



321 Milwaukee Street • P.O. Box 340 • Menasha, WI 54952-0340 www.menashautilities.com

MEMORANDUM

TO: Mark Radtke, Director
Public Works

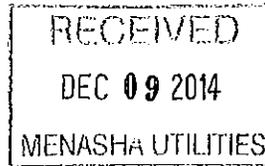
FROM: Melanie Krause, General Manager
Tim Gosz, Water Plant Supervisor

DATE: December 18, 2014

SUBJECT: Change order

At the Regular Meeting on December 18 the Menasha Utilities Commission passed a motion for the Board of Public Works to recommend to the Common Council authorization of Change Order #2 for J.F. Ahern in the amount of \$2596.00. Change order is requested for labor and materials to add a longer landing for access to the existing roof access ladder.

Copies of supporting documents are enclosed.



December 8, 2014

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

Re: Menasha Utilities
City Of Menasha, Wisconsin
Water Treatment Facility
Low Lift Pump Modifications
Change Order #2 - J.F. Ahern Co.
McM. No. M0002-930724.04

Enclosed herewith is Change Order #2 for the above referenced project. This change is an increase to the Contract in the amount of +\$2,596.00. The current Contract Price is \$435,673.22.

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., BCCE
Associate / Senior Project Engineer

DJV:smdt

Enclosure: Change Order #2



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)
J.F. AHERN CO.
 4201 Champion Road
 Green Bay, WI 54311

Contract No. M0002-930724
 Project File No. M0002-930724.04
 Change Order No. Two (2)
 Issue Date: November 21, 2014
 Project: Menasha Utilities
Water Treatment Facility
Low Lift Pump Modifications

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

| | (Item Description) | (Price) |
|-----|---|---------------------|
| 2.1 | Extend Steel Access Platform Approximately 4-Feet To Allow Safe Access To Roof Access Ladder, Per RFI #7 ADD | + \$1,927.00 |
| 2.2 | Revise Control Wiring Route From VFD's To RCP-500 Instead Of MCP, As Requested By The Owner, Per RFI #8.....DEDUCT | - \$4,613.00 |
| 2.3 | Provide Demolition Of Electrical Equipment In New Stairwell Location & Install Terminal Junction Box For Existing Hypochlorite Pumps, Per RFI #9..... ADD | + \$5,282.00 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | TOTAL | + \$2,596.00 |

The Changes Result In The Following Adjustments:

| | CONTRACT PRICE | TIME |
|-----------------------------------|---------------------|------------|
| Prior To This Change Order | <u>\$433,077.22</u> | _____ days |
| Adjustments Per This Change Order | <u>+ \$2,596.00</u> | _____ days |
| Current Contract Status | <u>\$435,673.22</u> | _____ days |

Recommended:
McMAHON
 Neenah, Wisconsin

Accepted:
J.F. AHERN CO.
 Fond du Lac, Wisconsin

Authorized:
MENASHA UTILITIES
City Of Menasha
 Menasha, Wisconsin

By:
 Date: 11/21/14

By:
 Date: 11-26-14

By: _____
 Date: _____

- OWNER Copy
 - CONTRACTOR Copy
 - ENGINEER Copy (Contract Copy)
 - FILE COPY
- W:\WP\Change-Order\M0002\930724-JF Ahern.docx

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



855 Morris Street | P.O. Box 1316
Fond du Lac, WI 54936-1316
Ph 920.921.9020 | Fx 920.929.8825
www.jfahern.com

Request For Information

Date: 11/05/2014
Project #: 211976
Project Name: Menasha WTF Low Lift Pump Mods
Customer Contract #: M0002-930724
RE: Stair Landing Modification
JFA RFI #: 7 - 0

To: Mr. Don Voogt
McMahon Associates, Inc.
1445 McMahon Drive
PO Box 1025
Neenah, WI 54957-1025

Prepared by: John Klinzing
Senior Project Manager
WI Major Construction Division

Phone #: (920) 751-4200 **Fax #:** (920) 751-4284

This is a request for clarification/interpretation on the following:

Please verify that that the existing ladder for roof access will need to be provided with a platform extension for access. Cost proposal, drawing and picture are attached for your review.

