



# City of Appleton

100 North Appleton Street  
Appleton, WI 54911-4799  
[www.appleton.org](http://www.appleton.org)

## Meeting Agenda Utilities Committee

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Tuesday, May 12, 2015

5:30 PM

Council Chambers, 6th Floor

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1. Call meeting to order

2. Roll call of membership

3. Approval of minutes from previous meeting

[15-714](#) Approval of the April 28, 2015 Utilities Committee Meeting Minutes.

**Attachments:** [April 28, 2015 Utilities Committee Meeting Minutes.pdf](#)

4. **Public Hearings/Apearances**

5. **Action Items**

[15-716](#) Request for credit adjustment for water and sewer charges to Shawn O'Brien and Robert Pedersen for 1305 S Lutz Drive for use accrued during the period of 2/2/2012 - 11/4/2013.

**Attachments:** [1305 S Lutz Drive Adjustment.pdf](#)

[15-717](#) Award of Northland Pond Materials Testing Contract to OMNNI Associates, Inc. in an amount not to exceed \$45,000.

**Attachments:** [Materials Testing OO Pond 2015 Award.pdf](#)

[15-783](#) Request to amend Section 20-237 of Chapter 20 of the Municipal Code related to customer classifications for Stormwater Utility charges.

**Attachments:** [Section 20-237 of Chapter 20.pdf](#)

6. **Information Items**

[15-715](#) Appleton Wastewater Treatment Plant Anaerobic Digester Maintenance and Upgrades Project Update - Sole Source Contract to August Winters in the amount of \$12,359; Biogas Flow Meter Procurement \$6,000 each.

**Attachments:** [Digester Project Contract Sole Source.pdf](#)

- [15-784](#) Award the Glendale Water Tower Project to Caldwell Tanks in the amount of \$2,467,000 with a 10% contingency in the amount of \$246,700 for a project total not to exceed \$2,713,700. This item will be an Action Item at the Finance Committee meeting.

**Attachments:** [Glendale Water Tower Project Award to Caldwell Tanks.pdf](#)

- [15-785](#) Change Order #5 to the Regulatory Upgrade and Process Improvement Project in the amount of \$43,891 resulting in \$38,776 decrease to the approved contingency of \$728,550 to \$689,774. This item will also be an Information Item at the Finance Committee meeting.

**Attachments:** [Change Order #5.pdf](#)

- [15-786](#) Change Order #6 to the Regulatory Upgrade and Process Improvement Project in the amount of \$25,021 resulting in decrease of the project contingency balance of \$689,774 to \$664,753. This item will also be an Information Item at the Finance Committee meeting.

**Attachments:** [Change Order #6.pdf](#)

- [15-787](#) Change Order #7 to the Regulatory Upgrade and Process Improvement Project in the amount of \$22,878 resulting in decrease of the project contingency balance of \$664,753 to \$641,875. This item will also be an Information Item at the Finance Committee meeting.

**Attachments:** [Change Order #7.pdf](#)

- [15-737](#) Update on Stormwater Utility Billing changes for multi-family.

- [15-738](#) Revisions to Illicit Discharges and Connections ordinance.

## 7. Adjournment

*Notice is hereby given that a quorum of the Common Council may be present during this meeting, although no Council action will be taken.*

*Reasonable Accommodations for Persons with Disabilities will be made upon Request and if Feasible.*

*For questions on the agenda, contact Chris Shaw at 920-832-5945 or Paula Vandehey at 920-832-6474.*



# City of Appleton

100 North Appleton Street  
Appleton, WI 54911-4799  
www.appleton.org

## Meeting Minutes Utilities Committee

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Tuesday, April 28, 2015

4:30 PM

Council Chambers, 6th Floor

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1. Call meeting to order

*Chairperson Dannecker called the Utilities Committee meeting to order at 4:30 p.m.*

2. Roll call of membership

**Present:** 4 - Alderperson Jirschele, Alderperson Martin, Alderperson Dannecker and Alderperson Meltzer

**Excused:** 1 - Alderperson Baranowski

3. Approval of minutes from previous meeting

[15-577](#)

Approval of the March 24, 2015 Utilities Committee Meeting minutes.

**Alderperson Martin moved, seconded by Alderperson Meltzer, that the Minutes be approved. Roll Call. Motion carried by the following vote:**

**Aye:** 4 - Alderperson Jirschele, Alderperson Martin, Alderperson Dannecker and Alderperson Meltzer

**Excused:** 1 - Alderperson Baranowski

4. Public Hearings/Apearances

5. Action Items

[15-647](#)

Postpone the Sanders Street watermain replacement project between Seymour Street and Verbrick Street to coincide with the revised street resurfacing project schedule.

**Alderperson Martin moved, seconded by Alderperson Dannecker, that the Report Action Item be recommended for approval. Roll Call. Motion carried by the following vote:**

**Aye:** 4 - Alderperson Jirschele, Alderperson Martin, Alderperson Dannecker and Alderperson Meltzer

**Excused:** 1 - Alderperson Baranowski

[15-663](#)

Award Contract to Fiberglass Solutions, Inc. for Hypochlorite Fiberglass Reinforced Plastic Tank Conditions Assessment & Repair Work in the amount of \$28,673 plus a 5% contingency of \$1,434 for a total not to exceed cost of \$30,107.

**Alderson Martin moved, seconded by Alderson Meltzer, that the Report Action Item be recommended for approval. Roll Call. Motion carried by the following vote:**

**Aye:** 4 - Alderson Jirschele, Alderson Martin, Alderson Dannecker and Alderson Meltzer

**Excused:** 1 - Alderson Baranowski

[15-679](#)

Approval of Engineering Services for Water Plant Softener #3 and #4 Rehabilitation including Field Services to Robert E. Lee and Associates in the amount of \$59,800 and a 5% contingency of \$2,990 for a project total not to exceed \$62,790.

**Alderson Jirschele moved, seconded by Alderson Martin, that the Report Action Item be recommended for approval. Roll Call. Motion carried by the following vote:**

**Aye:** 4 - Alderson Jirschele, Alderson Martin, Alderson Dannecker and Alderson Meltzer

**Excused:** 1 - Alderson Baranowski

## 6. Information Items

[15-626](#)

Confirm the following:

- Elect a Vice-Chair and Secretary
- Designate a "Contact Person" who can answer specific questions about agenda items.
- Meeting date and time

*The Committee motioned and approved Alderson Meltzer as Vice-Chairperson. Director Shaw and Director Vandehey were appointed Secretary and contact people for agenda items. The Utilities Committee will meet on the Tuesday following Common Council at 5:30 p.m.*

[15-578](#)

2015 Water Treatment Facility Generation Test.

*Discussed.*

[15-579](#)

Change Order #1 to PAC Fire Suppression Project contract for flexible connections in the amount of \$894 resulting in a decrease to contingency from \$26,070 to \$25,176.

