

**June 17, 2014**

**To: Mayor Bemrich and City Council**

**From: David Fierke, City Manager**

**Subject: Water and Waste Water System Improvements  
North Central Ag Park Expansion – Water System Improvements  
2011, Phase B: Water Treatment Plant Section 1: High Service  
Pumps and Stand-by Power – Change Order #4 & Pay Estimate  
#12 Sub-final – Rice Lake Construction**



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**ACTION: For vote Monday, June 23, 2014**

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**Brief History**

The City is currently under order from the Iowa Department of Natural Resources (IDNR) to install stand-by power of adequate capacity at City wells and the John W. Pray Water Treatment Plant to pump and treat average day water demand. The City contracted with Stanley Consultants, Inc. in 2009 for design and bidding of the stand-by power project. The scope of the Stanley project included stand-by power at Wells 14, 16, 17, and the water treatment plant. The budgeted amount for the stand-by power project is \$3,000,000 and is planned to be financed using the SRF loan program and paid back through water utility rates.

The current proposal is to re-design the electrical improvements to provide 480V service and bid the stand-by power project with the water treatment plant project associated with the Ag-Park expansion. The scope of the electrical improvements in this project would include the following:

- 480V, 3 phase stand-by power system for Water Treatment Plant
- 480V, 3 phase service entrance equipment for Water Treatment Plant (not included in Stanley scope)
- 480V, 3 phase variable frequency drives (VFD) for four new high service pumps and motors in Water Treatment Plant (not included in Stanley scope)
- Chlorine feed metering and chlorine residual monitoring improvements (not included in Stanley scope)
- 480V, 3 phase standby power system for Airport Water Tower Booster Station (not included in Stanley scope)

On March 26, 2012 Council approved an agreement with Krishna Engineering Consultants for the design of the electrical improvements at the Water Treatment Plant. They will work closely with McClure Engineering. The cost of these services will be a lump sum of \$300,000.00.

Stanley's contract was amended to complete the stand-by power project at Wells 14, 16, and 17, per the original agreement.

A contract was awarded to Rice Lake Construction on June 11, 2012 in the amount of \$2,438,600.00. Change Order #1 was necessary to revise original contract to include replacement of pump control valves and additional thermo-protection. The cost of Change Order #1 was \$155,483.00 and was approved on January 28, 2013. \$65,000 of that amount came from the contingency fund. The contract price increased \$90,483.00. Change Order #2 was approved in the amount of \$6,356.00 and included the relocation of existing plumbing hot water lines in the treatment plant basement. Change Order #3 was necessary to add drain pans installed below the water piping to prevent potential leaks from dripping into VFD's. The cost of Change Order #3 was \$3,520.00

The Contractor, Rice Lake Construction has completed the work specified in the contract documents. McClure Engineering submitted the Statement of Substantial Completion, which was approved on October 28, 2013.

Pay Estimate #11 Sub-final was approved for payment to Rice Lake Construction in the amount of \$74,754.36 on December 16, 2013.

#### **Analysis of Issue**

Change Order #4 includes a number of changes which are described in the attached document and will result in a \$33,877.94 increase to the contract. The total contract is now \$2,572,836.94.

Pay Estimate #12 Sub-final is now due as a partial release of retainage to Rice Lake Construction in the amount of \$32,184.04.

#### **Budget Impact**

These services will be paid by Water SRF Loans and will be paid for by water funds. It will be part of the larger Ag Park Expansion loan.

#### **Strategic Plan Impact**

Policy D.4.2: Advanced planning for all infrastructure facilities shall be supported and routinely updated. Facilities benefited by advanced planning shall include, at minimum, schools, health care, residential areas, roads, water, sewer, storm water management, parks, recreation, and greenways.

Policy D.4.1: Recognizing that infrastructure has a powerful influence on growth and development, the availability of infrastructure (along with other factors) should determine where development will occur in the city, rather than the other way around.

#### **Impact on Existing Plans**

None

**Committee Review / Recommendation**

This project has been discussed at several council meetings and workshops.

**Staff Conclusions / Recommendations**

It is our recommendation to approve Change Order #4, as well as Pay Estimate #12 Sub-final in the amount of \$32,184.04 to Rice Lake Construction.

**Alternatives**

No practical alternatives are suggested to stay on schedule with this project.

**Implementation and Accountability**

McClure Engineering will be responsible for overseeing this project.