Please Review and Respond by: 11/12/2014

CC: Erik Seyfert - J. F. Ahern Co.

Response:

Yes, this platform needs to be extended to the west to provide staff with safe access to the roof access ladder

Response Prepared by:

Response Returned to Contractor on: 11/20/14



855 Morris Street | P.O. Box 1316
Fond du Lac, WI 54936-1316
main 920.921.9020 | fax 920.929.8825
www.jfahern.com

October 20, 2014
Ph: 920.751.4200
Fx: 920.751.4284

Mr. Don Voogt
McMahon Associates, Inc.
1445 McMahon Drive
PO Box 1025
Neenah, WI 54957-1025

**RE: Menasha WTF Low Lift Pump Mods
Ahern Job #: 211976
Customer Contract #: M0002-930724
Stair Landing Modification**

Dear Don:

This change order proposal is for labor and materials to add a longer landing for access to the existing roof access ladder.

Respond by: 11/19/2014

One Thousand Nine Hundred Twenty-Seven and 00/100 Dollars.....\$1,927.00

This proposal only covers the direct costs of labor, materials and equipment 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 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.

Sincerely,

J. F. Ahern Co.

John Klinzing

John Klinzing
Senior Project Manager
WI Major Construction Division

Enclosures

File: 211976 6 - 0



Change Order Summary

| |
|--|
| Project: Menasha WTF Low Lift Pump Mods Project #: 211976 Proposal Date: 10/20/2014 Change Order #: 6 Revision: 0 |
| Description of Work: Stair Landing Modification |
| Total CO Amount: \$1,927.00 |

| Item Description | Calc Type | Quantity | Unit of Measure | Unit Price or Rate | PCT % | Total Amount |
|--|-----------|----------|-----------------|--------------------|-------|----------------|
| General Construction Subcontractor | Lump Sum | 0.00 | Lump Sum | 1,659.00 | 0.00 | 1,659.00 |
| TOTAL S - Subcontract | | | | | | \$1,659 |
| Overhead & Profit - Subcontractor | Percent | 1,659.00 | | 0.00 | 15.00 | 248.85 |
| TOTAL O - Overhead & Profit | | | | | | \$249 |
| Bond and Insurance | Percent | 1,908.00 | | 0.00 | 1.00 | 19.08 |
| TOTAL B - Bond & Insurance | | | | | | \$19 |

Grand Total: **\$1,927**

This proposal only covers the direct costs of labor, materials and equipment 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 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.

ZEISE

CONSTRUCTION

901 VANDERBRAAK STREET
P.O. BOX 1835
GREEN BAY, WI 54305-1835
920.437.5426 tel
920.437.6662 fax
www.zeiseconstruction.com

October 17, 2014

John Klinzing
J.F. Ahern Co.
855 South Morris Street
Fond Du Lac, WI 54936-1316

Re: Menasha WTF – CO #3 Stair Landing Modification

John,

Thank you for allowing us to provide this proposal. We will supply labor and materials to add a longer landing to allow access to the existing roof access ladder. We do not include any work to the existing ladder as we believe none is necessary.

ALL FOR THE SUM OF ONE THOUSAND SIX HUNDRED FIFTY NINE DOLLARS (\$1,659.00).

Respectfully Submitted,

FRANK O. ZEISE CONSTRUCTION CO., INC.

