

**CITY OF RIVERSIDE COUNCIL AGENDA  
RIVERSIDE CITY HALL COUNCIL CHAMBERS  
60 N GREENE STREET**

**Monday, December 19th, 2016 at 6:30 p.m.**

**6:30 PM – Regular City Council Meeting**

**NOTICE TO THE PUBLIC:**

**This is a meeting of the City Council to conduct the regular business of the City. Every item on the agenda is an item of discussion and action if needed.**

**CALL MEETING TO ORDER:** Mayor Schneider

- Pledge of Allegiance
- Roll Call

**APPROVAL OF AGENDA:**

**1. Approve Consent Agenda**

- 1a) Minutes from 12-05-16
- 1b) Expenditures 12-19-16
- 1c) Murphy's Liquor Permit

**2. Committee Reports:**

**3. Citizens Comments:**

*This time is for items NOT on the agenda. Please notify the City Clerk if you wish to comment on an agenda item and you will be recognized when that item comes up. When citizens are recognized to speak, please approach the podium, spell your first and last name before proceeding. Citizens should refrain from addressing individual Council Members and should not expect a response to any questions. Time is limited to 3 minutes.*

**4. MMS Consultants Update: (Some items may need action)**

- Safe Routes to School
  - Sidewalk width along Ash & Tupelo
  - Location of East West Section of Sidewalk
  - Delay Construction of Sidewalk into Future
- Drainage Ditch west side of Sewer Lagoons
- Cherry Lane Subdivision
  - Street Sign Visibility
  - Street Lighting
- New Shelter in Hall Park
- St. Mary's Water Main Project
- Pioneer Street Drainage Project

**5. Res #12192016-01 "Cornerstone – Chg Order #10 for Concrete around Drains" pg 7**

6. Res #12192016-02 “Cornerstone – Pay Request #7 for Ella Street Project” **pg 11**
7. PeopleService Monthly Report – Bill Stukekey **pg 16**
8. Fixed Base Meter Reading System **pg 22**
9. Res #12192016-03 Resolution to rescind Res # 08062012-01”Amending the Payout for Sick Leave for Current Employees” **pg 61**
10. Res #12192016-04 “Resolution appointing City Attorney” **pg 63**
11. Res #12192016-05 “Resolution appointing Official Newspaper” **pg 64**
12. Res #12192016-06 “Resolution Appointing Official Depositories” **pg 65**
13. Res #12192016-07 “Resolution Approving Wellmark Health Insurance Renewal Rates for plan year January 1, 2017 through December 31, 2017” **pg 66**
14. Res #12192016-08 “Resolution approving Delta Dental Insurance Renewal Rates for plan year January 1, 2017 through December 31, 2017” **pg 67**
15. Res #12192016-09 “Resolution approving Lincoln National Life Insurance Renewal Rates for plan year January 1, 2017 through December 31, 2017” **pg 68**
16. City Cell Phone – Move Bryan to Cell Phone Stipend
17. Ella Street Sidewalk Snow Removal
18. Barn Quilt Installation Update
19. Change council meeting date of January 2<sup>nd</sup> to January 3<sup>rd</sup>, 2016
20. Set the date for Budget Work Sessions in January for every Tuesday at 6:00 pm
21. Closing Comments
  - City Staff Comments
  - City Council Comments & Requests for Information
22. Adjourn Council Meeting

Approved: \_\_\_\_\_  
Allen Schneider, Mayor

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

RIVERSIDE CITY COUNCIL MEETING; DECEMBER 5, 2016

The Riverside City Council meeting opened at 6:35 pm in City Hall with Mayor Allen Schneider requesting roll call. Council members present were: Ralph Schnoebelen, Jeanine Redlinger, Bob Schneider Jr., and Tom Sexton. Rob Weber was absent.

Motion by Sexton to approve agenda. Second by Redlinger, passed 4-0.

Weber arrived at 6:37 pm.

Motion by Sexton to approve consent agenda, minutes, and expenditures. Second by Schneider, passed 5-0.

Committee Reports: Phil Richman, president of Visioning Committee reported that they continued to work on the Volunteer Program. The group requested that the council move forward with the installation of the Barn Quilt. Richman introduced Eagle Scout candidate Nathan Butler of Scout Troup 235. Butler asked for permission to make improvements to the City Trail. He will return in January with specific plans, locations, and time line of completion for spring 2017.

Katie Schneider, Riverside Ball Assoc. presented plans for the new storage shed and battling cages to council. Redlinger moved to accept plans for Hall Park improvements from the Ball Assoc. Second by Schnoebelen, passed 5-0.

Council discussed sick leave payout for past employees. They revisited information submitted by City Attorney Sueppel, State Auditor, Paul Greufe in reference to Resolution dated August 6, 2012, and the employee handbook. Weber moved to pay all Sick Leave as stated on Resolution #08062012-01, second by Schnoebelen. Schneider stated that all payments would be on the 2016 W2's. Motion failed 2-3. Redlinger, Schnoebelen, and Sexton opposed. Voiding of this resolution will be on the next agenda.

Sexton moved to table Fixed Based Meter decision till next meeting, due to absence of Propagation Study and final cost proposal. Second by Schneider, passed 5-0.

Sexton moved to table Drainage Ditch discussion until next meeting when MMS would be in attendance to explain maps, and answer council questions. Second by Weber, passed 5-0.

Bill Stuke, PeopleService, Inc. discussed needed system repairs with council. Schneider moved to proceed with Well Pump repairs with the estimate of \$5580.00. Second by Redlinger, passed 5-0.

Redlinger moved to replace Lift Station #1 VFD not to exceed \$7500.00, unless approved by Mayor. Second by Sexton, passed 5-0.

Sexton moved to pass Resolution #12052016-02 Waiving the Right to Review Pig Hill Flats Plat. Second by Schnoebelen, passed 5-0.

Schneider reported that he had talked to State DOT about speed signs on Hwy 22 through town. City will have to apply for a permit for approval. Staff will check on reprogramming lights that the City has.

Council Comments; Sexton asked staff to get quotes for installation of Barn Quilt on Fire Station and Hall Park red barn for a future agenda vote. Schnoebelen thanked City workers for the prompt removal of the heavy snow on Sunday.

Bob Yoder, Washington County Supervisor informed Council that County Attorney Showers has been assigned to the 8<sup>th</sup> Judicial District. Supervisors can appoint a new Attorney until the next November election, or they can call for Special Election next March.

Redlinger moved to adjourn meeting at 8:05 pm. Second by Schnoebelen, passed 5-0.

Full content of Council Meetings can be viewed on the City Web Site;  
[www.cityofriverviewiowa.com](http://www.cityofriverviewiowa.com)

City Council Work Session – Tuesday, December 13, 2016 at 6:00 pm.  
NEXT CITY COUNCIL MEETING – Monday, December 19, 2016 at 6:30 pm.

ATTEST:

\_\_\_\_\_  
Lory Young; City Clerk

\_\_\_\_\_  
Allen Schneider; Mayor

EXPENDITURES 12/19/16					
COUNCIL MEETING					
	UNPAID BILLS				
ARAMARK	CITY HALL	001-5-650-6310	\$	325.96	
ARAMARK	SHOP	001-5-210-6372	\$	415.90	
ARAMARK	STREETS	001-5-210-6181	\$	110.70	
ARAMARK	PARKS	001-5-430-6181	\$	110.70	\$ 963.26
ECICOG	ZONING	001-5-650-6499	\$	166.00	
ELDER SERVICES	CITY CONTRIBUTION	001-5-460-6150	\$	500.00	
ELDER SERVICES	CITIZEN'S PAID	001-5-460-6160	\$	461.50	\$ 961.50
FELD FIRE	TARPS	001-5-150-6356	\$	292.00	
IOWA 1 CALL	LOCATES	600-5-810-6507	\$	9.00	
IOWA 1 CALL	LOCATES	610-5-815-6507	\$	9.00	\$ 18.00
IOWA PRISON IND.	12- UPOST	110-5-210-6415	\$	274.56	
JOHNSON COUNTY REFUSE	DEC SERVICE	670-5-840-6499	\$	1,719.50	
KALONA AUTO PARTS	SHOP	001-5-430-6504	\$	127.17	
KALONA AUTO PARTS	RVFD	001-5-150-6310	\$	28.95	
KALONA GRAPHICS	ENV. & PERMIT FORMS	001-5-650-6506	\$	258.91	
KALONA NEWS	PUBLISH - NOV.	001-5-650-6402	\$	292.57	
KALONA OIL	FUEL	110-5-210-6331	\$	1,041.48	
KALONIAL TREE SERVICE	LIMB PICK-UP - NOV.	001-5-510-6320	\$	1,150.00	
KALONIAL TREE SERVICE	FALL TREATMENT OF PARKS	001-5-430-6320	\$	2,115.00	\$ 3,265.00
KOS EXCAVATING	DEMOLITION PIONEER ST	301-5-750-6788	\$	4,160.65	
LENZ, BRYAN	OSHA TRAINING	001-5-650-6240	\$	278.20	
MEARDON, SUEPPEL, DOWNER	NOV. LEGAL SERVICE	001-5-640-6411	\$	7,750.00	
MENARDS	PARKS	001-5-430-6325	\$	158.77	
MMS	NOV SERVICE	600-5-810-6407	\$	2,139.20	
MMS	ELLA TAP APPL.	301-5-750-6782	\$	29.75	
MMS	SWEETING DRAINAGE	600-5-810-6407	\$	278.00	
MMS	PIONEER - HWY22	301-5-750-6785	\$	3,435.00	\$ 5,881.95
MOSQUITO CONTROL	PARKS	001-5-430-6320	\$	600.00	
OFFICE EXPRESS	SIUPLY	001-5-650-6506	\$	309.73	
REC	SIGN	001-5-430-6371	\$	97.17	
REC	SEWER EXPENSE	610-5-815-6371	\$	3,456.07	
REC	SHOP	001-5-210-6371	\$	44.68	
REC	WATER PLANT	600-5-810-6371	\$	1,893.30	
REC	CASINO LIFT	610-5-815-6371	\$	168.76	
REC	TRAFIC LIGHT	001-5-230-6371	\$	149.37	\$ 5,809.35
RIVERSIDE HISTORY CENTER	4TH QTR GRANT	110-5-210-6331	\$	5,618.41	
RIVERSIDE TRAVEL MART	RVFD FUEL	001-5-150-6350	\$	263.46	
SCHNOEBELEN INC.	REPAIRS	110-5-210-6331	\$	409.35	
STANDARD PEST CONTROL	DEC SERVICE	001-5-650-6310	\$	40.00	
STUTSMANS INC.	STREETS	110-5-210-6331	\$	16.47	
THORN CREEK CONSTRUCTION	199 SCHNOEBELEN/SIDEWALK REPAIR	600-5-810-6499	\$	2,300.00	
USA BLUE BOOK	METAL DETECTOR	600-5-810-6504	\$	404.76	
USA BLUE BOOK	METAL DETECTOR	610-5-815-6504	\$	404.75	\$ 809.51
VISA	UNIFORMS	001-5-210-6181	\$	145.48	
VISA	UNIFORMS	001-5-430-6181	\$	145.48	\$ 290.96
VISA	USTREAM	001-5-650-6497	\$	99.00	
VISA	PARKS	001-5-430-6504	\$	16.75	
VISA	POSTAGE	001-5-650-6508	\$	6.45	
VISA	BINGO	001-5-650-6497	\$	18.31	
VISA	W.C. RECORDER	001-5-650-6401	\$	40.00	\$ 471.47
WILTON FIRE/EMS	RVFD TRAINING/E. SCHNOEBELEN	001-5-150-6354	\$	1,451.76	
WINDSTREAM	SEWER - NOV	610-5-815-6373	\$	241.23	
WINDSTREAM	WATER - NOV	600-5-810-6373	\$	209.21	
WINDSTREAM	SHOP - NOV	001-5-210-6373	\$	116.41	\$ 566.85
YOTTY'S	SHOP	001-5-210-6372	\$	8.00	
	TOTAL UNPAID BILLS		\$	46,312.83	
	PAID BILLS				
IPERS	CONTRIBUTIONS - 2016 NOV		\$	2,112.98	
IOWA DEPT OF REVENUE	IOWA WITHHOLDINGS - 2016 NOV		\$	361.00	
IOWA DEPT OF REVENUE	IOWA SALES TAX - 2016 NOV		\$	3,480.79	
PAYROLL	PAYCHECKS - 2016 NOV		\$	7,940.53	
IRS	941 TAX DEPOSIT - 2016 NOV		\$	2,367.50	
	TOTAL PAID BILLS		\$	16,262.80	
	TOTAL EXPENDITURES		\$	62,575.63	
	NOV. 2016 REVENUES & EXPENSES:	REVENUES	EXPENSES		
GENERAL FUND		\$ 14,044.23	\$ 42,433.15		
ROAD USE TAX FUND		\$ 11,077.72	\$ 8,051.58		
LOCAL OPTION SALES TAX		\$ 8,361.90	\$ -		
CASINO REVENUE RUND		\$ 39,591.08	\$ 875.00		
CAPITAL PROJECTS FUND		\$ -	\$ 199,476.42		
WATER FUND		\$ 35,551.31	\$ 21,819.15		
SEWER FUND		\$ 31,888.93	\$ 12,887.40		
GARBAGE/LANDFILL FUND		\$ 1,888.42	\$ 2,319.50		
STORM WATER FUND		\$ 1,479.37	\$ -		
TOTAL		\$ 143,862.96	\$ 287,862.20		

