



321 Milwaukee Street • P.O. Box 340 • Menasha, WI 54952-0340 [www.menashautilities.com](http://www.menashautilities.com)

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## MEMORANDUM

TO: Mark Radtke, Director  
Public Works

FROM: Melanie Krause, Interim General Manager  
Tim Gosz, Water Plant Supervisor

DATE: April 26, 2013

SUBJECT: Change Order Approval

At the Regular Meeting of the Menasha Utilities Commission motions were approved requesting the Board of Public Works recommend to the Common Council authorization of Change Order #2 for Pieper Electric in the amount of \$5,641.00. The change order is requested due to discoveries uncovered during the pump #3 rebuild that were not in the scope of the bid. This project is funded with Safe Drinking water funds and after this change order \$24,481 still remains of contingency funds plus some from the River Crossing project that came in under budget.

Copies of supporting documents are attached.

# McMAHON

ENGINEERS ARCHITECTS

February 26, 2013

Melanie Krause  
Menasha Utilities  
321 Milwaukee Street  
P.O. Box 340  
Menasha, WI 54952-0340

Re: Menasha Utilities  
High Lift Pumping Station  
Standby Generator & Motor Control Modifications  
Change Order #2 | Pieper Electric, Inc.  
Contract No. M0002-910283-B  
McM. No. M0002-910283.04

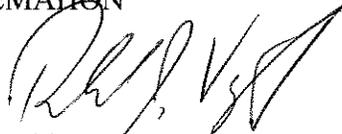
Enclosed are five copies of Change Order #2 for the above referenced project. This change is an increase to the Contract in the amount of +\$5,641.00. The new Contract Price is \$618,539.00.

Please review and sign in the space provided. **Return all copies to our office**, and we will distribute accordingly.

Should you have any questions, please contact our office at your convenience.

Very truly yours,

McMAHON



Donald J. Voogt, P.E., BCEE  
Associate / Senior Project Engineer

DJV:smdt

Enclosure: Change Order #2

# McMAHON

ENGINEERS ARCHITECTS

1445 McMahon Drive P.O. Box 1025  
 Neenah, WI 54956 Neenah, WI 54957-1025  
 Telephone: (920)751-4200  
 FAX: (920)751-4284

## CHANGE ORDER

(Contractor)  
 PIEPER ELECTRIC, INC.  
 5070 North 35th Street  
 Milwaukee, WI 53209

Contract No. M0002-910283-B / Base Bid #2  
 Project File No. M0002-910283.04  
 Change Order No. Two (2)  
 Issue Date: February 15, 2013  
 Project: Menasha Utilities - High Lift Pump Station  
 Standby Generator & Motor Control Mod.

**You Are Directed To Make The Changes Noted Below In The Subject Contract:**

	(Item Description)	(Price)
2.1	Replace Old, Corroded & Worn Parts on Pump #3, Which Was Discovered During Pump Rebuild, Per Owner's Request ..... ADD	+ \$5,641.00
	<b>TOTAL</b>	<b>+ \$5,641.00</b>

**The Changes Result In The Following Adjustments:**

	CONTRACT PRICE	TIME
Prior To This Change Order	<u>\$612,898.00</u>	<u>          </u> days
Adjustments Per This Change Order	<u>+ \$5,641.00</u>	<u>          </u> days
Current Contract Status	<u>\$618,539.00</u>	<u>          </u> days

Recommended:  
**McMAHON**  
 Neenah, Wisconsin

Accepted:  
**PIEPER ELECTRIC, INC.**  
 Milwaukee, Wisconsin

Authorized:  
**MENASHA UTILITIES**  
 City Of Menasha, Wisconsin

By:   
 Date: 2/15/13

By:   
 Date: 2-20-13

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

- OWNER Copy
- CONTRACTOR Copy
- ENGINEER Copy (Contract Copy)
- AGENCY COPY
- FILE COPY

Four Copies Should Accompany This Change Order  
**Execute And Return To ENGINEER For Distribution**



