

**SPECIAL CALLED MEETING
BOARD OF DIRECTORS**

Boardroom

October 13th, 2014

5:30 p.m.

AGENDA

1. Call to Order Mayor Charles Hollingshead
2. Invocation
3. Consider Change Order #1 for the Malone Drive Tank Repaint
4. Adjournment

CHANGE ORDER

(Instructions on reverse side)

No. 1

ARKADELPHIA WATER & SEWER MALONE DRIVE TANK REPAINT - LR14-5729
PROJECT. REPAINT OF 1,000,000 GALLON ELEVATED WATER TANK.....

DATE OF ISSUANCE.....10/08/2014..... EFFECTIVE DATE.....10/08/2014.....

OWNER.....City of Arkadelphia.....

OWNER's Contract No.....LR14-5729.....

CONTRACTOR.....Protective Linings & Coatings, Inc. ENGINEER.....McClelland Consulting Engineers, Inc.....

You are directed to make the following changes in the Contract Documents.

Description: Add \$34,500 for Brush Blasting tank exterior; Remove \$14,500 for reducing intermediate epoxy coat

Reason for Change Order: The existing clear coat requires that the surface be abraded to receive a new coat of paint. The surface profile achieved by brush blasting negates the need for an intermediate coat.

Attachments: (List documents supporting change) List of Contract Modifications

CHANGE IN CONTRACT PRICE:	CHANGE IN CONTRACT TIME:
Original Contract Price \$ <u>225,180.00</u>	Original Contract Times Substantial Completion: <u>75 days</u> Ready for Final payment: _____ days or dates
Net changes from previous Change Orders No. ___ to No. ___ \$ <u>0.00</u>	Net changes from previous Change Orders No. ___ to No. ___ _____ days
Contract Price Prior to this Change Order \$ <u>225,180.00</u>	Contract Time Prior to this Change Order Substantial Completion: <u>21 days</u> Ready for Final Payment: _____ days or dates
Net Increase (decrease) of this Change Order \$ <u>20,000.00</u>	Net Increase (decrease) of this Change Order <u>21</u> days
Contract Price with all approved Change Orders \$ <u>245,180.00</u>	Contract Time with all approved Change Order Substantial Completion: <u>96 days</u> Ready for Final Payment: _____ days or dates

RECOMMENDED:
By: _____
Engineer (Authorized Signature)
Date: _____

APPROVED:
By: _____
Owner (Authorized Signature)
Date: _____

ACCEPTED:
By: _____
Contractor (Authorized Signature)
Date: _____

LIST OF CONTRACT MODIFICATIONS

No. 1

ADD BRUSH BLAST:

Perform a brush blast to physically remove the degraded top coat on the roof and to abrade the clear coat on other areas of the tank.

This change shall result in a contract increase of \$34,500.00.

REMOVE 70% OF INTERMEDIATE EPOXY:

On the roof, where the existing coating system is degraded, apply an epoxy intermediate coat following brush blasting.

On the sides and belly of the tank, omit the intermediate epoxy coat and apply the urethane top coat directly to the abraded surface created by brush blasting.

This change shall result in a contract reduction of \$14,500.

INCREASE CONTRACT TIME:

An extension of 21 days shall be added to the contract time to allow for the additional work required to brush blast the entire tank.

Brenda Gills

From: Jacob Gillip <jgillip@mcclelland-engrs.com>
Sent: Wednesday, October 08, 2014 3:08 PM
To: Brenda Gills
Cc: bhicks@mcclelland-engrs.com
Subject: Arkadelphia Malone Tank :: Recommended Change Order #1
Attachments: 14-5729 Change Order No. 1.pdf

RE: Proposed Change Order in Response to Tank Coating Conditions

Dear Brenda,

Here is an explanation of the status of the Malone Drive Tank Repaint and recommendations to proceed on the project.

Roof of Tank

Upon pressure washing the roof of the tank, it became evident that the coating system on the roof had deteriorated since the original inspection. The paint was peeling badly in spots, and the surface is very uneven. Carey Gould (PLC), Myron McWherter (Tnemec), and Scott Brecht (MCE) have all examined this surface and determined that it cannot be over-coated without physically removing the peeling paint.

A brush blast (light sand-blast) will be necessary to remove the degraded top coat. Following the brush blast, both an epoxy intermediate coat and a urethane top coat will be needed.

Sides and Belly of Tank

After the sides and belly of the tank were pressure-washed, Myron McWherter (Tnemec) examined the paint on the sides and belly of the tank. Due to the clear coat, the underlying coating system has held up well. The urethane top coat beneath the clear coat is in good condition and therefore negates the need for the intermediate epoxy coat as specified.

On the sides and bottom of the tank, a brush blast will be necessary to remove or abrade the clear coat. Following the brush blast, a new urethane top coat could be applied directly to the abraded existing coating. With this recommendation, the intermediate epoxy coat could be omitted over this portion of the tank.

Recommended Change Order

After requesting estimate from the contractor and consulting with Tnemec's coating systems representative, the following revisions are recommended:

Original Contract Amount	\$225,180
Remove 70% of intermediate epoxy	- 14,500
<u>Add Brush Blasting of Entire Tank</u>	<u>+ 34,500</u>
REVISED CONTRACT AMOUNT	\$245,180

The brush blasting is a more expensive process due to the complexity of brush blasting and special equipment requirements necessary to achieve an even abrasion of the surface on the sides and belly of the tank.

This represents a total change order amount of \$20,000. Also, due to the additional work required to brush blast the tank, it will require a contract extension of 21 days.

Due to the time of year in which we are working, it is important that this decision be made as quickly as possible so as to avoid pushing this work into the winter months during which painting cannot be performed. If the temperature gets below 50 to 55° F, painting becomes very difficult, as the paint cures at a much slower rate.

I have attached a proposed Change Order #1 that documents these changes.

Sincerely,

Jacob Gillip, P.E.
Project Engineer



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