**Becky LaRoche**

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**From:** Licensing@IowaABD.com  
**Sent:** Friday, December 16, 2016 1:33 AM  
**To:** becky@cityofriversideiowa.com  
**Cc:** Licensing@IowaABD.com  
**Subject:** [POSSIBLE SPAM] Liquor License Pending Dram Shop

The following licensees have completed a renewal application and are awaiting dram certification:

License #	License Status	Business Name
LC0027526	Pending Dram Shop	Murphys Bar And Grill (71 East 1st Street Riverside Iowa, 52327-0000)

Please do not respond to this email. Contact the Division's Licensing Section with questions regarding the application process or application status toll-free at 866.iowaABD (866.469.2223) (select option 1), locally at 515.281.7400 (select option 1).

For assistance by email contact [Licensing@IowaABD.com](mailto:Licensing@IowaABD.com)

No virus found in this message.

Checked by AVG - [www.avg.com](http://www.avg.com)

Version: 2016.0.7924 / Virus Database: 4739/13598 - Release Date: 12/15/16

**Lory Young**

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**From:** Scott Pottorff <S.pottorff@mmsconsultants.net>  
**Sent:** Thursday, December 15, 2016 3:08 PM  
**To:** Lory Young  
**Cc:** g.meisner@mmsconsultants.net; jimz@cstoneinc.com  
**Subject:** Ella Street Pay Request #7 and Change Order #10  
**Attachments:** 2245012changeorder10.pdf; 2245012payrequest7.pdf; \_Certification\_.htm

Lory, we told you there would not be any change orders but we think this one should be sent through along with the pay request.

We will still have one more change order for extra work All American performed. We are still working with them to finalize that. We also will likely have a change order for manhole adjustments but want to get a little more clarification on that before we finalize that one as well.

Let me know if you have any questions.

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**MMS Consultants, Inc.**  
*Experts in Planning and Development Since 1975*

**Scott Pottorff, P.E.**

*Project Manager*

Office: (319) 351-8282

Mobile: (319) 631-0365

[S.pottorff@mmsconsultants.net](mailto:S.pottorff@mmsconsultants.net)

[www.mmsconsultants.net](http://www.mmsconsultants.net)

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**RESOLUTION #12192016-01**

**RESOLUTION APPROVING CHANGE ORDER #10 FOR THE ELLA STREET IMPROVEMENTS CONSTRUCTION PROJECT**

**Whereas**, the City of Riverside City at the recommendation of the City Engineering Firm, MMS Consultants, Scott Pottorff and it is the opinion of the City Engineering Firm that the City Council accept this change order in the amount of \$2,420.00.

**Therefore**, be it resolved the City of Riverside City Council does hereby accept the Change Order #10 for additional concrete around two drains located close to driveways, sidewalks and intakes to prevent erosion and to ensure the runoff was able to be captured by the drains as needed.

It was moved by Councilperson \_\_\_\_\_, seconded by Councilperson \_\_\_\_\_, to approve the foregoing resolution on December 19th, 2016.

Roll Call: Redlinger, Schneider, Sexton, Weber, Schnoebelen

Ayes:

Nays:

Absents:

**PASSED AND APPROVED** by City Council of Riverside, Iowa, on this 19<sup>th</sup> day of December, 2016.

Signed: \_\_\_\_\_

Allen Schneider, Mayor

Attest: \_\_\_\_\_

Lory Young, City Clerk





**MMS Consultants, Inc.**  
*Experts in Planning and Development Since 1975*

1917 S. Gilbert Street  
Iowa City, Iowa 52240  
**319.351.8282**

mmsconsultants.net  
mms@mmsconsultants.net

Environmental Specialists

Landscape Architects

Land Planners

Land Surveyors

Civil Engineers

December 15, 2016

2245-012

Ella Street Improvements  
**Change Order #10**

The following changes to the contract are requested to pay for concrete around beehive intakes

The contractor installed concrete around two beehive intakes at 311 Ella Street and 421 Ella Street. Attached are the cost breakdowns. The contract changes for the change in work are as follows:

**ADD ITEMS**

<u>Item</u>	<u>Est Quantity</u>	<u>Unit Price</u>	<u>Total Estimated Cost</u>
Concrete Around Area Drains	1 LS	\$2,420.00	<b>\$2,420.00</b>

Change to the Contract

This change order would add the above item to the contract and add \$2,420.00 to the contract amount.

Reason for changes

Since these two area drains were located close to driveways, sidewalks and intakes, it was decided to install concrete collars around these two area drains to prevent erosion and to ensure that the runoff was able to drain to and be captured by these area drains. Also included was adjustment of the rims of these intakes.

Approved by:

\_\_\_\_\_  
Cornerstone Excavating

\_\_\_\_\_  
City of Riverside

2245012changeorder10.docx



P. O. Box 928  
 Washington, IA 52353  
 (319) 653-3957  
 Fax: (319) 653-9067

**Change Request**

**To:** City of Riverside  
 60 N. Greene Street  
 Riverside, IA 52327

**Number:**  
**Date:** 12/12/2016  
**Job:** Ella Street Improvements Project  
**Job #:** WAS013

**Description:** Extra Work

We are pleased to offer the following specifications and pricing to make the following changes:

**Price Excludes:**

Description	Quantity	Unit	Unit Price	Price
<b>ADD TO CONTRACT</b>				
<b>All American Concrete</b>				
1 421 Ella Area Drain	1	LS	\$960.00	\$960.00
2 311 Ella Area Drain	1	LS	\$1,240.00	\$1,240.00
3 Time & Material Costs - Sidewalk revisions, extra curb & gutter, etc.	1	LS	\$22,324.50	\$22,324.50
<b>Total:</b>				\$24,524.50
10% Markup				\$2,452.45
<b>Total:</b>				\$26,976.95

**Submitted by:** Jim Zieglowsky  
 Cornerstone Excavating, Inc.

**Approved by:** \_\_\_\_\_

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

Main Office  
 319.627.2226 Phone  
 319.627.7235 Fax  
 office@aaconcreteinc.com



Estimating  
 319.627.2221 Phone  
 319.627.2227 Fax

1489 Highway 6  
 West Liberty, IA 52776

**Riverside Ella St - 421 Ella Area Drain**

No.	Description	Quantity	Unit	\$ Each	\$ Total
1	Grade & Install PCC	16	SF	\$ 35.00	\$ 560.00
2	Raise & Set Area Drain	1	LS	\$ 400.00	\$ 400.00
<b>Total</b>				<b>\$</b>	<b>960.00</b>

**Inclusions**

\*\*Mobilizations: Quote includes one mobilization to complete all concrete work, unless otherwise noted above. Additional mobilizations will be charged at \$300 each. This includes, but is not limited to, being asked to come back for pours requiring less than one full truckload of concrete.

**Exclusions**

Removals, traffic control, staking, testing, backfill

**Notes**

Main Office  
 319.627.2226 Phone  
 319.627.7235 Fax  
 office@aaconcreteinc.com



1489 Highway 6  
 West Liberty, IA 52776

Estimating  
 319.627.2221 Phone  
 319.627.2227 Fax

**Riverside Ella St - 311 Ella Area Drain**

No.	Description	Quantity	Unit	\$ Each	\$ Total
1	Grade & Install PCC	42	SF	\$ 20.00	\$ 840.00
2	Raise & Set Area Drain	1	LS	\$ 400.00	\$ 400.00
				<b>Total</b>	<b>\$ 1,240.00</b>

**Inclusions**

\*\*Mobilizations: Quote includes one mobilization to complete all concrete work, unless otherwise noted above. Additional mobilizations will be charged at \$300 each. This includes, but is not limited to, being asked to come back for pours requiring less than one full truckload of concrete.

**Exclusions**

Removals, traffic control, staking, testing, backfill

**Notes**

**RESOLUTION #12192016-02**

**RESOLUTION APPROVING PAY REQUEST #7 FROM CORNERSTONE EXCAVATING FOR ELLA STREET IMPROVEMENTS PROJECT**

**Whereas**, the City of Riverside City at the recommendation of the City Engineering Firm, MMS Consultants, Scott Pottorff and it is the opinion of the City Engineering Firm that the City Council accept this pay estimate from Cornerstone Excavating for work performed and billed on Pay Request #7 for the Ella Street Improvements Project.

**Therefore**, be it resolved the City of Riverside City Council does hereby approve this pay request to Cornerstone Excavating for the Ella Street Improvements Project in the amount of \$44,673.69.

**Moved by** Councilperson \_\_\_\_\_, seconded by Councilperson \_\_\_\_\_, to approve the foregoing resolution on December 19<sup>th</sup>, 2016.

