



ST. CHARLES  
SINCE 1834

## AGENDA ITEM EXECUTIVE SUMMARY

Title: Recommendation to Approve Change Order #1 for Main Treatment Plant Headworks Project

Presenter: John Lamb

*Please check appropriate box:*

	Government Operations	X	Government Services 08.22.11
	Planning & Development		City Council
	Public Hearing		

Estimated Cost:	\$54,145.00	Budgeted:	YES	X	NO	
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If NO, please explain how item will be funded:

**Executive Summary:**

Staff is requesting approval of Main Plant Headworks Project Change Order #1 in the amount of \$54,145.00. Change order is for the following additional work:

1. Add temperature sensors for three primary sludge pumps. No current controls for overheating of pumps that would result in pump damage. \$3,171.00
2. Replace faulty convertor electronics board on ozone generator, board is beyond repair and was not known at time of estimate. Ozone generator provides odor control for area. \$2,057.00
3. Remove and replace motor control center (MCC), beyond service life. Unit provides power to equipment at plant headworks. Panel was supposed to have been budgeted in original contract but missed due to pricing availability and contract logistics. Replacing panel during project saves approximately \$20,000.00 from installing at later date. \$46,000.00

Funds are budgeted and available for change order.

**Attachments: (please list)**

Change Order Forms and Contact Modification Requests 1-3.

**Recommendation / Suggested Action (briefly explain):**

Staff recommends approval of Main Plant Headworks Change Order #1 in the amount of \$54,145.00.

<i>For office use only:</i>	<i>Agenda Item Number: 3.k</i>
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**Change Order No: 1**

Date: July 6, 2011

Date of Agreement: April 4, 2011

Project: **City of St. Charles – Headworks Rehabilitation**

Job Number: **STC-071**

Owner: **City of St. Charles  
2 East Main Street  
St. Charles, Illinois 60174**

Contractor: **Hampshire Hydro, LLC  
P.O. Box 171  
Hampshire, Illinois 60140**

The following changes are hereby made to the CONTRACT DOCUMENTS:

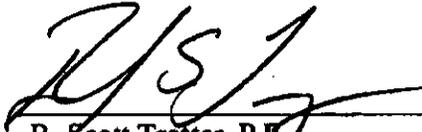
Justification:

Original Contract Price	\$606,252.00
Amount of Previous Change Order(s)	\$0.00
Current Contract Price adjusted by Previous Change Order(s)	\$606,252.00
Change in Contract Price Due to this Change Order	\$54,145.00
Contract Price Including this Change Order	\$660,397.00

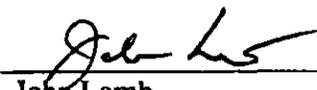
Original Contract Time	270	Calendar Days
Previous Changes to Contract Time	0	Calendar Days
Current Contract Time adjusted by Previous Change Orders	270	Calendar Days
Change to Contract Time	0	Calendar Days
Contract Time including this Change Order	270	Calendar Days

Approvals:

Requested  
by:

  
\_\_\_\_\_  
R. Scott Trotter, P.E.  
Senior Project Manager  
Trotter and Associates, Inc.

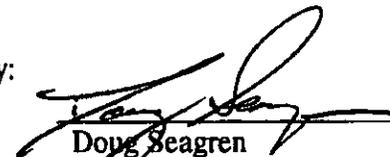
Recommended  
by:

  
\_\_\_\_\_  
John Lamb  
Environmental Services Mngr.  
City of St. Charles

Ordered  
by:

\_\_\_\_\_  
Hon. Donald. D. DeWitte  
Mayor  
City of St. Charles

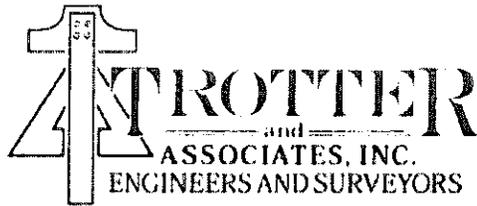
Accepted by:

  
\_\_\_\_\_  
Doug Seagren  
President  
Hampshire Hydro, LLC

**City of St. Charles - Headworks Rehabilitation  
Summary of Change Order #1**

<b>No.</b>	<b>Description</b>	<b>Amount</b>	<b>Days</b>
1	Installation of temperature probe, digital controller and replacement front covers	\$ 3,171.00	0
2	Replace converter electronics board on ozone generator	\$ 4,974.00	0
3	Remove and replace MCC	\$ 46,000.00	0
<b>TOTAL FOR CHANGE ORDER #1</b>		<b>\$ 54,145.00</b>	<b>0</b>

Original Contract Price	\$ 606,252.00
Previous Change Orders	\$0.00
Current Contract Price adjust by Previous Change Orders	\$ 606,252.00
Contract Price due to this Change Order will be adjusted by	\$ 54,145.00
Contract Price including this Change Order	\$ 660,397.00



40W201 Wasco Road, Suite D - St. Charles, Illinois 60175  
Phone: 630/587-0470 - Fax: 630/587-0475

**Contract Modification Request No.** 1      **Date:** 6/15/11

**To:** Doug Seagren      **From:** Jerry Ruth  
President      Resident Project Representative  
Hampshire Hydro      Trotter and Associates

**Project:** City of St. Charles - Headworks Rehabilitation  
STC-071

**Owner:** City of St. Charles      **Contractor:** Hampshire Hydro  
2 East Main Street      P.O. Box 171  
St. Charles, Illinois 60174      Hampshire, Illinois 60140