Craig M. Cornell

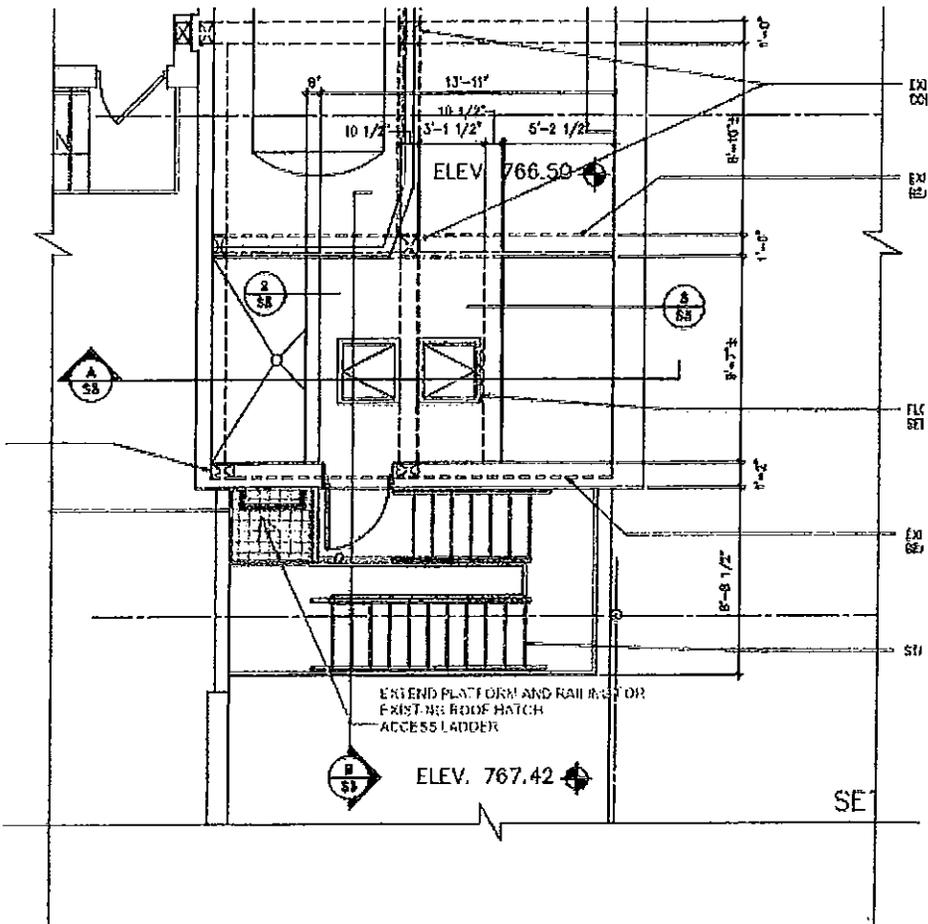
Craig M. Cornell

CMC/cc

FRANK O. ZEISE CONSTRUCTION CO., INC.

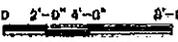
TRUSTED FOR EXPERIENCE – VALUED FOR SERVICE

I found the attached picture showing where the existing precast plank is to be removed for the new stairway. There is an existing ladder for roof access that will need to be provided with a platform extension for access. Below is a layout of what I think Don is looking for.