*Discussed.*

[15-580](#) Change Order #2 to PAC Fire Suppression Project contract for instruments and program alarming capabilities in the amount of \$6,720 resulting in a decrease to contingency from \$25,176 to \$18,456.

*Discussed.*

[15-581](#) Change Order #3 to PAC Fire Suppression Project contract for modifications to the silo bag house resulting in an increase to contingency from \$18,456 to \$21,156.

*Discussed.*

[15-583](#) Compost Project Update.

*Presentation given.*

[15-624](#) Joint Hydrant Painting Proposals with various other communities.

*Discussed.*

[15-623](#) Monthly Reports for January, February, March 2015  
- Wastewater Treatment Plant Synopsis and Receiving Station Revenue  
- Water Treatment Plant Synopsis  
- Water Distribution and Meter Team Monthly Report - March

*Reports were reviewed.*

## 7. Adjournment

**Aldersperson Martin moved, seconded by Aldersperson Jirschele, that the Utilities Committee meeting be adjourned at 5:30 p.m. Roll Call. Motion carried by the following vote:**

**Aye:** 4 - Aldersperson Jirschele, Aldersperson Martin, Aldersperson Dannecker and Aldersperson Meltzer

**Absent:** 1 - Aldersperson Baranowski

Chris Shaw, Utilities Director  
City of Appleton  
Water Treatment Facility  
2281 Manitowoc Rd  
Menasha WI 54952

Mr. or Ms. Shaw;

This is a formal request to appear before the Utilities Committee to appeal and be reimbursed for very high water bills we paid in 2012 and 2013.

You have received a copy of a letter we received from Kelli Rindt denying our appeal.

Please let me know when the Utilities Committee will be meeting, and when we can present our case.

Thank You,

Handwritten signatures of Shawn O'Brien and Robert Pedersen. The signature of Shawn O'Brien is on the left, and the signature of Robert Pedersen is on the right, overlapping slightly.

Shawn O'Brien and Robert Pedersen

1305 S Lutz Dr  
Appleton WI 54914  
Phone (920)739-0513  
Email [sobrien48@new.rr.com](mailto:sobrien48@new.rr.com)

December 4, 2014

City of Appleton  
Finance Department  
Attn: Billing Department

Billing Department;

Sometime during 2012 we realized that our water bill was way too high. We had water department meter readers at our house three or four times in the ensuing months. Mostly what they would do is look at the water meter and determine that we had no continuous water running. They could not figure out what was causing our high bills.

Finally, the last person to come out decided to change the meter. What a difference that made!

I have totaled our bills for the last three years. I believe the bills run from December of one year through November of the next year.

Here is what we paid yearly for the last three years:

2012	1192.99
2013	1179.83
2014	660.39

It appears to me that in 2012 and 2013 we paid approximately 500.00 over what the charge should have been because of a faulty water meter. **Please see attached document of quarterly payments.**

Because we had meter readers look at it several times before the meter was changed, we believe that you owe us the amount that we overpaid for the years of 2012 and 2013. The amount would be approximately \$1000.00.

We are requesting that you send us a check in that amount. If you would like to discuss this please email or call.

Email address is [sobrien48@new.rr.com](mailto:sobrien48@new.rr.com)  
Phone 739-0513

Thank you,

Shawn O'Brien & Robert Pedersen  
1305 S Lutz Drive  
Appleton WI 54914  
Account Number: 300-100-100



*"...meeting community needs...enhancing quality of life."*

**FINANCE DEPARTMENT**

100 N Appleton Street  
Appleton, WI 54911-4799  
Phone: 920-832-6442

January 5, 2015

Shawn O'Brien and Robert Pedersen  
1305 S Lutz Drive  
Appleton, WI 54914

This letter is in response to your request to issue a credit on the City utility service account 300-100-100 for the property located at 1305 S Lutz Street.

I have had an opportunity to review all documentation and notes as it is related to water use at the above mentioned property, this includes the meter test record of the meter that was removed on December 4<sup>th</sup>, 2013, consumption history and notes from the account.

The meter test record shows that the meter tested according to Public Service Commission rules, the test did not show any indication of a faulty meter (see enclosed meter test record). The 3-year consumption history does show swings in consumption; these swings could be for a variety of reasons including: outside water use for pools or lawn watering, increase or decrease in number of occupants, vacations, or leaks both known and unknown. Account notes did show that a meter tech was at the property on June 5<sup>th</sup> 2012 to check for normal consumption as repairs for a leak had been made; a meter tech was also at the property on February 18<sup>th</sup> 2013 and could not locate any leaks at that time.

Based on the review that I have completed an adjustment cannot be made on this account. If you wish to further appeal the utility charges, you may appear before the Utilities Committee; a written request to appear must be submitted to:

Chris Shaw, Utilities Director  
City of Appleton  
Water Treatment Facility  
2281 Manitowoc Rd  
Menasha, WI 54952

A copy of the agenda will be sent to you prior to the scheduled meeting. You are not required to attend the meeting, however this is your opportunity to present any information you may have, and respond to any questions the Committee may have on this issue. If you have further concerns or questions, please feel free to contact me at 832-6316.

Sincerely,

Kelli Rindt  
Enterprise Fund Accounting Manager

CC: Judy, Utility Billing Clerk  
Chris Shaw, Utilities Director  
Enc: Meter Test Record  
3-year Consumption History  
Timeline for 1305 S Lutz Dr



UTL705R2

CITY OF APPLETON  
METER SYSTEM  
Test Maintenance

UTL705D

84421618  
1305 S LUTZ  
5/8" BADGER

DR

25

Test Date: 12/04/13  
Tech: SHELDON

Found	Left
99.2	_____
<u>100.6</u>	_____
R	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Date (fills with test date)  
OUT: 12/04/13  
IN: 12/04/13

Cause: 2 TEST & CLEAN

PARTS:  
Other \_\_\_\_\_

F1 - Field Help  
ENTER: Update

F3 - Exit

F11 - Delete

CITY OF APPLETON  
UTILITY BILLING SYSTEM  
Reading/Consumption History Inquiry

Account Number 300-100-100 Property Key 31-3-1661-00  
Service Address 1305 S LUTZ DR  
Customer Name PEDERSON, ROBERT  
Mtr Size-Mfr#-Brnd 5/8" 76407325 SENSUS I-PERL  
Remote Location Module# 19145992 Exception Meter(s) NO

