NdlsAcct@Citlink.net)

RE: **Proposal:** Needles, Lift Station #2 Geopolymer Rehabilitation Project

We are pleased to offer the following proposal to provide Geopolymer lining for 225 SF on one lift station. Our proposal is based upon correspondence with your team via email, on site visit, and phone. This proposal includes providing labor, material, supervision, and equipment necessary to complete the scope of work listed below.

**Scope of work performed by Advanced Enviro Cure Services:**

- Proposal based on an approximate of 225 square feet for lift station
- Provide pre-work submittal
- Mobilize equipment and personnel necessary to complete structure rehabilitation
- Typical surface preparation
- Spray application of Geopolymer

Item No.	Description	Qty	Unit	Rate	Total
1	Mobilization	1	EA	\$1,250	\$1,250
1	Geopolymer Lining - (1" Thickness) - 1 Lift Station	225	SF	\$45	\$10,125
<b>TOTAL PROPOSAL</b>				<b>\$11,375</b>	

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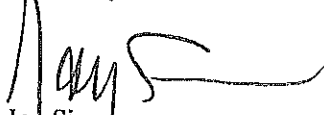
- Furnishing bid, performance, or payment bonds – add 1.5% if required
- Bypass Pumping
- Traffic Control
- Non-weather- related delays
- Pressure Grouting
- Well Point/Dewatering to lower water table
- Material Disposal
- Site clearing or excavation
- Site Restoration
- Permits or Fees

General Notes & Conditions:

- Customer to provide access and locations to the life stations and manholes
- Customer to provide access to potable water supply and hydrant
- We shall not be responsible for any surface damage to surrounding surfaces
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ATTN: Rainey Torrance, [NdlsAcct@Citlink.net](mailto:NdlsAcct@Citlink.net)

RE: **Proposal:** Needles, Manhole Geopolymer Rehabilitation Project

We are pleased to offer the following proposal to provide Geopolymer lining for 30 VF on three manholes. Our proposal is based upon correspondence with your team via email, on site visit, and phone. This proposal includes providing labor, material, supervision, and equipment necessary to complete the scope of work listed below.

**Scope of work performed by Advanced Enviro Cure Services:**

- Proposal based on an approximate of 30 vertical feet for manholes
- Provide pre-work submittal
- Mobilize equipment and personnel necessary to complete structure rehabilitation
- Typical surface preparation
- Spray application of Geopolymer

Item No.	Description	Qty	Unit	Rate	Total
1	Geopolymer Lining - (1" Thickness) - 3 Manholes	30	VF	\$450	\$13,500
<b>TOTAL PROPOSAL</b>			<b>\$13,500</b>		

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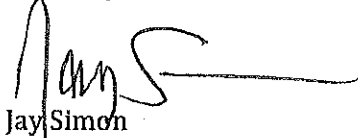
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