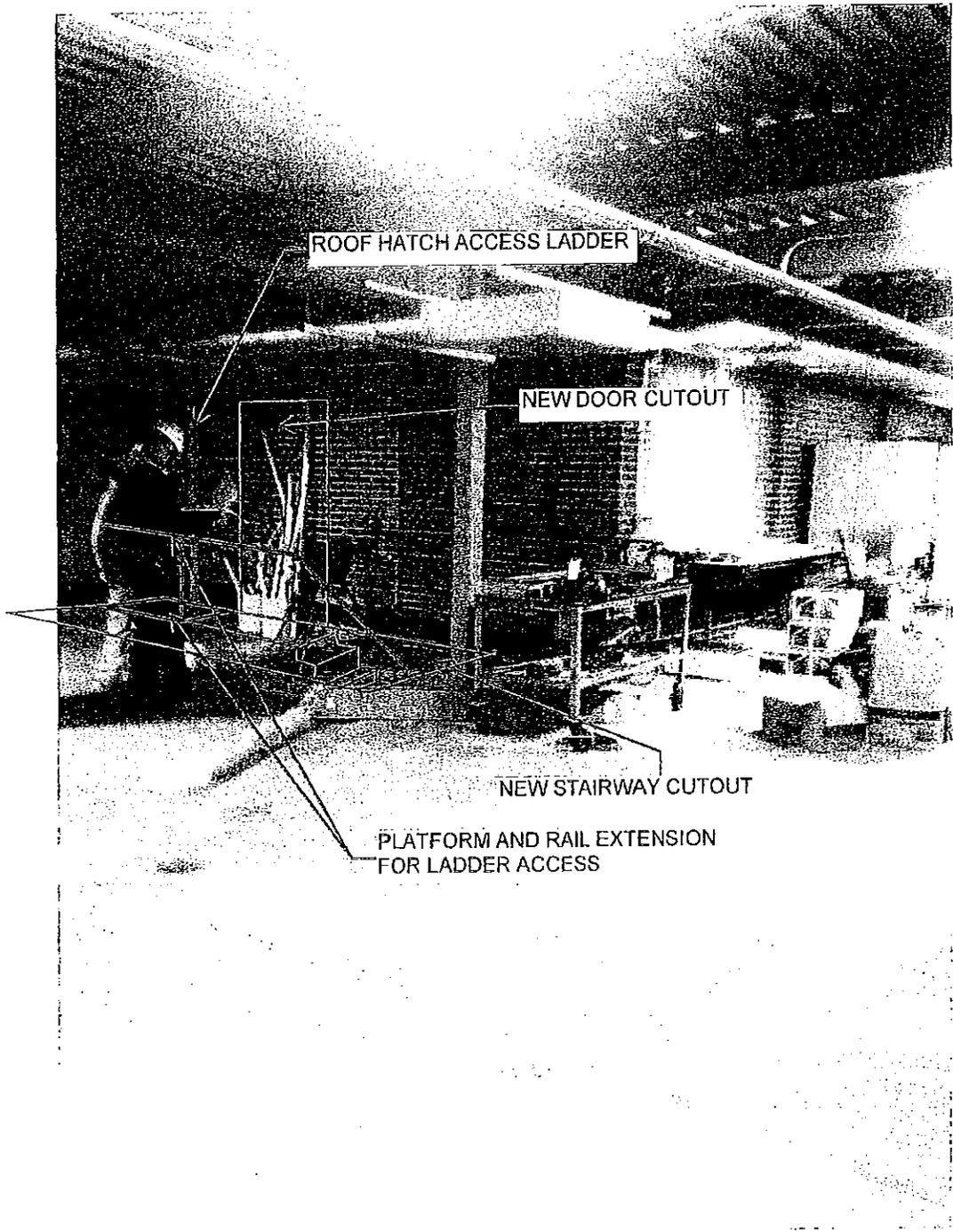


PARTIAL INTERMEDIATE LEVEL FRAMING PLAN 

FIN. FLOOR ELEV. = 766.60 (U.N.O.)

0 2'-0" 4'-0" 8'-0" 

SCALE - FEET



ROOF HATCH ACCESS LADDER

NEW DOOR CUTOUT

NEW STAIRWAY CUTOUT

PLATFORM AND RAIL EXTENSION
FOR LADDER ACCESS



855 Morris Street | P.O. Box 1316
 Fond du Lac, WI 54936-1316
 Ph 920.921.9020 | Fx 920.929.8825
 www.jfahern.com

Request For Information

Date: 11/20/2014
Project #: 211976
Project Name: Menasha WTF Low Lift Pump Mods
Customer Contract #: M0002-930724
RE: Pump VFD Control Wiring
JFA RFI #: 9 - 0

To: Mr. Don Voogt
 McMahon Associates, Inc.
 1445 McMahon Drive
 PO Box 1025
 Neenah, WI 54957-1025

Prepared by: John Klinzing
 Senior Project Manager
 WI Major Construction Division

Phone #: (920) 751-4200 **Fax #:** (920) 751-4284

This is a request for clarification/interpretation on the following:

Menasha Utilities (Steve Grennell) is requesting that control wiring for FIT and two (2) Low Lift Pump VFDs be re-routed to RCP-500 instead of MCP. Please confirm this is allowed.