Read Date	Reading	Reg/ Est Rdr	Bill Date	Consumption	Wtr Con Billed	Swr Con Billed
11/01/14	237.0	R SN	11/30/14 c	1030	1030	900
			gal	7700		
8/04/14	160.0	R SN	8/31/14 c	1000	1000	900
			gal	7500		
5/01/14	85.0	R SN	5/31/14 c	530	530	530
			gal	4000		
2/03/14	45.0	R SN	2/28/14 c	600	900	900
			gal	4500		
11/04/13		R RR	11/30/13 c	7100	7100	3900
			gal			
8/05/13	758.0	R RR	8/31/13 c	1000	1000	1000
			gal			
5/01/13	748.0	R RR	5/31/13 c	700	700	700
			gal			
2/05/13	741.0	R RR	2/28/13 c	3900	3900	3900
			gal			
11/01/12	702.0	R RR	11/30/12 c	900	900	900
			gal			
8/01/12	693.0	R RR	8/31/12 c	3300	3300	3300
			gal			
5/01/12	660.0	R RR	5/31/12 c	7000	7000	7000
			gal			
2/01/12	590.0	R RR	2/29/12 c	900	900	900
			gal			
11/02/11	581.0	R RR	11/30/11 c	1000	1000	1000
			gal			
8/01/11	571.0	R RR	8/31/11 c	4500	4500	1000
			gal			
5/02/11	526.0	R RR	5/31/11 c	1000	1000	1000
			gal			

F1:Return F2:Addr/Due Inf F4:Desc Inf F6:Charges Assgnd F10:History  
F12:Notices F14:Spec1 Inf F16:Notepad F18:Exc Mtr F20:Cons Adj

January 13, 2015

Kelli Rindt  
Enterprise Fund Accounting Manager  
Finance Department  
100 N. Appleton Street  
Appleton WI 54911-4799

This letter is in response to your review of our water bills. I want to reply to a couple of points you made.

Although the defective meter, which was removed on December 4, 2013, tested okay in the post-test, we believe that the problem was this meter as it was connected to our water line.

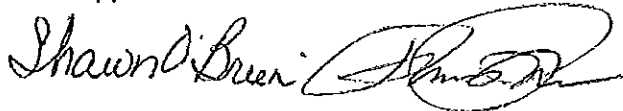
You listed several reasons why we could have used substantially more than the average amounts of water during certain periods of time. We certainly did not take vacation during all the months that the bill was low. We have always been a household of two, with occasional guests for a few days, but never for extended stays. We have never watered our lawn, our gardens and have no pool.

We were extremely thorough in our checks for water leaks. We checked all sources many times ourselves. We also had a representative from the water department come to our house at least two, and maybe three times to check. They could never find anything running.

In the two years previous to the new water meter our annual bills were \$1192.97 in 2012 and \$1179.83 in 2013. After it was changed our annual bill was \$660.39, which is more than \$500.00 less than in the previous two years.

We firmly believe that this was a result of the meter or the billing department and nothing we can be held responsible for.

We're sending a copy of this letter to Chris Shaw to attach to your letter and our request to appear before the utilities commission.

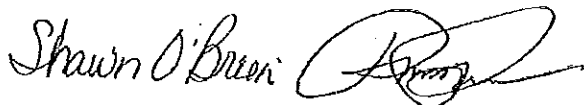
A handwritten signature in black ink, appearing to read "Shawn O'Brien" followed by a stylized signature that likely represents Robert Pedersen.

Shawn O'Brien & Robert Pedersen

Chris Shaw, Utilities Director  
City of Appleton  
Water Treatment Facility  
2281 Manitowoc Rd  
Menasha, WI 54952

Please attach this response to Kelli Rindt's letter of January 8, 2015 and our request to appear before the Utilities Committee.

Thank you

Handwritten signatures of Shawn O'Brien and Robert Pedersen. The signature of Shawn O'Brien is on the left, and the signature of Robert Pedersen is on the right, overlapping slightly.

Shawn O'Brien & Robert Pedersen

### **Timeline for 1305 S Lutz Dr (300-100-100)**

2/1/12 – Meter reads 590 (reading in Hundred Cubic Feet)

5/1/12 – Meter reads 660 (reading in Hundred Cubic Feet) – Consumption for quarterly billing 70 Ccf

5/3/12 – High use letter sent (reading in Hundred Cubic Feet)

6/5/12 – Meter reads 663 – customer request reading to verify repairs made for leak.

8/1/12 – Meter reads 693 (reading in Hundred Cubic Feet) – Consumption for quarterly billing 30 Ccf

11/1/12 – Meter reads 702 (reading in Hundred Cubic Feet) – Consumption for quarterly billing 9 Ccf

2/5/13 – Meter reads 741 (reading in Hundred Cubic Feet) – Consumption for quarterly billing 68 Ccf

2/6/13 – High use letter sent

2/18/13 – Meter Tech could not find any leaks at visit to property

5/1/13 – Meter reads 748 (reading in Hundred Cubic Feet) – Consumption for quarterly billing 7 Ccf

8/5/13 – Meter reads 758 (reading in Hundred Cubic Feet) – Consumption for quarterly billing 10 Ccf

11/4/13 – Meter reads 829 (reading in Hundred Cubic Feet) – Consumption for quarterly billing 71 Ccf

11/5/13 – High use letter sent

12/4/13 – Badger Meter was removed (Meter read 832.94), Installed new Sensus Meter

12/4/13 – Badger Meter was tested for accuracy, passed testing.

2/3/14 – Meter reads 45 (reading in Hundred Gallons) – Consumption for quarterly billing 9 Ccf

5/1/14 – Meter reads 85 (reading in Hundred Gallons) – Consumption for quarterly billing 5.3 Ccf

8/4/14 – Meter reads 160 (reading in Hundred Gallons) – Consumption for quarterly billing 10 Ccf

11/1/14 – Meter reads 237 (reading in Hundred Gallons) – Consumption for quarterly billing 10.3 Ccf

12/6/14 – Letter received from customer in regards to prior consumption.

1/5/15 – Reply sent to customer denying adjustment to account.

1/13/15 – Letter received from customer in response to 1/5/15 letter

1/21/15 – Notice sent to customer to appear at Utilities Committee on February 10, 2015.

1/26/15 – Received call from customer that she was unable to attend meeting of February 10<sup>th</sup>, and requesting to appear at Utilities Committee later in 2015.