Roll Call: Weber, Schneider, Sexton, Schnoebelen, Redlinger

Ayes:

Nays:

Absents:

Signed: \_\_\_\_\_  
Allen Schneider, Mayor

Attest: \_\_\_\_\_  
Lory Young, City Clerk

CONSTRUCTION PROGRESS PAYMENT

Project Description Ella Street Improvements PN: 2245012  
 Contract Date 16-Oct-15  
 Contractor: Cornerstone Excavating Owner: City of Riverside  
 Address: P.O. Box 928 Attn: \_\_\_\_\_  
 City, St., Zip: Washington, Iowa 52353 Address: 60 N. Greene Street  
 Phone: 319-653-3957 City, St., Zip: Riverside, IA 52327  
 Fax: 319-653-9067 Phone: 319-648-3501  
 Fax: \_\_\_\_\_

Estimate # 7 FOR PERIOD: Owner PN  
 Partial Payment FROM: 10/31/16 Federal PN  
 Final Payment TO: 12/9/16 State PN \_\_\_\_\_

Base Contract Price \$1,108,055.85

Change #	1	\$10,182.60
Change #	2	\$11,000.50
Change #	3	\$5,738.25
Change #	4	\$650.00
Change #	5	\$2,000.00
Change #	6	\$10,496.25
Change #	7	\$16,816.40
Change #	8	\$8,131.60
Change #	9	\$0.00

Total Contract \$1,173,071.45

Requested by: \_\_\_\_\_  
Jim Zieglofsky  
 Title: President  
 Date: \_\_\_\_\_

Recommended by: \_\_\_\_\_  
Scott Pottorff  
 Title: Project Engineer  
 Date: \_\_\_\_\_

Materials on Hand \$ -

Construction Completed \$1,202,727.87

Total Earned \$1,202,727.87

Less Retainage \$60,136.39

Less Previous Payment \$1,097,917.79

Amount Due This Est \$44,673.69

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

Attested by: \_\_\_\_\_  
 Title: \_\_\_\_\_  
 Date: \_\_\_\_\_

MMS Consultants, Inc.  
 1917 South Gilbert Street, Iowa City, IA 52240

i:\proj\forms\payreqst.xls

Ella Street Improvements

7

Pay Estimate No.:

Comerstone Excavating  
 Payable to: December 15, 2016  
 Date: December 9, 2016  
 Week Ending:

Item No.	Item Description	Units	Contract Quantity	Unit Price	Contract Amount	Quantity This Estimate	Amount This Estimate	To Date Quantity	To Date Amount
1	Traffic Control	LS	1	\$15,700.00	15,700.00	-	-	1.00	15,700.00
2	Mobilization	LS	1	\$72,500.00	72,500.00	-	-	1.00	72,500.00
3	Clearing and Grubbing	LS	1	\$15,000.00	15,000.00	-	-	1.00	15,000.00
4	Off Site Topsoil	CY	500	\$34.00	17,000.00	-	-	740.00	25,160.00
5	Class 10 Excavation, Import	CY	U.P.O.	\$15.00	-	-	-	-	-
6	Excavation, Class 13 ***	CY	2,070	\$10.95	22,666.50	-	-	2,070.00	22,666.50
7	Below Grade Excavation (Core Out)	CY	200	\$37.95	7,590.00	-	-	55.00	2,087.25
8	Subgrade Preparation	SY	6,038	\$1.80	10,868.40	-	-	6,038.00	10,868.40
9	Subbase, Modified, 6" Thick for Full Depth HMA *	SY	126	\$5.75	724.50	-	-	126.00	724.50
10	Subbase, Modified, 4" Thick for 6" PCC Sidewalk	SY	1,406	\$5.25	7,381.50	-	-	1,406.00	7,381.50
11	Subbase, Macadam Stone, 6" Thick ****	SY	0	\$6.75	-	-	-	104.00	702.00
12	Subbase, Class A Crushed Stone, 4" Thick ****	SY	0	\$4.50	-	-	-	-	-
13	Removal of Culverts	EA	22	\$250.00	5,500.00	-	-	22.00	5,500.00
14	Backfilling of Curbs	LF	3,486	\$2.00	6,972.00	-	-	3,436.00	6,872.00
15	Trench Foundation	TONS	50	\$1,737.50	868,750.00	-	-	-	-
16	Replacement of Unsuitable Backfill Material, Granular Backfill	CY	50	\$34.75	1,737.50	-	-	-	-
17	Granular Trench Backfill, Class A Roadstone, 6" Sanitary Main	LF	488	\$40.00	19,520.00	-	-	488.00	19,520.00
18	Granular Trench Backfill, Class A Roadstone, 12" Storm Sewer	LF	534	\$11.50	6,141.00	-	-	552.00	6,393.00
19	Granular Trench Backfill, Class A Roadstone, 15" Storm Sewer	LF	95	\$11.50	1,092.50	-	-	95.00	1,092.50
20	Granular Trench Backfill, Class A Roadstone, 18" Storm Sewer	LF	35	\$11.50	402.50	-	-	36.00	402.50
21	Granular Trench Backfill, Class A Roadstone, 24" Storm Sewer	LF	120	\$10.00	1,200.00	-	-	120.00	1,200.00
22	Granular Trench Backfill, Class A Roadstone, 6" Water Main	LF	40	\$16.75	670.00	-	-	40.00	670.00
23	Granular Trench Backfill, Class A Roadstone, 8" Water Main	LF	80	\$16.75	1,340.00	-	-	141.00	2,361.75
24	Sanitary Sewer Gravity Main, Trenched, PVC (SDR 26), 8" Dia.	LF	488	\$39.45	19,251.60	-	-	488.00	19,251.60
25	Remove Existing Sanitary Sewer	LF	488	\$10.00	4,880.00	-	-	488.00	4,880.00
26	Sanitary Sewer Existing Service Lateral Reconnection	EA	8	\$1,125.00	9,000.00	-	-	8.00	9,000.00
27	Storm Sewer, Trenched, RCP, 12" Dia.	LF	1,265	\$49.25	62,301.25	-	-	1,265.00	62,301.25
28	Storm Sewer, Trenched, RCP, 15" Dia.	LF	381	\$45.00	17,145.00	-	-	391.00	17,536.00
29	Storm Sewer, Trenched, RCP, 18" Dia.	LF	348	\$46.75	16,269.00	-	-	348.00	16,269.00
30	Storm Sewer, Trenched, RCP, 24" Dia.	LF	293	\$55.75	16,394.75	-	-	293.00	16,394.75
31	Removal of Storm Sewer	LF	289	\$12.50	3,612.50	-	-	217.00	2,712.50
32	Longitudinal Subdrain, Type 2, 4"	LF	699	\$8.45	5,895.55	-	-	540.00	4,566.00
33	Subdrain Cleanout, Type A-1 ***	EA	4	\$425.00	1,700.00	-	-	3.00	1,275.00
34	Subdrain Outlet, Connection to Structure	EA	3	\$225.00	675.00	-	-	3.00	675.00
35	Connect Existing Sump Pump Outlet to Storm Sewer or Subdrain, East Side	EA	2	\$500.00	1,000.00	-	-	3.00	1,500.00
36	Connect Existing Sump Pump Outlet to Intake or Subdrain, West Side	EA	2	\$750.00	1,500.00	-	-	5.00	3,750.00
37	Water Main, 6", PVC C900	LF	184	\$32.35	5,952.40	-	-	184.00	5,952.40
38	Water Main, 8", PVC C900	LF	733	\$35.00	25,655.00	-	-	733.00	25,655.00
39	Fire Hydrant Assembly	EA	1	\$4,050.00	4,050.00	-	-	1.00	4,050.00
40	Cut in 4"x4" Tee	EA	2	\$2,300.00	4,600.00	-	-	2.00	4,600.00
41	Cut in 8"x8" Tee	EA	2	\$3,000.00	6,000.00	-	-	2.00	6,000.00
42	Relocate Existing Fire Hydrant Assembly	EA	1	\$1,250.00	1,250.00	-	-	1.00	1,250.00
43	Water Service Stub, Main to Curb Stop Short, 1" Copper (Type K)	EA	3	\$1,375.00	4,125.00	-	-	3.00	4,125.00
44	Water Service Stub, Main to Curb Stop Long, 1" Copper (Type K)	EA	4	\$1,950.00	7,800.00	-	-	4.00	7,800.00
45	Remove Tee and Install Sleeve	EA	2	\$1,000.00	2,000.00	-	-	2.00	2,000.00
46	Remove Tee and Valve and Install Sleeve	EA	2	\$1,200.00	2,400.00	-	-	2.00	2,400.00
47	Remove Valve Box and Rod	EA	2	\$250.00	500.00	-	-	2.00	500.00
48	Gate Valve, 4"	EA	2	\$825.00	1,650.00	-	-	2.00	1,650.00