Please Review and Respond by: 11/27/2014

CC: Justin Curler - Pieper Electric, Inc. 414. 462.7711
 Erik Seyfert - J. F. Ahern Co.

Response:

This suggested change is acceptable.

Response Prepared by:

Response Returned to Contractor on:

11/20/14



855 Morris Street | P.O. Box 1316
Fond du Lac, WI 54936-1316
main 920.921.9020 | fax 920.929.8825
www.jfahern.com

November 17, 2014
Ph: 920.751.4200
Fx: 920.751.4284

Mr. Don Voogt
McMahon Associates, Inc.
1445 McMahon Drive
PO Box 1025
Neenah, WI 54957-1025

**RE: Menasha WTF Low Lift Pump Mods
Ahern Job #: 211976
Customer Contract #: M0002-930724
Credit for Pump VFD Control Wiring**

Dear Don:

Credit for control wiring for FIT and two (2) Low Lift Pump VFDs to be re-routed to RCP-500 instead of MCP, as requested by Steve Grenell of Menasha Utilities.

Respond by: 12/17/2014

Four Thousand Six Hundred Thirteen And 00/100 Dollars.....(\$4,613.00)

This proposal only covers the direct costs of labor, materials and equipment 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 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.

Sincerely,

J. F. Ahern Co.

John Klinzing

John Klinzing
Senior Project Manager
WI Major Construction Division

Enclosures

File: 211976

8 - 0



Change Order Summary

| |
|--|
| Project: Menasha WTF Low Lift Pump Mods Project #: 211976 Proposal Date: 11/17/2014 Change Order #: 8 Revision: 0 |
| Description of Work: Credit for Pump VFD Control Wiring |
| Total CO Amount: (\$4,613.00) |

| Item Description | Calc Type | Quantity | Unit of Measure | Unit Price or Rate | PCT % | Total Amount |
|------------------------------|-----------|----------|-----------------|--------------------|-------|------------------|
| Subcontractor - Pieper CO-2 | Lump Sum | 0.00 | Lump Sum | -4,613.00 | 0.00 | -4,613.00 |
| TOTAL S - Subcontract | | | | | | (\$4,613) |

Grand Total: **(\$4,613)**

This proposal only covers the direct costs of labor, materials and equipment 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 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.



CHANGE ORDER SUMMARY

| | |
|--|--|
| <p><u>JF Ahern</u></p> <hr/> <p><u>855 Morris St.</u></p> <hr/> <p><u>Fond Du Lac, WI 54935-1316</u></p> <hr/> <p>ATTENTION : John Klinzing</p> | <p>JOB NAME: Menasha WTP Low Lift</p> <p>CHANGE ORDER NUMBER: 2</p> <p>REVISION NUMBER:</p> <p>DATE: 11/13/2014</p> <p>JOB NO: 458005</p> <p>CONTRACT NO: M0002-930724</p> <p>AMOUNT OF C/O: (\$4,613)</p> |
|--|--|

REGARDING YOUR REQUEST FOR QUOTATION:
 Credit for conduit and wire for pump VFD control being directed to closer PLC cabinet. Per Steve Grenell, Menasha Utilities.

| | | |
|----------|--|-----------------|
| SUMMARY: | A. LABOR | -\$3,829 |
| | B. MATERIALS | -\$785 |
| | C. DJE | \$0 |
| | SBO: YES | |
| | SUBTOTAL | -\$4,613 |
| | OVERHEAD & PROFIT 0.00% | \$0 |
| | D. SUBCONTRACTS | \$0 |
| | OVERHEAD & PROFIT 5.00% | \$0 |
| | SUBTOTAL | -\$4,613 |
| | BOND | \$0 |
| | INSURANCE | \$0 |
| | GRAND TOTAL | -\$4,613 |
| | 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.