2/1/15 Meter reads 323 (reading in Hundreds Gallons) – Consumption for quarterly billing 11.5 Ccf

4/28/15 Meter reads 369 (reading in Hundreds Gallons)

## **Department of Public Works – Engineering Division**

### **MEMO**

**TO:** Utilities Committee

**FROM:** Paula Vandehey, Director of Public Works  
Sue Olson, Staff Engineer  
Pete Neuberger, Staff Engineer

**DATE:** May 5, 2015

**RE:** Award of Northland Pond Materials Testing Contract to OMNNI Associates, Inc. in an amount not to exceed \$45,000.

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The Department of Public Works recommends award of the Northland Pond Materials Testing Contract to OMNNI Associates, Inc. in an amount not to exceed \$45,000.

OMNNI began working on the contaminated materials testing for the Northland Pond under Unit M-14, as staff and Brown and Caldwell were evaluating the feasibility of the site on the Northland Avenue for the stormwater pond. The Northland Pond project is moving forward and additional contaminated materials testing and permitting is required as the final design is completed.

The scope of work will include the following:

- Abandoning monitoring wells in multiple phases when they are no longer needed
- Preparing DNR, landfill disposal, and Wastewater Treatment Plant applications
- Groundwater sampling
- Confirmation Soil sampling
- DNR Closure request

It is possible that the DNR requirements for the sampling and permitting may change by the time the pond is constructed (currently scheduled for 2017). The proposed budget includes a contingency to accommodate some modifications. Any significant changes requiring a contract amendment will be brought to the Utilities Committee and Common Council for approval prior to any additional work.

Although OMNNI Associates was successful in receiving the M-15 contract, staff is recommending that the work on the Northland Pond be a separate contract because the timeline to construction is not certain (staff continues to search for disposal sites for the material). This will allow work on the Northland Pond to continue, while materials testing contracts are awarded and closed on a yearly basis.



## MEMO

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**TO:** Utilities Committee

**FROM:** Paula Vandehey, Director of Public Works *PAV*

**DATE:** May 7, 2014

**SUBJECT:** Request to amend Section 20-237 of Chapter 20 of the Municipal Code related to customer classifications for Stormwater Utility charges.

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In 2011 Section 20-237 of Chapter 20 of the Municipal Code related to customer classifications for Stormwater Utility charges was modified to account for ERU's (Equivalent Runoff Units) associated with private roadways. The format of the Ordinance language was also converted from narrative to chart. As part of this Code amendment, Section 1(j) related to a minimum charge equal to 0.4 ERU's for any Class 5 parcel was inadvertently deleted. We are requesting that the Code be amended to reinstate the minimum ERU language.

Attached for you information is a copy of the Code language from 2008 and 2011.

Attachments

**ADOPTED:** October 1, 2008  
**PUBLISHED:** October 6, 2008  
Office of the City Clerk

136 - 08

**AN ORDINANCE AMENDING SECTION 20-237 OF CHAPTER 20 OF THE MUNICIPAL CODE OF THE CITY OF APPLETON, RELATING TO CUSTOMER CLASSIFICATION.**

(Utilities Committee 9-17-08)

The Common Council of the City of Appleton does ordain as follows:

**Section 1:** That Section 20-237 of Chapter 20 of the Municipal Code of the City of Appleton, relating to customer classification, is hereby amended to read as follows:

**Sec. 20-237. Customer classification.**

(a) For purposes of imposing the stormwater charges, all lots and parcels within the City are classified into the following six (6) customer classes:

- (1) Residential – Single Family, Manufactured/Mobile Home, Bed and Breakfast with four (4) units or less and detached, individual condominium units located on public roads
- (2) Residential – Duplex, two (2) unit condominiums and Bed and Breakfast with five (5) units or more
- (3) Residential – Multifamily and Condominiums located on public roads
- (4) Residential – Located on private roads
- (5) Non-residential and multi-use
- (6) Undeveloped

(b) The Director shall prepare a list of lots and parcels within the City of Appleton and assign a classification of residential, non-residential or undeveloped to each lot or parcel.

(c) The average square footage of impervious area of ERU is established to be equivalent to 2,368 square feet.

(d) The charges imposed for Class (1) and Class (4) residential properties shall be the rate for one (1) ERU.

(e) The charges imposed for Class (2) residential properties shall be the rate for one-half (½) of one (1) ERU for each individual dwelling unit existing on the property. (ERU rate multiplied by the number of dwelling units.)



(f) The charges imposed for Class (3) residential properties shall be the rate of four-tenths of one ERU (0.4) multiplied by the number of individual dwelling units existing on the property.

(g) The charges imposed for Class (5) properties as defined herein shall be the rate for one (1) ERU, multiplied by the numerical factor obtained by dividing the total impervious area of a non-residential property by the square footage of one (1) ERU. The factor shall be rounded down to the nearest one-tenth (0.1), i.e.

$$\text{ERU rate multiplied by } \frac{\text{impervious area}}{\text{ERU}}$$

(h) The charges imposed for Class (6) properties as defined herein shall be the rate for one (1) ERU multiplied by a factor established by resolution and then divided by the square footage for one (1) ERU established by resolution.

(i) The Director shall be responsible for determining the impervious area based on the best available information, including, but not limited to, data supplied by the City Assessor, aerial photography, the property owner, tenant or developer. The Director may require additional information as necessary to make the determination. The billing amount shall be updated by the Director based on the building permit process.


X (j) The minimum charges for any Class 5 parcel shall be equal to the rate for four-tenths (0.4) of one (1) ERU.

(k) All unoccupied developed lots and parcels shall be subject to the stormwater utility charges.