Item No.	Item Description	Units	Contract Quantity	Unit Price	Contract Amount	Quantity This Estimate	Amount This Estimate	To Date Quantity	To Date Amount
49	Gate Valve, 6"	EA	2	\$925.00	1,850.00	-	-	2.00	1,850.00
50	Gate Valve, 8"	EA	7	\$1,225.00	8,575.00	-	-	7.00	8,575.00
51	Sanitary Manhole, Type SW-301, 48" Dia	EA	2	\$3,400.00	6,800.00	-	-	2.00	6,800.00
52	Storm Manhole, Type SW-301, 48" Dia with SW-604 Type 3B Grate	EA	7	\$3,000.00	21,000.00	-	-	7.00	21,000.00
53	Storm Manhole, Type SW-301, 48" Dia with SW-604 Type 3B Grate	EA	2	\$3,000.00	6,000.00	-	-	4.00	12,000.00
54	Storm Intake, Type SW-501	EA	1	\$2,975.00	2,975.00	-	-	1.00	2,975.00
55	Storm Intake, Type SW-509	EA	6	\$4,725.00	28,350.00	-	-	6.00	28,350.00
56	Storm Intake, Type SW-512, 24"	EA	11	\$1,875.00	20,625.00	-	-	9.00	16,875.00
57	Storm Intake, Type SW-513, 48"x48"	EA	1	\$3,000.00	3,000.00	-	-	1.00	3,000.00
58	Storm Intake, Type SW-541 with SW-542 Extension	EA	4	\$7,000.00	28,000.00	-	-	4.00	28,000.00
59	Storm Intake, Type SW-545 (12')	EA	1	\$8,600.00	8,600.00	-	-	1.00	8,600.00
60	Storm Intake, Type SW-545 (14')	EA	4	\$8,600.00	34,400.00	-	-	4.00	34,400.00
61	Manhole Adjustment, Minor	EA	1	\$500.00	500.00	-	-	2.00	1,000.00
62	Connect to Existing Manhole	EA	1	\$1,500.00	1,500.00	-	-	-	-
63	Remove Existing Sanitary Manhole	EA	2	\$2,000.00	4,000.00	-	-	2.00	4,000.00
64	Remove Existing Storm Manhole or Intake **	EA	7	\$1,000.00	7,000.00	-	-	6.00	6,000.00
65	PCC Curb and Gutter, 24" Wide	LF	3,436	\$17.75	60,989.00	40.00	710.00	3,244.00	57,581.00
66	Granular Surfacing, Class A Crushed Stone	TONS	200	\$16.30	3,260.00	15.24	248.41	55.24	900.41
67	Removal of Pavement, Composite, Highway 22	SY	150	\$16.50	2,475.00	-	-	125.00	2,079.00
68	Composite Pavement, 3' HMA on 7" PCC, Highway 22	SY	150	\$105.00	15,750.00	-	-	125.00	13,250.00
69	HMA Base, 3/4" Mixture, 300K ESAL *	TONS	1,225	\$72.30	88,567.50	-	-	1,300.22	94,005.91
70	HMA Surface, 1/2" Mixture, 300K ESAL *	TONS	615	\$81.00	49,815.00	-	-	733.64	59,424.64
71	HMA Binder, PG 64-22	TONS	110	\$338.00	37,180.00	-	-	103.13	34,857.94
72	Removal of Sidewalk	SY	743	\$7.50	5,572.50	-	-	804.00	6,030.00
73	Removal of PCC Driveway ****	SY	267	\$7.50	2,002.50	-	-	267.00	2,002.50
74	Sidewalk, PCC, 5'	SY	420	\$85.45	35,889.00	3.00	256.35	469.00	40,076.06
75	Sidewalk, PCC, 6"	SY	1172	\$69.75	81,741.00	-	-	1,259.00	87,815.25
76	Detectable Warnings	SF	465	\$47.50	22,087.50	-	-	446.00	21,327.50
77	PCC Driveway, 6' ***	SY	341	\$69.75	23,784.75	-	-	545.00	38,013.75
78	Pavement Scarification	SY	500	\$14.45	7,225.00	-	-	-	-
79	Removal of PCC Curb and Gutter	LF	35	\$10.00	350.00	-	-	35.00	350.00
80	Bituminous Seal Coat	SY	623	\$6.20	5,108.60	876.45	7,166.89	876.45	7,166.89
81	Seeding, Fertilizing and Mulching, Permanent, Type, 1 ****	AC	0.0	\$3,600.00	-	-	-	-	-
82	SWPPP Management	LS	1	\$4,000.00	4,000.00	-	-	1.00	4,000.00
83	Silt Fence	LF	500	\$2.00	1,000.00	-	-	100.00	200.00
84	Removal of Silt Fence	LF	500	\$0.50	250.00	-	-	-	-
85	Inlet Protection Device	EA	27	\$50.00	1,350.00	-	-	27.00	1,350.00
86	Inlet Protection Device Maintenance	EA	27	\$25.00	675.00	-	-	27.00	675.00
87	Painted Pavement Markings, Waterborne or Solvent	STA	15.32	\$170.30	2,779.30	-	-	15.84	2,697.55
	<b>TOTAL CONTRACT</b>				<b>1,075,390.10</b>				<b>1,102,619.99</b>
C.O. #1	Unsize 48" Storm Manholes to 60"	EA	4,000	\$1,095.65	4,382.60	-	-	4.00	4,382.60
	Additional Tree Removal at 4th and Ellis Street	LS	1,000	\$2,850.00	2,850.00	-	-	1.00	2,850.00
	Additional Tree Removal (3 Evergreen Trees) cut down grade, [initial, downspout connection to ditch]	LS	1,000	\$2,950.00	2,950.00	-	-	1.00	2,950.00
	<b>TOTAL CHANGE C.O. #1</b>				<b>10,182.60</b>				<b>10,182.60</b>
C.O. #2	Pavement Removal Milling and Stockpile	SY	5,075,000	\$3.90	19,792.50	-	-	5,075.00	19,792.50
	6" Subbase - Placement of Millings	SY	5,075,000	\$2.25	11,418.75	-	-	5,075.00	11,418.75
	Import 6" Base Material [Millings Stockpile or Virgin Modified Subbase]	SY	1,778,000	\$5.75	10,223.50	-	-	1,778.00	10,223.50
	<b>TOTAL CHANGE C.O. #2</b>				<b>41,434.75</b>				<b>41,434.75</b>
C.O. #3	Water Main Additional Fittings and Bends	LS	1,000	\$5,738.25	5,738.25	-	-	1.00	5,738.25
	<b>TOTAL CHANGE C.O. #3</b>				<b>5,738.25</b>				<b>5,738.25</b>
C.O. #4	Grub Tree Stumps	LS	1,000	\$650.00	650.00	-	-	1.00	650.00
	<b>TOTAL CHANGE C.O. #4</b>				<b>650.00</b>				<b>650.00</b>
C.O. #5	Dura Silt Drain	LF	20,000	\$103.50	2,070.00	-	-	20.00	2,070.00
	3" HDPE Drain Tile	LF	96,000	\$25.25	2,424.00	-	-	36.00	909.00
	Connect to Storm Sewer	LS	1,000	\$600.00	600.00	-	-	1.00	600.00
	Remove and Reinstall Retaining Wall Blocks	LS	1,000	\$650.00	650.00	-	-	-	-
	<b>TOTAL CHANGE C.O. #5</b>				<b>4,124.00</b>				<b>3,478.00</b>
C.O. #7	[Sod]	AC/Reqd	2 of 3	\$19,166.40	19,166.40	1.16	22,235.02	1.16	22,235.02



Item No.	Item Description	Units	Contract Quantity	Unit Price	Contract Amount	Quantity This Estimate	Amount This Estimate	To Date Quantity	To Date Amount
	Subgrade Prep for Sod	LS	1,000	\$1,250.00	1,250.00	1.00	1,250.00	1.00	1,250.00
	TOTAL CHANGE C.O. #7				20,416.40		23,483.02		23,483.02
C.O. #8	Relocate Manhole, Extend Storm Sewer, Pour Leicdown Structure	LS	1,000	\$7,765.39	7,765.39	1.00	7,765.39	1.00	7,765.39
	Fill in Concrete Triangular Area	LS	1,000	\$666.21	666.21	1.00	666.21	1.00	666.21
	TOTAL CHANGE C.O. #8				8,131.60		8,131.60		8,131.60
C.O. #9	Subbase, Macadam Stone	TON	192.021	\$21.90	4,205.24	192.02	4,205.24	192.02	4,205.24
	Subbase, Class A Crushed Stone	TON	128.014	\$21.90	2,803.50	128.01	2,803.42	128.01	2,803.42
	TOTAL CHANGE C.O. #9				7,008.75		7,008.66		7,008.66
	TOTAL CONTRACT WITH CHANGE ORDERS				1,173,071.45		47,024.93		1,202,727.87

\* Quantity Change with Change Order #2  
 \*\* Quantity Change with Change Order #5  
 \*\*\* Quantity Change with Change Order #6  
 \*\*\*\* Quantity Change with Change Order #7  
 \*\*\*\*\* Quantity Change with Change Order #9

Pay Estimate #1  
 Pay Estimate #2  
 Pay Estimate #3

Retainage \_\_\_\_\_ 5% \$ 50,136.39

Total Value of Completed Work Less Retainage \$ 1,142,591.48

Previous Payments \$ 1,097,917.79  
 Current Payment Due \$ 44,673.69

\$ 137,636.14  
 \$ 292,834.37  
 \$ 170,071.75



Date: December 14, 2016

To: Riverside Council

From: Bill Stuke, Operator

O & M Report: November 2016

### **Water Operation & Maintenance**

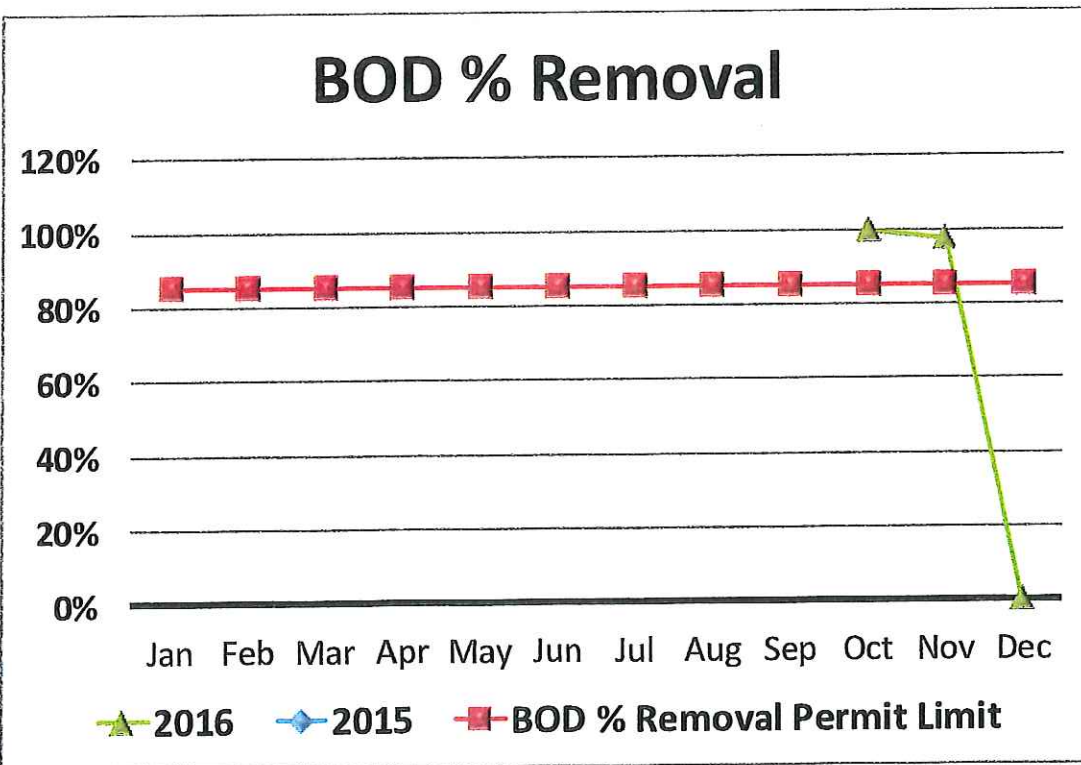
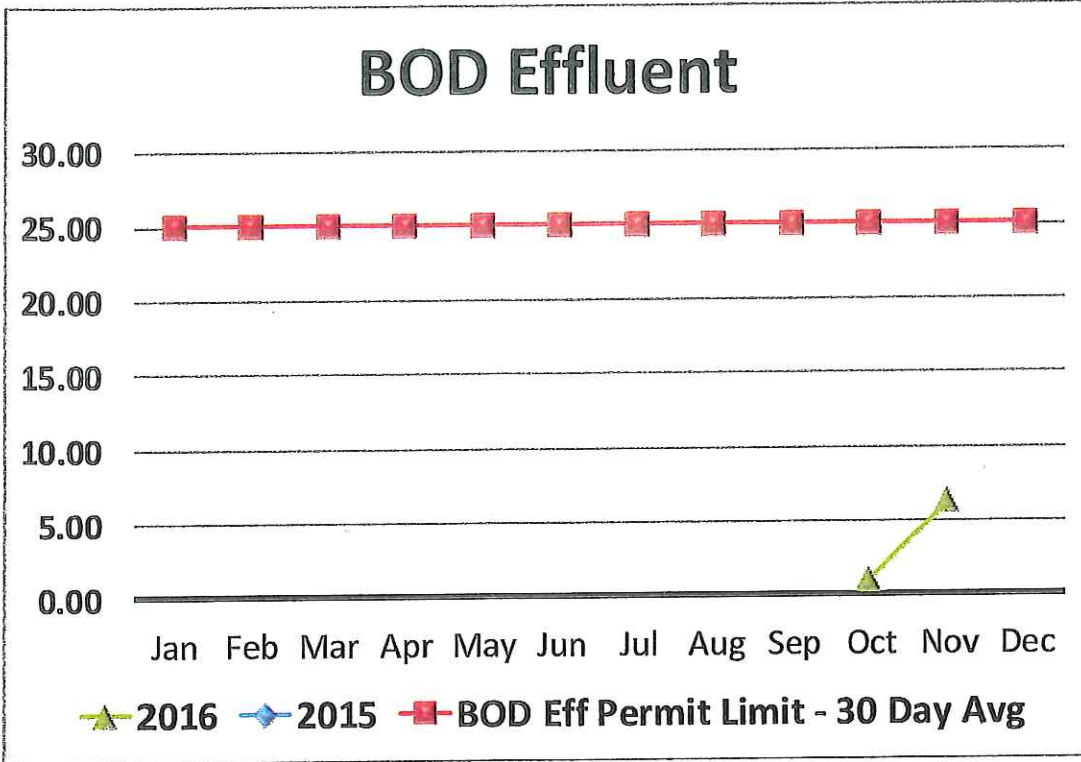
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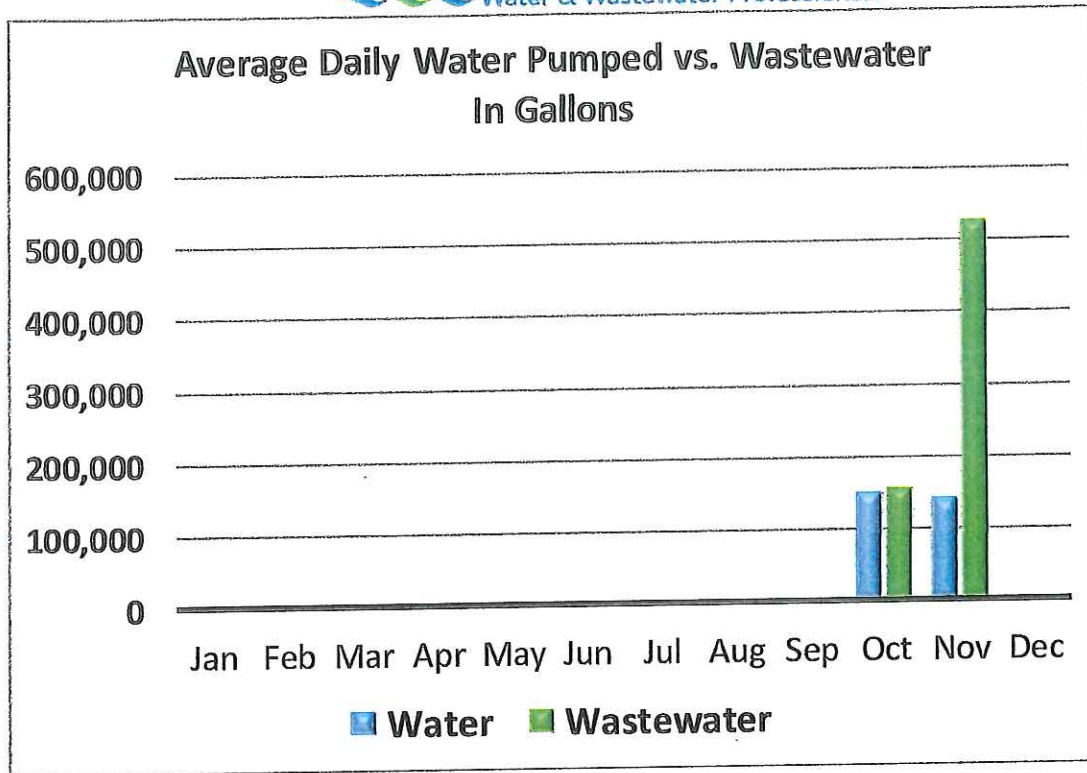
- Changed cartridge filters in water plant.
- Changed bag filters in water plant.
- Lowered 2 water valve boxes and 2 curb stops in sidewalk at Council's request. Curb stops and valve boxes were in middle of sidewalk about 4" above sidewalk grade.
- Cleaned out garage and organized.
- Built bench in garage at water plant.
- Received new metal detector.
- Ordered new battery for meter reading equipment. Old battery failed during meter reading.
- 3 city issued work orders were completed.
- 8 locates were done during the month.