<b>CHANGE ORDER SUMMARY</b>
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McMahon Engineering	JOB NAME:	Menasha High Lift PS
	CHANGE ORDER NUMBER:	5
	REVISION NUMBER:	
	DATE:	1/29/2013
	JOB NO:	12090
	CONTRACT NO:	M0002-910283-B
	AMOUNT OF C/O:	\$5,641
ATTENTION :	Don Voogt	

REGARDING YOUR REQUEST FOR QUOTATION:  
 Additional work required per Crane Engineering condition report dated 1/23/13

SUMMARY:	A. LABOR	\$0
	B. MATERIALS	\$0
	C. DJE	\$0
	SBO: NO	
	D. SUBCONTRACTS	\$5,372
	SUBTOTAL	\$5,372
	OVERHEAD & PROFIT      5.00%	\$269
	SUBTOTAL	\$5,641
	BOND	\$0
	INSURANCE	\$0
	<b>GRAND TOTAL</b>	<b>\$5,641</b>
	ADDITIONAL CALENDAR DAYS EXTENDED TO CONTRACT COMPLETION DATE:	0

THIS AMOUNT ONLY COVERS THE DIRECT COSTS IN LABOR, MATERIALS, SUBCONTRACTS AND EQUIPMENT NECESSARY TO EXECUTE THE CHANGED WORK DESCRIBED IN THE PROPOSAL. AT THE PRESENT TIME, WE CANNOT ASSESS OR EVALUATE THE OVERALL IMPACT OF THE CHANGED WORK ON OUR ORIGINAL CONTRACT SCOPE OF WORK. WE THEREBY RESERVE OUR RIGHTS TO CLAIM FOR ANY INDIRECT COSTS WHICH MAY ARISE IN THE FUTURE AS A RESULT OF DELAYS TO THE WORK, OUT OF SEQUENCE WORK, INEFFICIENCIES, EXTENDED CONTRACT COMPLETION, LABOR AND MATERIAL ESCALATION AND/OR ACCELERATION AND EXTENDED WARRANTIES.

JOB	NUMBER	C.O. NO.	DATE	REVISION
Menasha High Lift PS	12090	5	29-Jan-13	

**A. LABOR**

*SUPER INTENDENT	0 HRS @	\$89.70	TOTAL	\$0.00
** SUPERVISOR	0 HRS @	\$81.34	TOTAL	\$0.00
*** SAFETY	0 HRS @	\$79.29	TOTAL	\$0.00
ELECTRICIAN	0 HRS @	\$75.07	TOTAL	\$0.00
ESTIMATOR	0 HRS @	\$58.62	TOTAL	\$0.00
ENGINEER	0 HRS @	\$50.00	TOTAL	\$0.00
	@		TOTAL	\$0.00
	@		TOTAL	\$0.00
	@		TOTAL	\$0.00
TRAVEL	@		TOTAL	\$0.00
SUBSISTENCE	@		TOTAL	\$0.00
PREMIUM COSTS			TOTAL	\$0.00
			<b>LABOR TOTAL</b>	<b>\$0.00</b>

**B. MATERIALS**

MATERIAL PER "TAKE-OFF"			TOTAL	\$0
MISCELLANEOUS MATERIAL & WASTE	3.00%		TOTAL	\$0
			<i>SUBTOTAL</i>	<i>\$0</i>
FREIGHT AND HANDLING			TOTAL	\$0
SPECIAL EXPEDITING			TOTAL	\$0
SALES TAX	5.6%		TOTAL	\$0
			<b>MATERIAL TOTAL</b>	<b>\$0</b>

\*SUPER INTENDENT - 6% OF TOTAL MAN HOURS  
 \*\* SUPERVISOR - 12 % OF TOTAL MAN HOURS  
 \*\*\* SAFETY - 3 % OF TOTAL MAN HOURS



# AUGUST WINTER & SONS, INC. MECHANICAL CONTRACTORS

2323 NORTH ROEMER ROAD \* APPLETON, WI 54911  
PO BOX 1896 \* APPLETON, WI 54912  
PHONE: 920-739-8881 \* FAX: 920-739-2230