**Section 2:** This ordinance shall be in full force and effect from and after its passage and publication.

Dated: October 2, 2008

  
Timothy M. Hanna, Mayor

  
Cynthia I. Hesse, City Clerk

**ADOPTED:** January 5, 2011  
**PUBLISHED:** January 10, 2011  
Office of the City Clerk

23 - 11

**AN ORDINANCE AMENDING SECTION 20-237 OF CHAPTER 20 OF THE MUNICIPAL CODE OF THE CITY OF APPLETON, RELATING TO CUSTOMER CLASSIFICATION.**

(Utilities Committee – 12-15-10)

The Common Council of the City of Appleton does ordain as follows:

**Section 1:** That Section 20-237 of Chapter 20 of the Municipal Code of the City of Appleton, relating to customer classification, is hereby amended to read as follows:

**Sec. 20-237. Customer classification.**

(a) For purposes of imposing the stormwater charges, all lots and parcels within the City are classified as follows:

Classification	ERUs imposed	
	Public Road	Private Road
Single Family	1	1
Detached Individual Condominiums	1	1
Duplex	.5/unit	1/unit
Duplex Condominiums	.5/unit	1/unit
Multifamily Condominiums	.4/unit	1/unit
Mobile Homes	.5/unit	1/unit
Bed & Breakfast (fewer than 5 units)	1	1
Bed & Breakfast (5 units or more)	.5/unit	1/unit
Multifamily rental	.4/unit	1/unit
Non-Residential and Multi-Use	One (1) ERU, multiplied by the numerical factor obtained by dividing the total impervious area of a non-residential property by the square footage of one (1) ERU, rounded down to the nearest one-tenth (0.1), i.e.:  ERU rate x $\frac{\text{impervious area}}{\text{ERU}}$	One (1) ERU, multiplied by the numerical factor obtained by dividing the total impervious area of a non-residential property by the square footage of one (1) ERU, rounded down to the nearest one-tenth (0.1), i.e.:  ERU rate x $\frac{\text{impervious area}}{\text{ERU}}$
Undeveloped	One (1) ERU multiplied by a factor established by resolution then divided by the square footage for one (1) ERU established by resolution	One (1) ERU multiplied by a factor established by resolution then divided by the square footage for one (1) ERU established by resolution

(b) The Director shall prepare a list of lots and parcels within the City of Appleton and assign a classification to each lot or parcel.

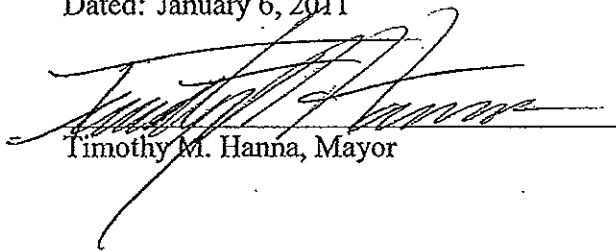
(c) The average square footage of impervious area of ERU is established to be equivalent to 2,368 square feet.

(d) The Director shall be responsible for determining the impervious area based on the best available information, including, but not limited to, data supplied by the City Assessor, aerial photography, the property owner, tenant or developer. The Director may require additional information as necessary to make the determination. The billing amount shall be updated by the Director based on the building permit process.

(e) All unoccupied developed lots and parcels shall be subject to the stormwater utility charges.

**Section 2:** This ordinance shall be in full force and effect from and after its passage and publication.

Dated: January 6, 2011



Timothy M. Hanna, Mayor



Cynthia I. Hesse, City Clerk



*"...meeting community needs...enhancing quality of life."*

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Department of Utilities  
Wastewater Treatment Plant  
2006 E Newberry Street  
Appleton, WI 54915  
920-832-5945 tel.  
920-832-5949 fax

**TO:** Chris Shaw, Utilities Director

**CC:** Robert Kennedy, Wastewater Operations Supervisor

**FROM:** Chris Stempa, Utilities Deputy Director

**DATE:** May 5, 2015

**RE:** *Appleton Wastewater Treatment Plant Anaerobic Digester Maintenance and Upgrades Project Update -- Sole Source Contract to August Winters in the Amount of \$12,359; Biogas Flow Meter Procurement \$6,000 ea.*

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**BACKGROUND:**

Since late 2014 the AWWTP has been engaged in a CIP and O&M project with our contracted engineer McMahon for Anaerobic Digester Maintenance and Upgrades work. As the project has developed, plans and needs have been refined and the need for specialized gas flow monitoring equipment and contract work outside of McMahons original contract with their subcontracts has been identified. A decision on what path to proceed with procurement of specialized equipment and engagement of a separate contract for the equipment installation was predicated on design-build implications (prohibited in WI).

The preliminary planning and evaluation phases of the digester maintenance and upgrades work was initiated by McMahon in the last quarter of 2014 thus the project at large was carried over into 2015. The upgrade tasks (CIP related) involve optimizing the methane mixing system, installing accurate gas metering technology and introducing instruments and SCADA improvements for improved process control and energy reduction savings (utilize one 75 hp gas mix compressor vs. two for estimated annual savings of \$30K/yr). The maintenance side of the project (O&M budget) involves biogas piping cleaning and inspection services, exterior digester cover repair, metal flashing repair and recoating work. The majority of the CIP and O&M project tasks are being blended as part of a single public bid project with the exception of piping cleaning and inspection. McMahon as the contracted engineer is designing various improvements, creating bidding documents, and performing necessary construction management services but also subcontracting the gas pipe purging and cleaning services. The cleaning and inspection services portion was segregated from the other tasks because information discovered during this phase would or could significantly modify the originally

conceived project. The biogas piping has not been inspected since original construction in the early 1990's. Pipe condition and potential sludge build-up within are two critical factors currently unknown which the inspection will reveal.

## **JUSTIFICATION:**

### Deviation from Contract scope with McMahon and Sole Source Justification:

Through the preliminary engineering and planning phases it was determined that the originally constructed biogas piping (a.k.a. "waste gas" piping) connected to each anaerobic digester shared a common connection point before extending down the elevator chase in independent legs then re-joining in a common larger gas header pipe. The existing gas flow meters were discovered to have been historically inaccurate partially because they are of an older, less accurate technology. Equally, if not more significant, was that the common juncture point for the digester gas piping was causing significant error in instantaneous flow measurements. This makes process diagnostics and the goal of system balancing through use of modified gas mix compressor operation difficult to impossible. Furthermore, the AWWTP is now required by WDNR air permit to accurately report gas emissions which the current meters cannot provide.

- **Gas Piping Modifications and Gas Flow Meter Installation:** August Winters is currently under contract by McMahon as part of the inspection and cleaning phase of this project (they are also on site as the lead contractor for the WW Bar Screen Project). They provided a quote to segregate or eliminate the junction point of the two biogas pipes and install new gas flow meters. The piping modification work and gas meter installation cost estimate totaled \$12,359. This cost appears to be reasonable for the work identified and the space in which they will be performing it (vertical shaft of digester tower). If acceptable, the AWWTP would issue a PO to August Winters for this work. This avoids design-build implications (explained also in next bullet) and various avoidable costs (see last paragraph) while preserving a project schedule most beneficial to the AWWTP. Costs for this work would come from the project budget.
- **City Procurement of Gas Flow Meters:** Three different gas flow meters were evaluated to determine the most appropriate replacement technology based on the WW plants needs (ex. accuracy, resolution, maintenance requirements, and other engineering factors). The selected device (FCI ST 100, see attached spreadsheet summary) meets our system requirements and overall needs while still being the least cost option at \$6,000 for each meter (require two meters, one for each digester). McMahon was reluctant to purchase the biogas meters as part of their contract because of "design-build" implications which is prohibited under Wisconsin state statutes. Therefore, it is suggested that the City procure this equipment directly for the contractor (August Winters) to install. The cost for this equipment was identified as a line item cost when formulating the original 2014 project budget.