### **Wastewater Operation & Maintenance**

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- Alarm at lift station 1, sewer backup at Bud's Custom Meats due to faulty check valve.
- Repaired cement in grit channel at wastewater plant.
- Took U.V. system off line and winterized.
- Met with Bob from Visu-Sewer to schedule a time and planning for lift station cleaning.
- Dennis has been stopping by once a week and we have continued training and working with Josh and Lucas.
- Flows were noticeably higher for November as there were some heavy rain events causing the numbers to be higher.





Contract True-Ups - Current Contract Year				
Item	Budgeted Amount	Amount Spent	% of Budget	% of Time
Chemical Budget	\$18,000.00	\$702.88	4%	22%
Maintenance Budget	\$15,000.00	\$533.66	4%	22%
<b>Total</b>	<b>\$33,000.00</b>	<b>\$1,236.54</b>	<b>4%</b>	<b>22%</b>



		November-16	October-16	November-15
<b>Water</b>				
	<b>Units</b>			
Total Monthly Pumped	gallons	4,197,000	4,537,000	0
Average Daily Pumped	gallons	139,900	146,000	0
Maximum Daily Pumped	gallons	493,000	493,000	0
Minimum Daily Pumped	gallons	0	0	0
<b>Chlorine</b>				
Chlorine - Total Avg Residual Plant	mg/L	2.29	1.14	0.00
Chlorine - Total Avg Residual System	mg/L	1.05	0.57	0.00
Chlorine - Recommended Residual System	mg/L	0.30	0.30	0.30
Chlorine used	lbs	168.00	123.00	0.00
<b>Iron</b>				
Iron - Avg Raw	mg/L	2.37	2.00	0.00
<b>Polyphosphate</b>				
Polyphosphate - Avg Residual	mg/L	2.65	1.94	0.00
Polyphosphate - Recommended Residual	mg/L	0.5 - 2.0	0.5 - 2.0	0.5 - 2.0
Polyphosphate used	lbs	10.00	18.50	0.00
<b>Water Loss</b>				
Water Billed	gallons	0	0	0
Water used in main breaks/hydrant flushing	gallons	0	0	0
Water used at city buildings	gallons	0	0	0
Loss	gallons	100%	100%	#DIV/0!
<b>Wastewater</b>				
<b>BOD</b>				
BOD Influent Avg	mg/L	249	223	0
BOD Effluent Avg	mg/L	6	1.0	0
BOD Eff Permit Limit - 30 Day Avg	mg/L	25	25	25
BOD % Removal	%	97.46%	99.55%	0.00%
BOD % Removal Permit Limit	%	85%	85%	85%
<b>TSS</b>				
TSS Influent Avg	mg/L	126	170	0
TSS Effluent Avg	mg/L	22	4	0
TSS Effluent Permit Limit - 30 Day Avg	mg/L	30	30	0
TSS % Removal	%	82.28%	97.49%	0.00%
TSS % Removal Permit Limit	%	85%	85%	85%
<b>Nitrogen Ammonia</b>				
NA Effluent Avg	mg/L	0	0	0
NA Effluent Permit Limit - 30 Day Avg	mg/L	8	10	0
<b>Influent Flow</b>				
Total Monthly	gallons	15,745,200	4,826,500	0
Average Daily	gallons	524,840	155,693	0
Maximum Daily	gallons	1,068,700	238,900	0
Minimum Daily	gallons	150,600	58,000	0
Permit Limit - 30 Day Avg	gallons	444,000	444,000	0
Permit Limit - Daily Maximum	gallons	1,425,000	1,425,000	0



**RIVERSIDE--NOVEMBER '16**

**Water Plant Maintenance**

<u>Date</u>	<u>Vendor List</u>	<u>Description</u>	<u>Total</u>
		<b>Total</b>	<b>\$0.00</b>

**Water System Maintenance**

<u>Date</u>	<u>Vendor List</u>	<u>Description</u>	<u>Total</u>
11/17/16	USA Bluebook	Digital Stirrer	\$186.39
11/21/16	Supplies	Supplies	\$14.88
11/28/16	USA Bluebook	Bag Filter	\$292.43
		<b>Total</b>	<b>\$493.70</b>

**Wastewater Plant Maintenance**

<u>Date</u>	<u>Vendor List</u>	<u>Description</u>	<u>Total</u>
		<b>Total</b>	<b>\$0.00</b>

**Wastewater System Maintenance**

<u>Date</u>	<u>Vendor List</u>	<u>Description</u>	<u>Total</u>
		<b>Total</b>	<b>\$0.00</b>

Water Plant Maintenance	\$0.00
Water System Maintenance	\$493.70
W/W Plant Maintenance	\$0.00
W/W System Maintenance	\$0.00
Month Total	<u>\$493.70</u>

**9 Month Maintenance Budget** **\$15,000.00**

**Total Maintenance Dollars Spent Year to Date** **\$533.66**

**Percent Maintenance Budget Spent Year to Date** **4%**



**RIVERSIDE - NOVEMBER '16**

**Water System Chemicals**

<u>Date</u>	<u>Vendor List</u>	<u>Description</u>	<u>Total</u>
11/7/16	Carus Corp	Bleach	\$484.00
11/7/16	Carus Corp	Poly	\$218.88
		<b>Total</b>	<b>\$702.88</b>

**Wastewater System Chemicals**

<u>Date</u>	<u>Vendor List</u>	<u>Description</u>	<u>Total</u>
		<b>Total</b>	<b>\$0.00</b>

Water System Chemicals	\$702.88
W/W System Chemicals	\$0.00
<b>Month Total</b>	<b>\$702.88</b>

<b>9 Month Chemical Budget</b>	<b>\$18,000.00</b>
<b>Total Chemical Dollars Spent Year to Date</b>	<b>\$702.88</b>
<b>Percent Chemical Budget Spent Year to Date</b>	<b>4%</b>

Maintenance Month Total	\$493.70
Chemical Month Total	\$702.88
<b>Month Total</b>	<b>\$1,196.58</b>

<b>9 Month Total Budget</b>	<b>\$33,000.00</b>
<b>Total Spent Year to Date</b>	<b>\$1,236.54</b>
<b>Percent Budget Spent Year to Date</b>	<b>4%</b>

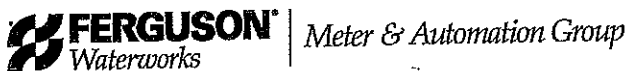


*Meter & Automation Group*

Highlights:

Partnership – Ferguson continues to add pieces to handle you as the customer, not pass you off to the manufacturer or a subcontractor. From bidding, to installing, to implementing your reading system; we are with you every step of the way making sure you receive the full and completed system you expect and desired.

- In house install team. Our employees, no subcontracting.
- In house IT & Software Support. No need to call manufacturer.
- Field support for ongoing training and warranty care. You are not left working with the manufacturer on issues or help.
- In house financing if you desire terms.