Signed



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Chad W. Schaeffer, P.E.  
City Engineer

Approved



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David R. Fierke  
City Manager



## Contract Change Order

Change Order Number:	Four (4)
MEC Project Number:	FTD 1311016-02
Contract Date:	6/11/2012
Date of Issuance:	6/9/2014
Effective Date:	
Original Contract Price:	\$ 2,438,600.00
Current Contract Price:	\$ 2,538,959.00
Current Contingency Allowance:	\$ -
Current Final Completion Date:	9/20/2013

**For Contracted Project:** Water System Improvements 2011, Fort Dodge, Iowa, Phase B: Water Treatment Plant, Section 1: High Service Pumps and Stand-by Power  
SRF Project No. FS-94-12-DWSRF-025

**Owner:** City Of Fort Dodge, Iowa

**Contractor:** Rice Lake Construction Group,  
22360 County Road 12,  
PO Box 517, Deerwood, MN 56444


You are hereby requested to comply with the following changes below from the original contracted plans and specifications.

Description of Changes	ADJUSTMENT to Contingency Allowance	DECREASE in Contract Price	INCREASE in Contract Price
1. Addition of Economizer to installed HVAC System in new VFD Room.	\$ -	\$ -	\$ 18,802.67
2. Transfer Switch Modifications to Stand-by Power Generator	\$ -	\$ -	\$ 7,875.27
3. Disposal of Removed Transformer from Water Treatment Plant	\$ -	\$ -	\$ 7,200.00
<b>Totals:</b>	\$ -	\$ -	\$ 33,877.94
<b>Contingency Allowance Remaining:</b>	\$ -		
<b>Net Change to Contract Price:</b>		\$ 33,877.94	
<b>Updated Contract Price:</b>		\$ 2,572,836.94	

**Justification:** See attached item summary.

The Amount of the Contingency Allowance will be UNCHANGED by the Sum of:	\$0.00
Zero and 00/100 Dollars	
The Total Remaining Contingency Allowance including this and previous Change Orders will be:	\$0.00
Zero and 00/100 Dollars	
The Amount of the Contract will be INCREASED by the Sum of:	\$33,877.94
Thirty-three Thousand Eight Hundred Seventy-seven and 94/100 Dollars	
The Total Contract Price including this and previous Change Orders will be:	\$2,572,836.94
Two Million Five Hundred Seventy-two Thousand Eight Hundred Thirty-six and 94/100 Dollars	
The Contract Period provided for Final Completion will be INCREASED:	Five (5) Days

This Document will become a Supplement to the Contract dated June 11, 2012, and all Provisions will apply hereto.

Requested By:		
	Contractor: Rice Lake Construction Group	Date
Recommended By:		
	Engineer: McClure Engineering Co.	Date
Accepted By:	Owner: City of Fort Dodge, Iowa	Date
Approved by Funding Agency: (if applicable)		Date
This information will be used as a record of any changes to the Original Construction Contract.		

WATER SYSTEM IMPROVEMENTS 2011, FORT DODGE, IOWA,  
PHASE B: WATER TREATMENT PLANT, SECTION 1: HIGH SERVICE PUMPS AND STAND-BY POWER  
CONTRACTOR: RICE LAKE CONSTRUCTION GROUP

SUMMARY OF CHANGE ORDER #4

Potential Change Order #6: \$18,802.67

Contractor's cost to furnish all materials, equipment, and labor to install Economizer Option to installed HVAC system in new VFD Electrical Room.

Potential Change Order #7: \$7,875.27

Contractor's cost to furnish all materials, equipment, and labor to modify the generator Automatic Transfer Switch from a delayed transition to a closed transition switch.

Potential Change Order #8: \$7,200.00

Contractor's cost to dispose of the removed old transformer containing PCB's from the Water Treatment Plant with the installation of new pumps and electrical.

ORIGINAL PROJECT CONTRACT PRICE	\$ 2,438,600.00
CHANGE ORDERS	
- Change Order #01	\$90,483.00
- Change Order #02	\$6,356.00
- Change Order #03	\$3,520.00
- Change Order #04	\$33,877.94
CURRENT PROJECT CONTRACT PRICE	\$2,572,836.94



December 9, 2013

McClure Engineering Co.  
705 1<sup>st</sup> Ave. North  
Fort Dodge, IA 50501

ATTN: Michael Washburn

RE: Water System Improvements 2011, Phase B: Water Treatment Plant,  
Section 1: High Service Pumps and Stand-by Power  
RLC Project No. 12-25  
Proposal Request No. 06 – ACU-2 Modifications

Michael,

To provide and install an AAON mixing box and all related material as described in your "Work required to modify VFD Room ACU-2" letter dated November 15, 2013, results in an increase in contract amount of \$18,802.81. This sum breaks down as follows,

Doors, Inc.	\$	500.00
MJ O'Connor	\$	17,230.00
Subtotal	\$	17,730.00
Margin	\$	886.50
Bonds	\$	186.17
<b>Total</b>	<b>\$</b>	<b>18,802.67</b>

If you have any questions, or require additional information, do not hesitate to contact us.