This price is valid for 14 days. This form was approved:

| ITEM | NUMBER | QTY | DATE | REVISION |
|----------------------|--------|-----|-----------|----------|
| Menasha WTP Low Lift | 458005 | 2 | 13-Nov-14 | |

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 | -51 HRS @ | \$75.07 | TOTAL | -\$3,828.57 |
| 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 |
| | | | LABOR TOTAL | -\$3,828.57 |

B. MATERIALS

| | | | | |
|--------------------------------|-------|--|-----------------------|---------------|
| MATERIAL PER "TAKE-OFF" | | | TOTAL | -\$762 |
| MISCELLANEOUS MATERIAL & WASTE | 3.00% | | TOTAL | -\$23 |
| | | | SUBTOTAL | -\$785 |
| FREIGHT AND HANDLING | | | TOTAL | \$0 |
| SPECIAL EXPEDITING | | | TOTAL | \$0 |
| SALES TAX | 0.0% | | TOTAL | \$0 |
| | | | MATERIAL TOTAL | -\$785 |

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



855 Morris Street | P.O. Box 1316
 Fond du Lac, WI 54936-1316
 Ph 920.921.9020 | Fx 920.929.8825
 www.jfahern.com

Request For Information

Date: 11/20/2014
Project #: 211976
Project Name: Menasha WTF Low Lift Pump Mods
Customer Contract #: M0002-930724
RE: Stairwell Demo & Pump TJB
JFA RFI #: 8 - 0

To: Mr. Don Voogt
 McMahon Associates, Inc.
 1445 McMahon Drive
 PO Box 1025
 Neenah, WI 54957-1025

Prepared by: John Klinzing
 Senior Project Manager
 WI Major Construction Division

Phone #: (920) 751-4200 **Fax #:** (920) 751-4284

This is a request for clarification/interpretation on the following:

Demolition of electrical equipment in and around proposed stairwell location, and relocation of control wiring for hypochlorite pumps to new fiberglass terminal junction box is needed. Please approve this work.

Please Review and Respond by: 11/27/2014
CC: Justin Curler - Pieper Electric, Inc. 414. 462.7711
 Erik Seyfert - J. F. Ahern Co.

Response:

Yes, this work is required to facilitate installation of the new stairwell in a way that allows efficient access to electrical components by staff in the future.

Response Prepared by:

Response Returned to Contractor on:

11/20/14



855 Morris Street | P.O. Box 1316
Fond du Lac, WI 54936-1316
main 920.921.9020 | fax 920.929.8825
www.jfahern.com

November 14, 2014
Ph: 920.751.4200
Fx: 920.751.4284

Mr. Don Voogt
McMahon Associates, Inc.
1445 McMahon Drive
PO Box 1025
Neenah, WI 54957-1025

RE: Menasha WTF Low Lift Pump Mods
Ahern Job #: 211976
Customer Contract #: M0002-930724
Strairwell Demo & Pump Terminal Junction Box

Dear Don:

Pricing for demolition of electrical equipment in the new stairway location and installation of a terminal junction box for control wiring for the hypochlorite pumps.

Respond by: 12/14/2014

Five Thousand Two Hundred Eighty-two And 00/100 Dollars.....\$5,282.00

This proposal only covers the direct costs of labor, materials and equipment 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 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.

