

BOCC APPROVAL APRIL 17, 2019

BOARD OF BIDS AND CONTRACTS APRIL 11, 2019

3. WEST YARD FABRIC MEMBRANE SALT STORAGE STRUCTURE -- PUBLIC WORKS

FUNDING -- SALT STORAGE WEST YARD

(Request sent to 27 vendors)

RFB #19-0026 SC # 8000145469

Engineer's Estimate: \$230,300.00	A&B Construction LTD	Greystone Construction Company
Engineer's Estimate Alternate #1: \$260,300.00		
LS, Base Bid, Salt Storage Structure (80' x 100')	\$76,113.00	\$183,500.00
Alternate #1 - Front Wall Addition, 2 Ea.	\$10,169.00 Ea.	\$10,714.00 Ea.
	\$20,338.00	\$21,428.00
Grand Total	\$96,451.00	\$204,928.00
Bid Bond	Y	Y
No Bid	Bauer & Son Construction	Bulk Storage, Inc.
	Clearspan Fabric Structures	DCT Buildings
	Dondlinger Construction	Form Systems
	Larry Cook Construction, LLC	Structures Unlimited, LLC

On the recommendation of Josh Lauber, on behalf of Public Works, Russell Leeds moved to **accept the low bid from A&B Construction LTD in the amount of \$96,451.00**. Richard Powell seconded the motion. The motion passed unanimously.

The purpose of this project is to replace a detreated metal roof of an existing salt storage structure at the Public Works West Yard. The West Yard is located at 4701 S. West St. Public Works has chosen to use a fabric cover for the new salt storage building, which is becoming the standard for such uses due to its low square foot cost of construction and minimal foundation requirements. It also requires less artificial lighting due to the permeability of natural light through the fabric cover. The building walls will remain in-place with no decrease in storage capacity. This will be the second fabric structure for this use by Public Works.

The original metal roof was constructed in 1993. It has deteriorated due to age and severe salt corrosion. The fabric structure will be designed to withstand high wind loads of up to 92 mph without damage. If the fabric is damaged as a result of EF-2 or greater winds, it can easily be repaired.

Questions and Answers

Richard Powell: Is there any concern for damage from large hail?

Jim Weber: I don't think we've talked about that. If you drive around the country, these are all over the place. I don't think hail has been an issue for them. They are fabric structures so a lot of the cost of this is the steel framework, which typically would not be damaged. If we lose fabric, we would replace the fabric. We have one at the North Yard we did in 2015 that had some minor damage from a windstorm and it was a matter of tuning it up. It's kind of a big tent and there's straps you have to tighten up or sew a patch in.

Russell Leeds: So low square footage cost does represent some type of identifiable savings over a traditional roof?

Jim Weber: Definitely. The difference between this one and the one at the North Yard, is the North Yard we had to start from scratch. We put a floor in and built a concrete wall that would withstand the load of salt that is stacked in. The concrete structure this building sits on today is in great shape so we get to reuse all of that. We'll have a separate contract for a demolition contractor to come and take the steel off of this thing and this group will come in and put the new structure up on top of it and will be ready to go. They are very nice in terms of getting a lot of light into them. There's less there to corrode. The steel structure is a hot dipped galvanized structure, which will do a lot better job withstanding the wind. The building that was there was a red iron steel building. If you're on the CIP, you can see the pictures. Literally we have steel members that are rusting out at the bottom and kicking out on us. So it's become time to do something before it falls in on somebody.