*Meter & Automation Group*

1694 91st Ave NE  
Blaine, MN 55449  
Phone: 763-560-5200  
Fax: 763- 560-1799  
Mobile: 515-419-5684

[bradley.klein@ferguson.com](mailto:bradley.klein@ferguson.com)

**Bradley Klein**  
AMR / AMI SPECIALIST





Additional Highlights:

Made in the USA – No other manufacturer is doing this

Brass Body with life time warranty (lead free)

20 year warranty (10 full/10 prorated) on integrated radio/register

Battery free register

Integrated register & radio – no wires

Removable register, no need to re-plumb a meter if faulty register

96 days of data logging – industry leader by approx 45 days

No field programming of parts or equipment

Migrate-able Technology – No stranding of assets



*Meter & Automation Group*

References:

Xenia RWD

Number of Services: 10,000

Gary Benjamin 515-676-2117

In Summer of 2016 Xenia RWD decided to uninstall 350 (+/-) Sensus FlexNet MXU Radios as the radios we having significant problems operating. In addition to the MXU Radio not working properly, the units needed their own reader just to operate; forcing the utility to manage 2 readers for 1 system. By removing the 350 units and installing Neptune R900 Radios they utility still managed 2 reading systems, but were now on a path to operating just 1 system. With our compatibility and migration path Xenia RWD will never need more than 1 radio reader, unless they choose to deploy a second unit for operation reasons. As of today Xenia RWD has installed approximately 2,000 Neptune MIU radios. In addition to replacing the Sensus MXU out, the utility has experiences several issues with the Sensus Iperl Radio and has since mandated the they be removed from service, replacing them with Neptune T10 Meter.

Emmetsburg, IA

Population: 3904; Number of Services: 1500

John Bird 712-852-4030

In 2015 Emmetsburg, IA selected the Neptune Meter line to replace their existing Sensus meters. Ferguson Waterworks was selected based on the radio read features of the Neptune water meters and the support and service provided for the Neptune system. Ferguson was selected to complete the installation of the project to fully realize the benefits of the radio read system.

Asbury, IA, 5290 Grand Meadow Drive, Suite 1

Population: 4170 Number of Services: 1100

Sara Burke 563-556-7106

In 2016 Asbury initiated a project to complete the installation of the radio read system. Ferguson Waterworks was selected to complete the installation of the remaining 600 meters. Ferguson was selected due to the turnkey operation of their installation division and the ability to complete the project in a short time frame with a guaranteed performance.

Corydon, IA

Population: 1585; Number of Services 750

Ann Stevens 64-872-1826

In July 2016 Corydon, IA requested pricing for providing and installing 750 new residential meters; replacing everything in town. Ferguson Waterworks was selected as the Supplier & Installer in August 2016. Ferguson was the only supplier that offered an integrated register radio, brass body meter, manufactured in USA, and the only supplier that actually owns their installation division. Ferguson Waterworks is currently setting up the appointments with the community and is scheduled to start the 2<sup>nd</sup> week of October.

Other Notable Iowa Utilities that have left Sensus recently:

Decorah, IA

Charles City, IA

Vinton, IA



# DeKalb halts installation of so-called “smart” water meters

## LOCAL GOVT & POLITICS

By [Mark Niesse](#) - The Atlanta Journal-Constitution

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MARK NIESSE DeKalb County residents protest high water bills outside the county government center on Tuesday, Oct. 11, 2016. From left: Hope Lusignan, Anita Connor; Judy Knight and Commissioner Nancy Jester hold signs calling for the county government to fix the problem. MARK NIESSE / MARK.NIESSE@AJC.COM

Posted: 6:27 p.m. Tuesday, Oct. 11, 2016

So-called "smart" water meters are malfunctioning across DeKalb County, leading to the high utility bills that prompted a heated town hall meeting last week and an emotional protest Tuesday.

The problem? These water meters can break when rainwater or other moisture gets in.

The DeKalb Commission voted 5-0 on Tuesday to suspend installation of the meters, made by Sensus, as the county reviews whether to fix the meters it has or contract with a different manufacturer. The commission also granted the county's finance director greater flexibility to reduce inexplicably high water bills.

Before Tuesday's meeting, several residents demanded a resolution, holding signs saying "Water rip-off" and "\$3,500 water bill? Shame."

"It's their fault and their incompetence," said Anita Connor, whose water bill for her condo jumped by about \$100 per month. "This is taking food out of people's mouths, literally. This is sending people to the food bank."

The county is in the middle of replacing 190,000 old water meters at a cost of roughly \$30 million. The new water meters are supposed to more accurately measure water usage and wirelessly transmit data hourly.

But smart meters manufactured before July 2014 can malfunction when water touches sensitive equipment, resulting in erratic readings. Of 70,000 smart meters installed, about 43,000 of them were made before July 2014, and 2,200 have already been replaced.

"Whether it's a reading high or low, what we know is that it's not reading accurately," said Interim DeKalb CEO Lee May. "I'm frustrated without end at this. I'm ticked off at our leadership in both water billing and watershed. I'm frustrated with the equipment we're using, and I've been really challenged with our customer service as well."

Wet meters aren't the only reason bills are skyrocketing.

The meters may not be connected, calibrated or read correctly, said DeKalb Commissioner Nancy Jester. Further, the computerized water billing system itself can introduce mistakes.

"We have to get all our problems solved before we install new meters," Jester said. "There are human errors, and errors where the meters themselves might be the problem. I've even seen meters running backward."

Commissioner Larry Johnson, who introduced the measure suspending installation of new meters, said residents lack faith that their bills are correct.

"They don't have a high level of confidence in the accuracy of the new meters. I share their concerns," he said.

When meters malfunction, the county and the public aren't being charged to replace them, May said.

The county government has created a team to work with upset customers who are fighting their bills, and May declared a moratorium on water disconnections for nonpayment of bills while residents are in the dispute process.

In addition, the county is starting an outside review process for residents who, after trying to work through their issues with the county, still believe their water charges aren't accurate. The details of that system may be announced as soon as next week.

Hope Lusignan, who held a sign saying "Lee May pay my water bill," said her bill was about \$40 monthly for two people in her house, but then it rose to \$194.

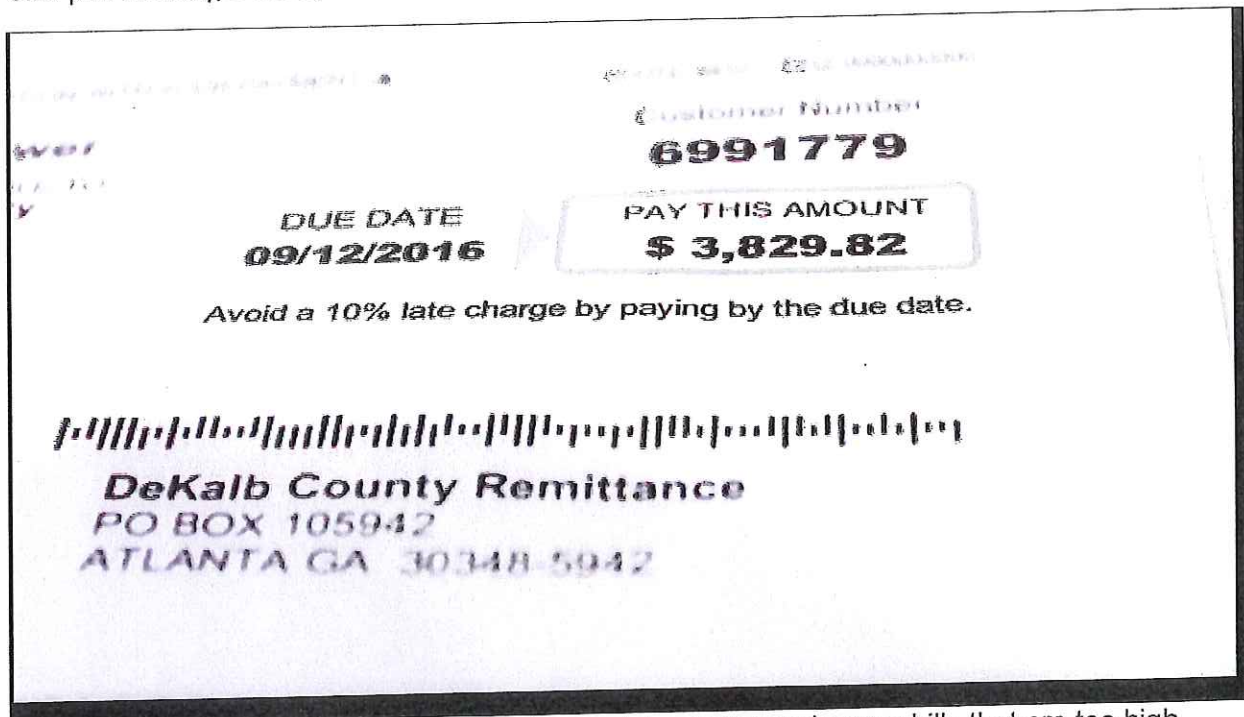
"This seems like extortion," she said. "There are people receiving bills of \$1,000, \$1,500 or \$3,500."

# How to dispute high water bills in DeKalb



- [Mark Niese](#)

The Atlanta Journal-Constitution  
5:15 p.m Monday, Oct. 10, 2016 [Metro Atlanta / State news](#)



Many DeKalb County residents say they're receiving water and sewer bills that are too high. DeKalb County recently created a customer service team to handle billing disputes. BOB ANDRES /[BANDRES@AJC.COM](mailto:BANDRES@AJC.COM)

Got an [expensive water bill](#) from DeKalb County? You're not alone.

Hundreds of [people are complaining](#) about water and sewer charges [they believe are too high](#).

Government officials say they're improving customer service so bills can be corrected when appropriate. Bills can drastically increase [for many reasons](#): malfunctioning water meters, meter reading mistakes, billing errors, increased water consumption and more.

Here's how you can **dispute your bill**:

1. Call the customer support line at 404-378-4475 from 7 a.m. to 7 p.m., Monday through Friday. Alternately, you can send an email to [dekalbwaterbillingfn@dekalbcountyga.gov](mailto:dekalbwaterbillingfn@dekalbcountyga.gov) or visit the Utility Customer Operations Center at 774 Jordan Lane, Ste. 200 in Decatur.
2. Once you ask to dispute your bill, your call will be transferred to a newly created Customer Assurance Team, which is designed to work through issues with customers.
3. Your water service won't be disconnected as long as you pay your average bill amount during the dispute process. The county will confirm through an email and a letter that your bill is in dispute. **A moratorium on water service disconnections** lasts at least until the end of the year.
4. Though you aren't at risk of losing water service, you will still receive disconnection warning letters, which are generated automatically. Those disconnection notices can be disregarded until the dispute is resolved.
5. A field technician will be dispatched within three days to investigate your water meter at no cost to the customer. Residents can meet the technician at their homes if desired to discuss their issues.



Upset crowd confronts DeKalb government over high water bills



6. The county will review the technician's findings and contact the customer to adjust the bill if necessary. Customers are responsible for paying the full cost of their actual water usage.

7. When customers aren't satisfied, their bills will receive an outside review. The county is still deciding the details of the third-party review process, which will be set up by the end of the year.

Read frequently asked questions about DeKalb's water discussion moratorium [by clicking here](#).