## **CONCLUSION:**

By conducting this work (bullets above, plus cleaning and inspection) the AWWTP will only be required to have the complete gas management system down once (estimate 8-10

hours) which includes a single nitrogen purge to remove explosive gases from the associated piping that will facilitate inspection and piping modification tasks. If this work was split up into separate tasks or multiple day events it would require additional shut down and nitrogen purging greatly increasing contract costs and also costs incurred because of natural gas consumption. Under normal operation the biogas produced is utilized for process and building heat by the Hurst Boilers. Annually this savings is approximately \$140,000 so on a daily basis it may not be significant but nonetheless an avoidable cost. A more important reason, aside from costs to conducting the work under a single shut down event, is safety. Each time the gas management system is shut down, purged, and worked on it involves a level of risk because of the explosive nature of methane gas. Lastly, each gas management system shut down results in biogas not being burned via waste gas flare or biogas boilers which has implications to the AWWTP air emissions permit. Unburned biogas is considered an emissions pollutant which counts against annual permitted thresholds for various constituents (e.g. greenhouse gases methane and carbon dioxide) which are enforceable under state and federal regulations.

The contract with August Winters in the amount of \$12,359 is under the procurement policy threshold of \$15,000 which requires Utilities Committee and Common Council approval authorization. Finance Department approval was sought and granted by Jeff Fait on April 29, 2010. In summary, the approach being taken achieves project objectives quickly, efficiently, safely, and cost effectively. If you have any questions regarding this project please contact Chris Stempa ph: 832-5945



*"...meeting community needs...enhancing quality of life."*

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Department of Utilities  
Water Treatment Facility  
2281 Manitowoc Road  
Menasha, WI 54952  
920-997-4200 phone  
920-997-3240 fax

**TO:** Chairperson Kathy Plank and Members of the Finance Committee

**CC:** Chairperson Greg Dannecker and Members of the Utilities Committee

**FROM:** Utilities Director Chris Shaw

**DATE:** May 6, 2015

**RE:** *Award the Glendale Water Tower Project to Caldwell Tanks in the amount of \$2,467,000 with a 10% contingency in the amount of \$246,700 for a project total not to exceed \$2,713,700*

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**BACKGROUND:**

The 1 million gallon Glendale Water Tower Project is currently budgeted and planned for construction during 2015 and 2016. The proposed tower will provide increased fire protection capability and an additional 500,000 gallons of elevated water storage. As reported in a February 29, 2014 memo to Utilities Committee, the Public Works and Utilities Departments had selected the City owned site southwest of the Glendale and Sandra intersection. The site location was selected based on computer hydraulic modeling and a preliminary geotechnical survey of the property which confirmed appropriate subsoil conditions to support the 1 million gallon tower structure.

On July 18, 2014 the Utilities Committee approved an engineering services contract to Strand Associates. Strand Associates completed an initial evaluation of alternative tower styles and construction. From their analysis, the composite style (steel tank storage container atop a reinforced concrete pedestal) of water tower provides the greatest value at the least cost. Strand Associates is also under contract to provide construction management services over the course of the project.

**BIDDING PROCESS AND RESULTS:**

Bidding documents were finalized in April 2015. The construction costs were estimated to be above the budget of \$2,900,000. Project cost reductions included leaving moderately contaminated soils on site, reducing the coating system containment curtain

and removing the City logo from the project. On May 5, 2015 four contractor bids were opened. The following table identifies the contractor bids.

<b>COMPANY</b>	<b>BID</b>
<i>Chicago Bridge and Iron</i>	\$2,673,000
<i>Landmark Structures</i>	\$2,575,000
<i>Phoenix Fabricators</i>	\$2,849,000
<i>Caldwell Tanks</i>	\$2,467,000

All of the submitted bids met project bidding requirements. The quote received from Caldwell Tanks was the least cost quote. Strand Associates completed their review and recommends that the project be awarded to Caldwell Tanks.

**RECOMMENDATION:**

Award the Glendale Water Tower Project to Caldwell Tanks in the amount of \$2,467,000 with a 10% contingency in the amount of \$246,700 for a project total not to exceed \$2,713,700. If you have questions regarding this project please feel free to contact Chris Shaw at ph: 832-5945.





**CONTRACT MODIFICATION**  
**CITY OF APPLETON, WISCONSIN**

☒ CHANGE ORDER

☐ WRITTEN AMENDMENT

MODIFICATION NO<sup>1</sup>: 005

TO CONTRACTOR: Staab Construction Corporation

PROJECT: Regulatory Upgrade and Process Improvement PROJECT NO: 488399

OWNER: City of Appleton

ENGINEER: CH2MHILL

**The following modification(s) to the Contract are hereby ordered (use additional pages if required):**

See RFQ Log attached. Includes RFQs 43 through 56, excluding 47 and 55.

**Reason for Modification(s):**

Various. See RFQs 43 through 56, excluding 47 and 55, attached.

**Attachments (List Supporting Documents):**

RFQs 43 through 56, excluding 47 and 55, attached.

Contract Amount or Price		Contract Times (Calculate Days)	
Original	\$4,867,000	Original Duration	365 Days
Previous Contract		Previous Contract	
Modification(s)		Modification(s)	
(Deduct)	\$(5,116)	(Add)	180 Days
This Contract Modification		This Contract Modification	
(Add)	\$43,891	(Add/Deduct)	0 Days
Revised Contract Amount	\$4,895,776	Revised Contract Time	545 Days
The Revised Contract Completion Date is:			
July 27, 2015			

Owner	Contractor	Engineer Recommendation <sup>2</sup>
By: <u>[Signature]</u>	By: <u>[Signature]</u>	By: <u>Tony Myers</u>
Date: <u>5/7/15</u>	Date: <u>5/6/15</u>	Date: <u>May 6, 2015</u>

<sup>1</sup> Number all Modifications consecutively.

<sup>2</sup> Recommendation necessary for Change Orders.