January 25, 2013

Pieper Electric  
Justin Curler

1

## CHANGE ORDER PRICE AND BREAKDOWN

**Project/Job#: 290213 Menasha High Lift Pump Station**

**Description: Misc. recommended repairs to turbine pump after inspection**

Our change order price and breakdown follows:

### August Winter

Material.....	\$	-
Labor..... 0 hrs	\$	-
Direct Costs.....	\$	-
Equipment Rental.....	\$	-
Indirect Costs.....	\$	-
Subtotal.....	\$	-
Overhead.....	\$	-
Total.....	\$	-

### Subcontracts

Total Subcontractor Costs.....	\$	4,884
Subcontractor Markup.....	\$	488
Total Subcontractor Costs w/overhead.....	\$	<u>5,372</u>
Total AWS/Subcontractor Costs.....	\$	5,372
Profit/Bond.....	\$	-

**Change Order Total..... \$ 5,372**

Time extension required is 0 days.

This quotation based upon acceptance within 30 days.

Exclusions: 0

*Kurt Van Grinsven*

August Winter & Sons, Inc.  
PH: 920-739-8881 FX: 920-739-2230

VISIT OUR WEB SITE AT [WWW.AUGUSTWINTER.COM](http://WWW.AUGUSTWINTER.COM)

Branch Office: 5613 Schofield Avenue \* Schofield, WI 54476 \* PH: 715/355-7555 \* FAX: 715/355-9048  
HVAC \* PLUMBING \* TANK FABRICATION \* PROCESS PIPING \* IND. SHEETMETAL  
SPECIALTY METAL FAB. \* ASME PRESSURE VESSELS \* ASME CODE WELDING \* 24 HR. SERVICE \* ENGINEERING  
STATE OF WISCONSIN LICENSED MASTER PLUMBERS, LICENSE NUMBER 227170

Justin Carter  
Proper Etc

On January 18, 2013 we removed High Lift Pump #3 from service. We later dis-assembled the pump and performed an inspection of the components. The following information is a summary of our findings.

The existing pump is a Goulds 20GLC – 3 stage. Design Conditions were 5,500 gpm @ 160 feet TDH. The unit was driven by a 300 Hp 1,800 rpm, 460V/3ph Vertical Hollow Shaft Motor.

Pictures were taken after the pump was dis-assembled and are shown on the following pages.

**Specification Requirements:**

- **Replace bowl assembly** - A new Goulds 20RCLC – 1 stage Pump is being provided. Design Condition is 2,800 gpm @ 160 feet TDH
- **Replace motor** – A new 150 Hp, 1,200 rpm, 460V/3ph Vertical Hollow Shaft Motor is being provided.
- **Column Pipe is being Sand Blasted and Coated** – Blast Inside/Outside SP-10. Prime Coat Tnemec Series 1 @ 3 mils DFT. Two (2) Coats Tnemec Series 140 @ 4-5 mils DFT per coat.
- **Replace Motor Shaft** – Provide new 416 SS Motor Shaft to accommodate new motor.
- **Replace Stuffing Box Bearing** – Provide new Bronze stuffing box bearing.
- **Replace Mechanical Seal** – Provide new John Crane 5610 mechanical seal.

**Recommended Items not Specified:**

- **Replace line shaft** - Existing shafting is Carbon Steel. It is corroded and out of tolerance. Recommend installing new 1 15/16" diameter line shaft made of 416 SS. Additional Cost \$1,588.00 ✓
- **Replace Bronze Bearings in Spiders** – Existing bearings are worn out of tolerance. Provide new Bronze bearing inserts. Additional Cost \$454.00 (\$227.00/each) ✓
- **Replace Lines Shaft couplings** – Existing couplings are Carbon Steel. We recommend new 416 SS couplings. Additional Cost \$349.00 (\$174.50/each) ✓
- **Replace Suction Basket** – Existing basket is corroded and in rough shape. We recommend a new 416 SS Basket. Additional Cost \$1,582.00 ✓
- **Replace Nuts and Bolts** – Existing bolts were Carbon Steel. They were extremely corroded and are not re-usable. We recommend new 316 SS Nuts and Bolts. Additional Cost \$911.00 ✓

# 11884