Sincerely,

J. F. Ahern Co.

John Klinzing

John Klinzing
Senior Project Manager
WI Major Construction Division

Enclosures

File: 211976 7 - 0



Change Order Summary

| |
|--|
| Project: Menasha WTF Low Lift Pump Mods Project #: 211976 Proposal Date: 11/14/2014 Change Order #: 7 Revision: 0 |
| Description of Work: Sralwell Demo & Pump Terminal Junction Box |
| Total CO Amount: \$5,282.00 |

| Item Description | Calc Type | Quantity | Unit of Measure | Unit Price or Rate | PCT % | Total Amount |
|--|-----------|----------|-----------------|--------------------|-------|----------------|
| Subcontractor Pieper CO 1 | Lump Sum | 0.00 | Lump Sum | 4,981.00 | 0.00 | 4,981.00 |
| TOTAL S - Subcontract | | | | | | \$4,981 |
| Overhead & Profit - Subcontractor | Percent | 4,981.00 | | 0.00 | 5.00 | 249.05 |
| TOTAL O - Overhead & Profit | | | | | | \$249 |
| Bond and Insurance | Percent | 5,230.00 | | 0.00 | 1.00 | 52.30 |
| TOTAL B - Bond & Insurance | | | | | | \$52 |

Grand Total: **\$5,282**

This proposal only covers the direct costs of labor, materials and equipment 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 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.



CHANGE ORDER SUMMARY

JF Ahern
855 Morris St.
Fond Du Lac, WI 54935-1316

ATTENTION : John Klinzing

JOB NAME: Menasha WTP Low Lift
CHANGE ORDER NUMBER: 1
REVISION NUMBER:
DATE: 11/13/2014
JOB NO: 458005
CONTRACT NO: M0002-930724
AMOUNT OF C/O: \$4,981

REGARDING YOUR REQUEST FOR QUOTATION:
Pricing for demolition of electrical equipment in new stairway location and installation of terminal junction box for control wiring for Hypochlorite pumps

| | | | |
|----------|-------------------|--------|---------|
| SUMMARY: | A. LABOR | | \$3,716 |
| | B. MATERIALS | | \$615 |
| | C. DJE | | \$0 |
| | SBO: YES | | |
| | SUBTOTAL | | \$4,331 |
| | OVERHEAD & PROFIT | 15.00% | \$650 |
| | D. SUBCONTRACTS | | \$0 |
| | OVERHEAD & PROFIT | 5.00% | \$0 |
| | SUBTOTAL | | \$4,981 |
| | BOND | | \$0 |
| | INSURANCE | | \$0 |
| | GRAND TOTAL | | \$4,981 |

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.

This price is valid for 14 days.

This form was approved:

| JOB | NUMBER | AGENCY | DATE | REVISION |
|----------------------|--------|--------|-----------|----------|
| Menasha WTP Low Lift | 458005 | 1 | 13-Nov-14 | |

A. LABOR

| | | | | |
|------------------|----------|---------|--------------------|-------------------|
| *SUPER INTENDENT | 0 HRS @ | \$89.70 | TOTAL | \$0.00 |
| ** SUPERVISOR | 6 HRS @ | \$81.34 | TOTAL | \$488.04 |
| *** SAFETY | 0 HRS @ | \$79.29 | TOTAL | \$0.00 |
| ELECTRICIAN | 43 HRS @ | \$75.07 | TOTAL | \$3,228.01 |
| 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 |
| | | | LABOR TOTAL | \$3,716.05 |

B. MATERIALS

| | | | | |
|--------------------------------|-------|--|-----------------------|--------------|
| MATERIAL PER "TAKE-OFF" | | | TOTAL | \$597 |
| MISCELLANEOUS MATERIAL & WASTE | 3.00% | | TOTAL | \$18 |
| | | | SUBTOTAL | \$615 |
| FREIGHT AND HANDLING | | | TOTAL | \$0 |
| SPECIAL EXPEDITING | | | TOTAL | \$0 |
| SALES TAX | 0.0% | | TOTAL | \$0 |
| | | | MATERIAL TOTAL | \$615 |

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