Copies: Owner

City of Appleton RFQ Log

Regulatory Upgrade and Process Improvement Project

Number	Date Initiated	Description	Comments	Status	Amount
001	2/21/14	SST Ladders in Clearwell	Owner decided to stay with FRP ladders based on additional \$15,170 cost for SST ladders.	Not-accepted	\$ -
002	2/27/14	SCADA Software	Additional software and licenses to meet plant needs.	Accepted	\$ 13,988
003	3/7/14	Contractor Plating Alternate	Contractor suggested alternative for Concrete gullet cap instead of SST plates. Easier installation and lower cost.	Accepted	\$ (95,719)
004	3/12/14	10" SS Drain Pipe Modifications	Unforeseen conditions in the Membrane wet well require relocation of SST purge valve pipe and copper pipe to avoid interference with new dual concrete wall.	Accepted	\$ 1,231
005	3/13/14	Membrane Wetwell Rebar	Additional rebar recommended during shop drawing review to reduce potential for concrete shrinkage and water leakage at the wall base.	Accepted	\$ 4,362
006	3/14/14	Galvanized Pipe Flanges	Substitute galvanized back-up flanges for SST back-up flanges to match existing pipe materials.	Accepted	\$ (33,836)
			<b>Change Order 1 Processed for RFQs 1 through 6. Total Cost = Deduct of \$109,974</b>		
007	3/21/14	Existing Contactor Slabs crack repair	95.00 /lf for the first 100 lineal feet. \$60.00 per lf thereafter and not to exceed \$15,000. Time and materials for contactors #5 through #8 was \$9,885. Cost for contactors #1-#4 will be determined later when work is complete.	Accepted	\$ 9,885
008	4/9/14	Leak Monitoring in Membrane Wetwell walls	Add leak monitoring device in membrane wetwell air gap.	Accepted	\$ 2,333
009	4/10/14	Change Pinch valves to ball valves	Change lime system pinch valves to SST ball valves.	Accepted	\$ (10,140)
010	4/10/14	Tideflex Valves	Delete four 1" tideflex valves in softening basins.	Accepted	\$ (368)
011	4/11/14	Filter Gullet Drain Valve Support	Add a support bar to the 30" filter drain valve	Accepted	\$ 2,040
012	4/11/14	Ammonia vacuum valves	Add vacuum valves on each storage tank.	Accepted	\$ 892
013	4/14/14	Hach WIMS software licenses	Add 4 concurrent licenses so more people can access data at the same time.	Accepted	\$ 4,305

\$ (109,974)

City of Appleton RFQ Log

Regulatory Upgrade and Process Improvement Project

Number	Date Initiated	Description	Comments	Status	Amount
014	4/22/14	Lime Feed Motor Heaters	Add motor heaters to lime mix system (not feed pumps) \$18,912	Rejected	
015	4/24/14	Electrical UPS connections	Connect UV PLC to UPS power, per RFI 12.	Accepted	\$ 6,221
016	5/5/14	Electrical Conduit	Change from PVC coated to Aluminum in polymer and ammonia areas.	Accepted	\$ (2,305)
017	5/10/14	Air Line Vent	Do not replace 1" air line vent with 2" vent	Accepted	\$ (3,400)
018	5/9/14	Ammonia Tank Weigh Scales	Upsize weigh scales	Accepted	\$ 6,563
019	5/12/14	OT sample piping	Increase sample piping from 3/4" to 1" to match existing	Accepted	\$ 1,145
020	5/14/14	Krohne Flow Meters	Change from ABB to Krohne flow meters to match existing plant meters.	Accepted	\$ 2,995
021	5/30/14	Polymer Diffuser Modifications	The Polymer Detail was modified to 1" SST	Accepted	\$ 564
022	6/5/14	24V DC signals	Change leak detection signals from 120V AC to 24V DC	Accepted	\$ 2,209
			<b>Change Order 2 Processed for RFQs 7 through 22. Total Cost = Add \$22,939</b>		
023	6/5/14	Expansion Joint Repair	Repair cleanwell exterior wall expansion joint		
024	7/2/14	Valve Shaft Replacement	Replace corroded valve shaft in cleanwell with 316 SST shaft	Accepted	\$ 3,191
025	7/7/14	Electrical Conduit Lime Room	Change from PVC coated to Aluminum in lime areas.	Accepted	\$ (5,972)
026	7/15/14	Polymer Rotometers	Reduce size of rotometers from 20 gpm to 10 gpm. (add \$625)	Rejected	
027	7/23/14	UV Cable Length	Increase length of UV cable to reach equipment	Accepted	\$ 4,304
028	7/28/14	Remove 12" SST Pipe	Remove 12" SST pipe in membrane wet well	Accepted	\$ 1,618

\$ 22,939

City of Appleton RFQ Log

Regulatory Upgrade and Process Improvement Project					
Number	Date Initiated	Description	Comments	Status	Amount
029	8/6/14	Hach WIMS Programming	Cost for Hach WIMS programming services per WCD #1 dated 7/21/14	Accepted	\$ 9,964
030	8/7/14	Expansion Joint Leakage Repair	Water Leakage under walls at the expansion joint	Accepted	\$ 1,541
031	8/15/14	Hub Drains	Eliminate hub drains and drain piping near UV reactors, per RFI 032.	Accepted	\$ (4,773)
032	8/20/14	Vertical Expansion Joints	Install vertical expansion joint in 2 new CT tank walls	Accepted	\$ 12,354
033	8/21/14	Post-UV Chemical Injection Ports	Modify post-UV chemical injection ports as shown in sketches	Accepted	\$ 1,733
034	8/25/14	Repair existing clearwell floor expansion joint	Previously identified repair work Owner would like done in this contract	Accepted	\$ 6,702
035	8/25/14	16" pipe Expansion Joint	Installing a 16" expansion joint in the 16" RTN line	Accepted	\$ 3,175
036	9/5/14	Chemical Table Drip Pan	Add a drip pan to the ammonia chemical feed pump table.	Accepted	\$ 1,338
037	9/19/14	Contact Valve Positioner Wiring	Add electrical wire/conduit for position feature on FTW valves	Accepted	\$ 4,854
			<b>Change Order 3 Processed for RFQs 24, 25 and 27 through 37. Total Cost = Add of \$40,029</b>		
038	10/1/14	CT Tank Expansion Joint Support	Add SST support bars on CT tank expansion joints	Accepted	\$ 19,671
039	10/2/14	Contact Gullet Crack Injection	Repair cracks in existing GAC Contactor gullet slab.	Accepted	\$ 13,105
040	10/2/14	Contact Wall Repair	Repair wall in existing Contactor 1	Accepted	\$ 4,869
041	11/19/14	UVT Analyzer Rotameters	Smaller rotameters for better accuracy. Hedland units are more cost effective. Owner can keep original rotameters provided.	Accepted	\$ 2,117
042	12/3/14	UPS power to S::CAN units	Connect S::CAN UV analyzers to backup UPS power source	Accepted	\$ 2,129
			<b>Change Order 4 Processed for RFQs 38 through 42. Total Cost = Add of \$41,891</b>		
					\$ 40,029
					\$ 41,891