**MAIN OFFICE**  
22360 County Road 12  
PO Box 517  
Deerwood, MN 56444  
PH 218-546-5519  
FX 218-546-7016

Sincerely,  
Rice Lake Construction Group

**WISCONSIN OFFICE**  
901 Industrial St  
PO Box 486  
Hudson, WI 54016  
PH 715-386-8201  
FX 715-386-5950

A handwritten signature in black ink, appearing to read "Matt Perpich", is written over a horizontal line.

Matt Perpich  
Project Manager





# REQUEST FOR CHANGE ORDER

Date: 12-6-13

Job #: 32394

Job Name / Location: Fort Dodge Water Treatment Facility

1507 14th Street N.E.  
P.O. Box 606  
Austin, Minnesota 55912

Phase Number:

Phone: 507.433.5017  
Fax: 507.433.2270

Date / Number of Existing Contract:

We hereby agree to make the change(s) specified below:

Furnish and install one Aeon mixing box for the H-3 Air Handler, ductwork, duct insulation, relief damper, fresh air grille and wall louver as per work description.

Masonry openings and lenth by M. J. O'Connor

Relief damper door opening by others

Material \$ 7,980.00

Labor \$ 9,250.00

Note: This change order becomes part of and in conformance with the existing contract.

The contract will be: ☒ Increased by 5 days ☐ Decreased by days ☐ Unchanged

WE AGREE hereby to make the change(s) specified above at this price: \$ 17,230.00

Date: 12-6-13

Authorized Signature:  
(Subcontractor)

*Michael J. O'Connor*  
Michael J. O'Connor III, Vice President

ACCEPTED: The above prices and specifications of this Change Order are satisfactory and are hereby accepted.  
All work to be performed under same terms and conditions as specified in original contract amount unless otherwise stipulated.

Date of Acceptance:

Authorized Signature:  
(Contractor)



February 12, 2014

McClure Engineering Co.  
705 1<sup>st</sup> Ave. North  
Fort Dodge, IA 50501

ATTN: Michael Washburn

RE: Water System Improvements 2011, Phase B: Water Treatment Plant,  
Section 1: High Service Pumps and Stand-by Power  
RLC Project No. 12-25  
Proposal Request No. 07 – Generator Modifications

Michael,

To provide all labor and materials required to change the Automatic Transfer Switch from a delayed transition to a closed transition switch as detailed in emails from Nathan Casey dated January 17, 2014 and Feb 06, 2014, results in an increase in contract amount of \$7,875.27. This sum breaks down as follows,

Ziegler CAT	\$	5,903.00
Premier Electrical Corp.	\$	1,523.00
Subtotal	\$	7,426.00
Margin	\$	371.30
Bonds	\$	77.97
<b>Total</b>	<b>\$</b>	<b>7,875.27</b>

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Hudson, WI 54016  
PH 715-386-8201  
FX 715-386-5950

Rice Lake will not be responsible for obtaining or paying for any permits associated with this change order. If you have any questions, or require additional information, do not hesitate to contact us.

Sincerely,  
Rice Lake Construction Group

A handwritten signature in dark ink that reads "Matt Perpich".

Matt Perpich  
Project Manager





Matt Perpich <matt\_perpich@ricelake.org>

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## FW: Water Treatment Plant, Fort Dodge, Iowa

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**Steve Steenhoek** <Steve.Steenhoek@zieglercat.com>

Thu, Feb 6, 2014 at 1:18 PM

To: Matt Perpich <matt\_perpich@ricelake.org>

Nathan

We have put together a new budget to change the delayed transition to a closed transition switch

Engineered Modification to include new control station with lights and switched installed.

Connect shunt trip signal from ATS to Engine controller to generator MLCB

Monday – Friday 8:00-5:00.