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## Despite high water bills, DeKalb officials cite improvements



- [Mark Niese](#)

The Atlanta Journal-Constitution  
10:19 a.m. Tuesday, Sept. 6, 2016 [Metro Atlanta / State news](#)

It may not be much consolation to [residents facing high water bills](#), but DeKalb County officials say they've significantly reduced billing and metering mistakes.

Out of 190,000 water customers in DeKalb, the number of errors that occurred when the government miscalculated a bill declined from 1,140 in the first half of 2014 to 468 in the first half of this year, according to county figures provided to [The Atlanta Journal-Constitution](#).

The number of errors caused by bad meter readings dropped from 858 in the first half of 2014 to 228 through June of this year.

Most of the time, residents' bills go up because they've increased their water consumption, especially during summer months when lawns need watering.

Customer water usage was the reason that bills rose 71 percent of the time, according to a 2014 county audit of bills that more than tripled. Water leaks and irrigation systems accounted for another 16 percent, and the county was responsible for billing spikes 13 percent of the time.

One of the solutions for [DeKalb's water billing problems](#) is to complete the installation of [more accurate digital water meters](#) that wirelessly transmit usage information. So far, about 20,000 of these smart meters have been put in place, and it will take four or five years for the rest to be installed.

The smart meters are expected to reduce mistakes because they'll record water usage hourly and remove the human element of reading older mechanical meters.

Once communities are switched over to the new meters, customers will start receiving bills monthly instead of bimonthly, which will enable residents and the government to find errors more quickly. In addition, the county's water billing system is continually being updated to reduce miscalculations.

DeKalb government customer service representatives [continue to receive about 32,000 calls per month](#). Requests to delay billing payments, make payments and set up new service are the most frequent reasons for calls. Average call wait times have decreased from more than 13 minutes two years ago to about two minutes so far this year.

[Please read more about DeKalb's water billing issues on MyAJC.com.](#)

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# DeKalb upgrades water meters to help fix billing issues

## LOCAL GOVT & POLITICS

By [Mark Niese](#) - The Atlanta Journal-Constitution

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Posted: 4:29 p.m. Thursday, Dec. 3, 2015

### *Highlights*

DeKalb plans to install 40,000 smart meters, called iPerl meters, annually over the next three or four years.

Confronted by residents' complaints about sharp increases in their water bills, DeKalb is speeding up plans to install water meters that will wirelessly transmit consumption information from every household in the county.

The new meters will prevent inaccuracies that come when government employees physically examine most of DeKalb's 180,000 residential meters every other month.

The smart meters are the centerpiece of the county's effort to reduce the number of homeowners who receive unexpectedly high bills, in some cases exceeding \$1,000. DeKalb officials outlined their strategy during a presentation to the county commission Tuesday.

Once the meters are installed, the county will be able to remotely view water flows to individual residences, and customers will be billed monthly instead of every other month. A \$4 fee to pay bills online will be eliminated as well when DeKalb switches to a new water billing website next year.

"This will help us because with more accurate meters, we'll know the water usage," said DeKalb Department of Watershed Management Director Scott Towler. "It's fairer. If one person is cheating the system and another is not, we're all paying for it."



MARK NIESSE

DeKalb Director of Watershed Management Scott Towler shows the county's new smart water meters on Dec. 1. These meters will be ... [Read More](#)

DeKalb plans to install 40,000 smart meters, called iPerl meters, annually over the next three or four years until all of the county's customers have one. Previously, DeKalb had been installing 12,000 new meters per year. Only about 20,000 residents currently have the wireless meters.

The county approved a \$6 million contract last month for meters and parts, and the water meter replacement program's total cost is about \$30 million.

Besides better measuring water usage, the county also will work to improve customer service, said Antrameka Knight, who oversees DeKalb's water billing.

### *Related*

- [DeKalb homeowners seek answers for giant water bills](#)
- [DeKalb sewer project enters critical stage](#)
- [Major construction begins at DeKalb's main water treatment plant](#)
- [More DeKalb coverage](#)

Field service teams will work more closely with customer service representatives to help resolve problems, and representatives will go through a refresher training course, she said.

"Does that include how to be nice to people?" asked Commissioner Kathie Gannon.  
"We still have some very visible, very loud people who feel like they aren't being heard."

Knight said a significant part of training will focus on customer interactions and other soft skills.

Most spikes in bills are caused by customers' increased water usage, according to audits last year and this year. Lawn sprinklers in particular can cause bills to rise significantly.

DeKalb was culpable for dramatic bill increases 13 percent of the time for reasons including meter reading errors, meter malfunctions and stopped meters, said last year's audit.

DeKalb's goal for next year is to have less than 10 percent of billing problems attributed to the county, Knight said.

## Sensus iPerl Warranty Issues

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11 December 2015

# Smart water meters: Tinley's plan to loan replace faulty units

**In the US, the village of Tinley Park in Illinois has announced its US\$6.5 million plan to replace controversial smart water meters installed in resident's homes in a previous AMI project.**

According to a local sources, the decision follows several incidents of residents being overcharged of their monthly bills due to malfunctioning of the meters were reported.

Under the proposal, Tinley Park said it will borrow US\$6.5 million to replace some 18,263 smart water meters as well as cover related expenses.

The project costing about US\$396,000 a year is estimated will take 18 to 24 months to replace all the meters

Chicago Tribune reported that the smart water meters Tinley will replace supplied by Severn Trent and Elster with the Sensus iPerl are currently being installed in at least 10 other suburbs to replace traditional mechanical meters.

Commenting on the proposal, Water Superintendent Tom Kopanski said "The new meters will provide "a high level of accuracy" for their "entire expected life" and "across all flow ranges,"

Mr Kopanski added that the new meters will include more data and will allow customers to go online and download their consumption history — with hourly figures available for the previous 30 days.

The more robust data will allow residents to be contacted quickly if the information suggests a leak in their pipes.

## Smart water meters in the US

The proposal follows early September's announcement by Glenview municipal water authority securing of a deal with Sensus for replacement of smart water meters that were registering false readings.

The village in the suburb of Chicago, approved an offer from Sensus to replace 1,500 iPerl smart water meters installed between 2012 and 30 July, 2015, as well as swapping the water authority's pre-existing stock of water meters, reported Metering & Smart Energy International.

Under the deal, Sensus will also verify that all new meters were manufactured in 2015, and extend its warranty from 10 years to 15 years.

The deal followed an admission from Sensus that manufacturing problems in 2014 had resulted in the iPerl smart water meters making false readings in July 2015.

Another suburb of Chicago - Aurora - reported in February 2015, strange fluctuations in readings by eight meters that had been pulled from homes for reasons unrelated to overbilling.

[HTTP://WWW.METERING.COM/SENSUS-REISSUES-IPERL-SMART-WATER-METERS-TO-CHICAGO-SUBURB/](http://www.metering.com/sensus-reissues-iperl-smart-water-meters-to-chicago-suburb/)



AMI & Smart Metering

10 SEPTEMBER 2015

## Sensus reissues iPerl smart water meters to Chicago suburb

**In the US, a municipal water authority in Illinois state has secured a deal with Sensus to replace smart water meters that were registering false readings.**

The village of Glenview, a suburb of Chicago, last week approved an offer from Sensus to replace 1,500 iPerl smart water meters installed between 2012 and 30 July, 2015, as well as swapping the water authority's pre-existing stock of water meters, reported local media.

Sensus will also verify that all new meters were manufactured in 2015, and extend its warranty from 10 years to 15 years, local officials said.

### Smart water meter manufacturing

The deal follows an admission from Sensus that manufacturing problems in 2014 had resulted in the iPerl smart water meters making false readings in July 2015.



Another suburb of Chicago - Aurora - reported in February 2015, strange fluctuations in readings by eight meters that had been pulled from homes for reasons unrelated to overbilling.

Ray Hull, the suburb's water superintendent, said the unhooked meters showed strange readings: three spinning forward, three spinning backward and two whose patterns couldn't be determined, stated the newspaper report.

Sensus officials reportedly told officials from the neighbouring suburbs of Buffalo Grove and Palatine, which also are installing new wireless water meter systems, that the problem had been water infiltrating the meters during manufacturing, but that the manufacturing process had been changed since 2014.

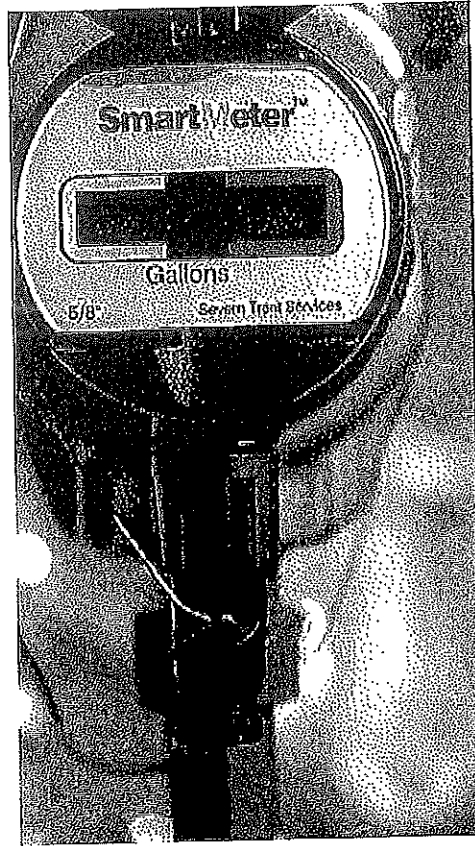
Mike McGann, vice president of quality for Raleigh-based Sensus USA, told trustees at the beginning of the month that the company has strengthened both the iPerl smart water meters' watertight seal and statistical and manufacturing controls.

Mr McGann said: "From the 'root cause' analysis we've done, we're very confident that it was the seals."

In another saving for the village of Glenview, the meter distributor HD Supply Waterworks has said it will waive the fee for the first year's software-as-a-service, a saving of US\$29,250.

News

# Another suburb reports problems with digital water meters



A smart meter in the Tinley Park home of Bob Soga, a former Tinley Park employee. (Zbigniew Bzdak, Chicago Tribune)

By **Joe Mahr, Lauren Zumbach and Gregory Pratt** · Contact Reporters  
Chicago Tribune

JULY 25, 2015, 5:39 AM

**A**s one Chicago suburb struggles to cope with chronic overcharging by its "smart" digital water meters, another is ramping up random testing after finding that some of its meters claimed usage when not even hooked up.

The revelations in west suburban Aurora open a new front in questions over the accuracy of next-generation water meters at a time when they're gaining popularity across Chicagoland and the country, and in a state that does little to ensure most water meters installed in homes are accurate.

Aurora officials stressed that the problems were tied to fewer than 10 meters out of thousands, and the manufacturer has reported fixing the problem in newer meters. But the suburb said it was concerned enough to boost random testing of the digital meters while also preparing to ask the manufacturer to either replace a suspect batch of digital meters or provide equipment to more closely monitor their

readings.

A Tribune investigation, published in June, uncovered widespread problems in the southwest suburb of Tinley Park, where a different brand of digital meter had hundreds of cases of overbilling, with thousands more meter failures unexplained. The suburb's Public Works director has resigned amid questions over his handling of the issue, and its elected leaders are seeking an outside review.