City of Appleton RFQ Log

Regulatory Upgrade and Process Improvement Project

Number	Date Initiated	Description	Comments	Status	Amount
043	12/3/14	Ammonia tank flex connectors	Provide flexible connections on storage and day tank pipes to improve weigh scale accuracy.	Accepted	\$ 10,183
044	1/6/15	UV Sample Ports	Add 8 sample ports to the UV piping, at the pressure gauges upstream and downstream of each UV reactor	Accepted	\$ 2,082
045	1/6/15	Air Relief Valves	Add air relief valves on north and south UV inlet headers and on each UV reactor.	Accepted	\$ 8,791
046	1/9/15	Aqueous Ammonia Feed Pump Pressure Gauge with seal and PRV	As recommended by pump manufacturer to facilitate PRV field adjustment.	Accepted	\$ 3,537
048	2/26/15	Pressure Gauge on Ammonia Transfer Pumps	Recommended by pump manufacturer to assist with monitoring pump operation during testing.	Accepted	\$ 903
049	2/27/15	VIBRATION ISOLATORS FOR knife gate VALVES	Reduce vibration from lime silo at knife gate valve	Accepted	\$ 381
050	2/27/15	AIR VALVE PUSH FITTINGS	Owner request for better operations and maintenance.	Accepted	\$ 649
051	2/27/15	Ammonia ABSORBER DRAIN SUMP	Trap potential fumes from ammonia absorber.	Accepted	\$ 428
052	5/5/15	Credit for instrument training	Credit to delete training on common instruments that plant staff are already familiar with.	Accepted	\$ (5,001)
053	4/3/15	Sludge Pit Piping	Owner project to interconnect North or South Sludge Pumps to simultaneously pump both pits	Accepted	\$ 10,608
054	4/15/15	UV Air Release Valves	Provide additional air relief for UV system.	Accepted	\$ 10,304
056	4/28/15	Basin 2B Weir Plates	Reduce weir length in CT tank 2B to provide additional operational flexibility.	Accepted	\$ 1,026
			<b>Change Order 5 Processed for RFQs 43 through 56, except for 47 and 55. Total Cost = Add of \$43,891</b>		
055	4/21/15	CT Tank Expansion Joint Waterstop	Provide additional protection against tank leakage.	Accepted	\$ 25,021
			<b>Change Order 6 Processed for RFQ 55. Total Cost = Add of \$25,021</b>		

\$ 43,891

\$

City of Appleton RFQ Log

Regulatory Upgrade and Process Improvement Project

Number	Date Initiated	Description	Comments	Status	Amount
047	4/15/15	UV Valve Position Control	Remote valve position control to assist with air venting from UV system. These controls will also be useful to assist with pump flow control when membranes are bypassed.	Accepted	\$ 22,878
			Change Order 7 Processed for RFQ 47. Total Cost = Add of \$22,878		
		TOTAL			\$ 86,675



**CONTRACT MODIFICATION**  
**CITY OF APPLETON, WISCONSIN**

☒ CHANGE ORDER

☐ WRITTEN AMENDMENT

MODIFICATION NO1: 006

TO CONTRACTOR: Staab Construction Corporation

PROJECT: Regulatory Upgrade and Process Improvement PROJECT NO: 468399

OWNER: City of Appleton

ENGINEER: CH2MHILL

The following modification(s) to the Contract are hereby ordered (use additional pages if required):

See RFQ Log attached. Includes RFQ 55.

Reason for Modification(s):

See RFQ 55, attached.

Attachments (List Supporting Documents):

RFQ 55, attached.

Contract Amount or Price		Contract Times (Calculate Days)	
Original	\$4,857,000	Original Duration	365 Days
Previous Contract		Previous Contract	
Modification(s)		Modification(s)	
(Add)	\$38,776	(Add)	180 Days
This Contract Modification		This Contract Modification	
(Add)	\$25,021	(Add/Deduct)	0 Days
Revised Contract Amount	\$4,920,797	Revised Contract Time	545 Days

The Revised Contract Completion Date is:

July 27, 2015

Owner	Contractor	Engineer Recommendation <sup>2</sup>
By: <u>[Signature]</u>	By: <u>[Signature]</u>	By: <u>Tony Myers</u>
Date: <u>5/7/15</u>	Date: <u>5/6/15</u>	Date: <u>05/07/2015</u>

<sup>1</sup> Number all Modifications consecutively.

<sup>2</sup> Recommendation necessary for Change Orders.

Copies: Owner



**CONTRACT MODIFICATION**  
**CITY OF APPLETON, WISCONSIN**

☒ CHANGE ORDER

☐ WRITTEN AMENDMENT

MODIFICATION NO1: 007

TO CONTRACTOR: Staab Construction Corporation

PROJECT: Regulatory Upgrade and Process Improvement PROJECT NO: 468399

OWNER: City of Appleton

ENGINEER: CH2MHILL

The following modification(s) to the Contract are hereby ordered (use additional pages if required):  
See RFQ Log attached. Includes RFQ 47.

Reason for Modification(s):  
See RFQ 47, attached.

Attachments (List Supporting Documents):  
RFQ 47, attached.

Contract Amount or Price		Contract Times (Calculate Days)	
Original	<u>\$4,857,000</u>	Original Duration	<u>365</u> Days
Previous Contract		Previous Contract	
Modification(s)		Modification(s)	
(Add)	<u>\$63,797</u>	(Add)	<u>180</u> Days
This Contract Modification		This Contract Modification	
(Add)	<u>\$22,878</u>	(Add/Deduct)	<u>0</u> Days
Revised Contract Amount	<u>\$4,943,675</u>	Revised Contract Time	<u>545</u> Days

The Revised Contract Completion Date is:

July 27, 20 15

Owner	Contractor	Engineer Recommendation <sup>2</sup>
By: <u>[Signature]</u>	By: <u>[Signature]</u>	By: <u>Tony Myers</u>
Date: <u>5/7/15</u>	Date: <u>5/6/15</u>	Date: <u>05/07/2015</u>

<sup>1</sup> Number all Modifications consecutively.

<sup>2</sup> Recommendation necessary for Change Orders.

Copies: Owner