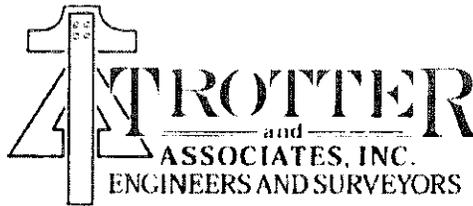
**It has been requested that a Contract Modification be initiated to the above referenced contract. The following information is provided as backup data:**

- 1. Scope of Work (Provide Attachments if Needed):** Provide temperature sensors for Primary Sludge Pumps P-1201, P-1202 and P-1203. The intent of these control elements is to be able to monitor the pump temperature as well as shutdown the respective pump on a high temperature event and send an alarm to the City's SCADA system.
- 2. Reason for Modification:** After the installation of Borger Rotary Lobe Sludge Pumps on another project, it was evident that the pumps were overheating and damage was done to the pump as a result. To determine the cause of this, the conditions of the pump need to be monitored to compare with operational activities. However, there are no controls or monitoring elements called for on the plans or in the specifications for these pumps.
- 3. Approximate Cost Change to Contract Price:** \$3,171.00
- 4. Additional Contract Time to Complete Modification:** 0 days
- 5. Attachments:**  
Price Proposal Letter from Hampshire Hydro, dated 6/14/11  
Quotation #Q009148 from Borger, dated June 1, 2011

**Prepared by:** Jerry Ruth      **Approved by:** John Lamb  
Jerry Ruth      John Lamb  
Resident Project Representative      Environmental Services Manager

**Date:** 6/15/11      **Date:** 6/22/11

**Cc:** John Lamb, City of St. Charles  
File (STC071-7.27)



40W201 Wasco Road, Suite D - St. Charles, Illinois 60175  
Phone: 630/587-0470 - Fax: 630/587-0475

**Contract Modification Request No.** 2      **Date:** 6/15/11

**To:** Doug Seagren      **From:** Jerry Ruth  
President      Resident Project Representative

**Project:** City of St. Charles - Headworks Rehabilitation  
STC-071

**Owner:** City of St. Charles      **Contractor:** Hampshire Hydro  
2 East Main Street      P.O. Box 171  
St. Charles, Illinois 60174      Hampshire, Illinois 60140

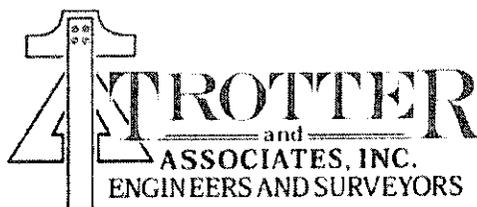
**It has been requested that a Contract Modification be initiated to the above referenced contract. The following information is provided as backup data:**

- 1. Scope of Work (Provide Attachments if Needed):** Replace faulty converter electronics board on ozone generator.
- 2. Reason for Modification:** During the rehabilitation of the ozone equipment, a converter electronics board was found to be beyond repair.
- 3. Approximate Cost Change to Contract Price:** \$4,974
- 4. Additional Contract Time to Complete Modification:** 0 days
- 5. Attachments:**
  - Price Proposal from Hampshire Hydro, dated 6/14/11
  - E-mail from John Gaudaur (O.W.S.) to Doug Seagren (H.H.), dated 5/27/11 (1 page)
  - E-mail from John Gaudaur (O.W.S.) to Doug Seagren (H.H.), dated 6/7/11 (2 pages)
  - Quote from Ozone Water Systems, Inc. dated 6/6/11

Prepared by: Jerry Ruth      Approved by: John Lamb  
Jerry Ruth      John Lamb  
Resident Project Representative      Environmental Services Manager

Date: 6/15/11      Date: 6/15/11

Cc: John Lamb, City of St. Charles  
File (STC071-7.27)



40W201 Wasco Road, Suite D - St. Charles, Illinois 60175  
Phone: 630/587-0470 - Fax: 630/587-0475

**Contract Modification Request No.** 3      **Date:** 6/15/11  
**To:** Doug Seagren      **From:** Jerry Ruth  
President      Resident Project Representative  
**Project:** City of St. Charles - Headworks Rehabilitation  
STC-071  
**Owner:** City of St. Charles      **Contractor:** Hampshire Hydro  
2 East Main Street      P.O. Box 171  
St. Charles, Illinois 60174      Hampshire, Illinois 60140

It has been requested that a Contract Modification be initiated to the above referenced contract. The following information is provided as backup data:

- Scope of Work (Provide Attachments if Needed):** Remove and replace MCC-1200.
- Reason for Modification:** Existing MCC is beyond its service life. It provides power to the existing equipment that is within the scope of this project to be removed and replaced, as well as to two air-handling units, a grit classifier, and a scum pump. Doing this work in conjunction with the replacement of the equipment it feeds will reduce the cost of replacing this MCC significantly.
- Approximate Cost Change to Contract Price:** \$46,000.00
- Additional Contract Time to Complete Modification:** 0 days
- Attachments:**  
Price Proposal from Hampshire Hydro, dated 6/14/11  
Quote from Tri-R Systems, Inc., dated 6/13/11

Prepared by: Jerry Ruth  
Jerry Ruth  
Resident Project Representative

Date: 6/15/11

Approved by: John Lamb  
John Lamb  
Environmental Services Manager

Date: 6/20/11

Cc: John Lamb, City of St. Charles  
File (STC071-7.27)