Weekends and Holidays are overtime

\$5903.00

**Thank you**

**Steven Steenhoek**

Sr. Sales Engineer | Ziegler CAT

1500 Ziegler Drive NW | Altoona, IA 50009

515.957.3838 Office

515.249.5507 Mobile

515.957.3879 Fax

[www.zieglercat.com](http://www.zieglercat.com)



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**From:** Matt Perpich [mailto:matt\_perpich@ricelake.org]

**Sent:** Thursday, February 06, 2014 9:08 AM

# Premier ELECTRICAL CORPORATION

## CHANGE PROPOSAL SUMMARY

Contract: 2011 PHASE B WTP FORT DODGE Job No. 112069 Proposal No.  
 Date Submitted 2/12/14 Date Requested 2/6/14 Requested By:  
 Description of Change: ADD (6) #14 WIRES BETWEEN TRANSFER SWITCH AND GENERATOR  
 CONTROL PANEL IN EXISTING CONDUIT

Description	Labor	Materials & Expenses	Totals
Equipment		\$0	
Materials		\$203	
Hand Tools & Consumables 2.00% of Labor		\$21	
Large Tool & Equipment Rental -		\$0	
Tax 0.000% (TAX EXEMPT)		\$0	
Freight, other delivery charges		\$0	
Labor hours 12 \$88.00 per hour	\$1,056		
Project Mgr 0.00% of Labor	\$0		
As-Builts 1.00% of Labor	\$11		
Safety at 1.00% of Labor	\$11		
Testing at 0.00% of Labor	\$0		
Cleanup at 1.00% of Labor	\$11		
Site Office Expense	\$0	\$0	
Permits & Other Direct Charges		\$13	
Subtotal:	\$1,088	\$237	\$1,324
Subcontracts			\$0
TOTAL			\$1,324
Ovhd & Profit a 15.00% on Labor			\$163
Ovhd & Profit a 15.00% on Materials			\$36
Ovhd & Profit a 5.00% on Subcontracts			\$0
TOTAL CHARGES BEFORE BONDS & INSURANCE			\$1,523
Bonds, Performance & Payment			\$0
Special Insurance or other Charges			\$0
TOTAL PRICE OF CHANGE PROPOSAL			\$1,523

Extension of time because of the labor hours added by this change order is 0 workdays.

This Proposal is based on: ☒ Straight Time ☐ Overtime ☐ Shift Work

This Proposal is void unless notification to proceed is received in writing by 3/14/14.

This change includes only those estimated costs which can be identified at this time. There are no impact or ripple costs and no delay costs included in this proposal. Should it be determined at a later date that we are experiencing impact cost because of multiple changes, delays, or other causes beyond our control, we will submit those costs at that time. The above price assumes work on this change will be started by with job and completed by with job.

Submitted by: Mark Hawkins Project Manager Date 2/12/14  
 Title

Approved by: \_\_\_\_\_ Date \_\_\_\_\_  
 Signature Title



Job Name: Ft Dodge Water System Impro Ph. B

**Bid Item**

Gen Set Control wir

Item Name	Quantity	Price	Labor	Ext
COORDINATION	1.00	\$ .00		3.00
LABELING	1.00	\$3.00		2.50
14 THHN CU STRANDED	1,000.00	\$200.20		6.28
<b>Totals:</b>		<b>\$203.20</b>		<b>11.78</b>



**J & J Contracting, LLC-MN**  
573 Shoreview Park Road  
Shoreview, MN 55126  
Phone 651-379-2791 Fax 651-287-2373



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## PROPOSAL

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**Proposal Submitted To:**

Premier Electrical  
Phil Sperl  
4401 85th Ave North  
Brooklyn Park, MN. 55443

**Project:**

PCB Transformer  
City of Fort Dodge IA  
Fort Dodge, IA

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**WE PROPOSE** to profile, manifest, transport and dispose of 1- General Electric 500 KVA PCB transformer for the lump sum of:

**Total:..... \$7,200.00**

**Includes:** Labor, Supplies, Recycling/Disposal, Transportation, and Documentation

**Note:** Transformer must be in good condition and not leaking.

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Signature: \_\_\_\_\_

Date: 5/7/2014

J & J Contracting, LLC-MN  
573 Shoreview Park Road  
Shoreview, MN 55126

Title: \_\_\_\_\_

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**ACCEPTANCE OF PROPOSAL** - The above specifications and conditions are satisfactory and hereby accepted. J & J Contracting is authorized to do the work specified above.

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Title: \_\_\_\_\_