The problems come as water departments across the country move to meters that use electronics. The older meters use mechanical parts that wear down over time and can undercharge residents, while the digital meters are touted as being accurate for life — allowing cash-strapped localities to bill for every drop of water used.

Aurora has installed 9,000 digital meters since 2014, covering about a fifth of the suburb. About a third of the digital meters belong to a batch that produced almost all the problem meters.

The problems began in February, when workers began noticing strange fluctuations in readings by meters that had been pulled from homes. Ray Hull, the suburb's water superintendent, placed an unhooked meter on his desk for days and, every morning, saw its readings had moved, according to emails provided to the Tribune under the state's open records law.

Other digital meters in the office had readings that also kept changing — even though they too were not hooked up to any water.

"They were on a shelf ... until Friday. On Friday, they were put into a box and left there until (Monday)," he wrote to a colleague.

They were among eight unhooked meters showing strange readings: three spinning forward, three spinning backward and two whose patterns couldn't be determined. Two months later, village workers found another meter, hooked up in a home, that inexplicably bounced back-and-forth between display numbers.

Officials said the first eight meters had been pulled from homes for issues unrelated to potential overbilling, and they checked the usage data reported by the meters to ensure they hadn't overbilled. But they said they were so concerned about the meters' strange behavior that they asked the manufacturer, Sensus, what went wrong. Records show that Sensus determined water had gotten into the meters' electronics in ways the manufacturer hadn't before realized.

A national industry expert, Tom Kelly, told the Tribune that that's the key danger to electronic meters: "Once you get water inside the electronics of these meters, all bets are off. It can do just about anything."

Sensus, based in North Carolina, declined to elaborate on the problem with the Tribune. It told the suburb that it had beefed up waterproofing in newer batches — 6,000 of which went to Aurora, records show. City officials said the ninth suspect meter came from that batch, and it's still being tested to determine what went wrong.

Kelly, who heads the industry's committee on meter standards, said the small number of suspect meters in Aurora doesn't signal a major problem there, although he said it should prompt greater oversight of the meters.

Aurora has begun a testing program to measure the accuracy of 2 percent of new meters before they're installed and an additional 300 meters taken out of service every year. Officials said they're considering increasing that rate even more in light of the problems discovered. Of 18 recent tests provided to the Tribune, no meter failed national standards, although roughly a quarter of them showed that the meter at times overbilled by 1.5 percent — the maximum allowed under the standards.

"The goal is that Aurora residents would have confidence that the water they're bringing in would be charged appropriately. So any variation to that causes concern," said the city's chief management officer, Carrie Anne Ergo.

The city is not required by law to test the meters because it is a government body. Illinois regulators require only privately run utilities to test water meters, typically testing each meter once every 10 years. ComEd is also required to test its digital electric meters periodically.

A Tribune survey of other suburbs using digital meters found that the brand used by Aurora — called iPerl — is the most popular and is deployed in varying degrees in Berwyn, Burr Ridge, Des Plaines, Glenview, Hinsdale and Lisle. None of those suburbs reported doing independent random tests to ensure the meters are accurate, instead citing manufacturer testing that Kelly said isn't robust enough for his Maryland utility to rely upon.

"The only way for you to know how your meters are working is for you to test them," Kelly said.

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*An earlier online version of this story was accompanied by a photograph depicting a smart electricity meter, not a smart water meter.*

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**This article is related to:** Aurora

Lory Young

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**From:** Bradley.Klein@Ferguson.com  
**Sent:** Friday, December 16, 2016 9:33 AM  
**To:** lory@cityofriversideiowa.com  
**Subject:** Bid# B077713  
**Attachments:** M022549517.pdf; Riverside, IA 161209 R900 - FN Propagation Analysis - Approval Required ....pptx; \_Certification\_.txt

Lory,

Attached is what I will consider my best and final quote.

Notes:

I was able to reduce collectors to 2

I changed my install to move the radio outside the house for best connectivity I was able to lower my meter price My over all bid price reduced almost \$25k

Thanks!

Bradley C. Klein  
AMR/AMI Specialist  
Ferguson Waterworks  
C: 515-419-5684  
[bradley.klein@ferguson.com](mailto:bradley.klein@ferguson.com)  
[www.ferguson.com](http://www.ferguson.com)

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No virus found in this message.

Checked by AVG - [www.avg.com](http://www.avg.com)

Version: 2016.0.7924 / Virus Database: 4739/13598 - Release Date: 12/15/16



FERGUSON WATERWORKS #2516  
 1917 1ST AVE N  
 FARGO, ND 58102-4118

Phone: 701-293-5511  
 Fax: 701-232-8129

Deliver To: From: Bradley Klein Comments:
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10:26:23 DEC 16 2016

FERGUSON WATERWORKS #2516  
 Price Quotation  
 Phone: 701-293-5511  
 Fax: 701-232-8129

Bid No: B077713  
 Bid Date: 12/16/16  
 Quoted By: BCK

Cust Phone: 815-756-2800  
 Terms: NET 10TH PROX

Customer: DEKALB FORMAL QUOTE  
 1720 STATE ST  
 DEKALB, IL 60115-2617

Ship To: DEKALB FORMAL QUOTE  
 1720 STATE ST  
 DEKALB, IL 60115-2617

Cust PO#: RIVERSIDE, IA

Job Name: FIXED BASE QUOTE

Item	Description	Quantity	Net Price	UM	Total
	RIVERSIDE IOWA 2017 METER PROGRAM FIXED BASE OPTION				
NED2B11RDG3	RESIDENTIAL METERS LF 5/8X3/4 T10 MTR V4 R900I USG	505	215.000	EA	108575.00
N13302000	WALK BY READER R900 BELT CLIP TRANSCEIVER FWW WILL INCLUDE A TABLET	1	3000.000	EA	3000.00
SP-N13458100	FIXED BASE ITEMS R900 GATEWAY V4 ETHERNET INCLUDES: RF ANTENNA 150W SOLAR PANEL ASSEMBLY MOUNTING ACCESSORIES ADDITIONAL CABLEING	2	18500.000	EA	37000.00
SP-NSIGHTHOST SP-N12953002	HOSTING & TRAINING NSIGHT R900 HOSTING BY NEPTUNE N SIGHT R450 IMPLEMENTATION TRAIN	1 1	11500.000 6000.000	EA EA	11500.00 6000.00
NWWSWMIL	INSTALLATION WATER METER INSTALLATION LABOR	505	110.000	EA	55550.00
<b>Net Total:</b>					\$221625.00
<b>Tax:</b>					\$0.00
<b>Freight:</b>					\$0.00
<b>Total:</b>					\$221625.00



FERGUSON WATERWORKS #2516  
Price Quotation

Fax: 701-232-8129

10:26:23 DEC 16 2016

Reference No: B077713

Quoted prices are based upon receipt of the total quantity for immediate shipment (48 hours). SHIPMENTS BEYOND 48 HOURS SHALL BE AT THE PRICE IN EFFECT AT TIME OF SHIPMENT UNLESS NOTED OTHERWISE. Seller not responsible for delays, lack of product or increase of pricing due to causes beyond our control, and/or based upon Local, State and Federal laws governing type of products that can be sold or put into commerce. This quote is offered contingent upon the buyer's acceptance of Seller's terms and conditions, which are incorporated by reference and found either following this document, or on the web at [http://wolselena.com/terms\\_conditionsSale.html](http://wolselena.com/terms_conditionsSale.html).  
Govt Buyers: All items are open market unless noted otherwise.

LEAD LAW WARNING: It is illegal to install products that are not "lead free" in accordance with US Federal or other applicable law in potable water systems anticipated for human consumption. Products with \*NP in the description are NOT lead free and can only be installed in non-potable applications. Buyer is solely responsible for product selection.





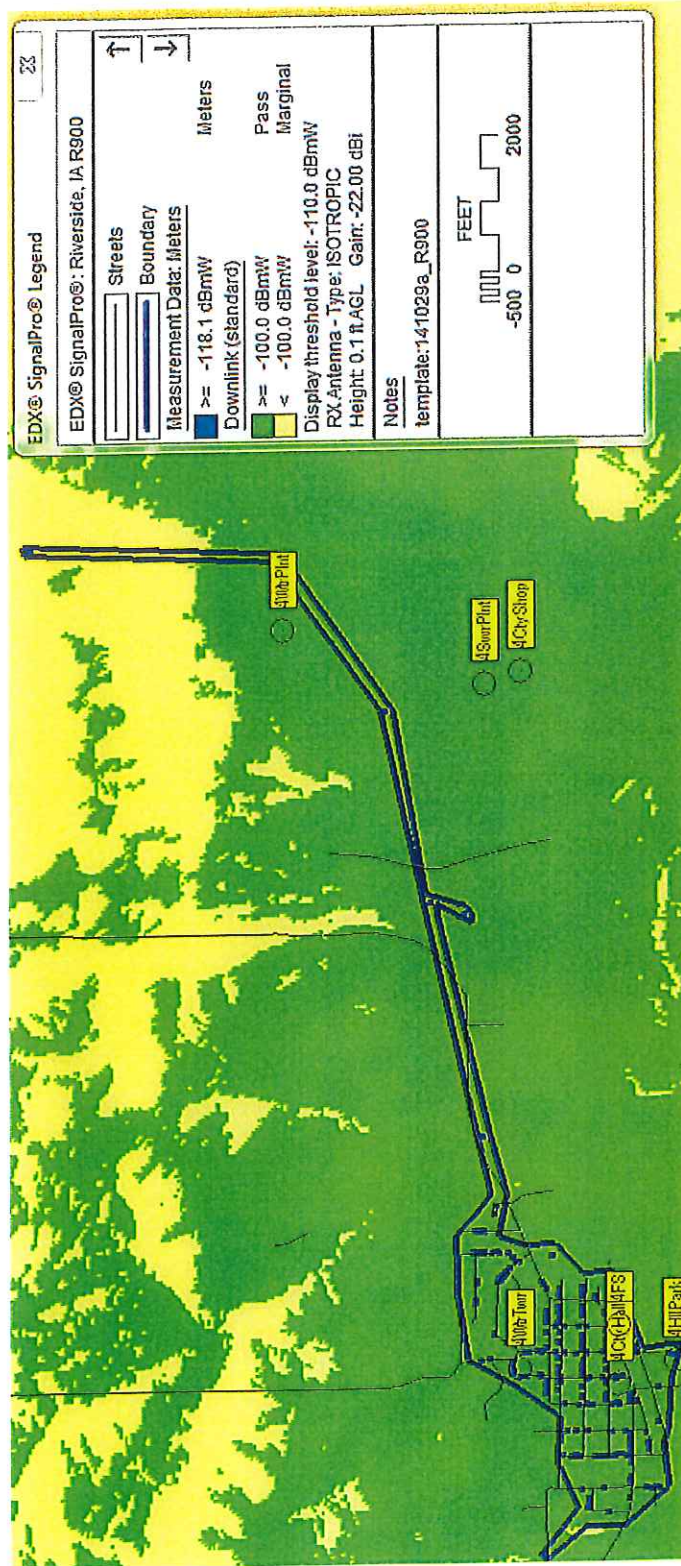
**Take Control.**

**ARB<sup>®</sup> FixedBase<sup>™</sup> R900**  
**Propagation Analysis**  
**Riverside, IA**

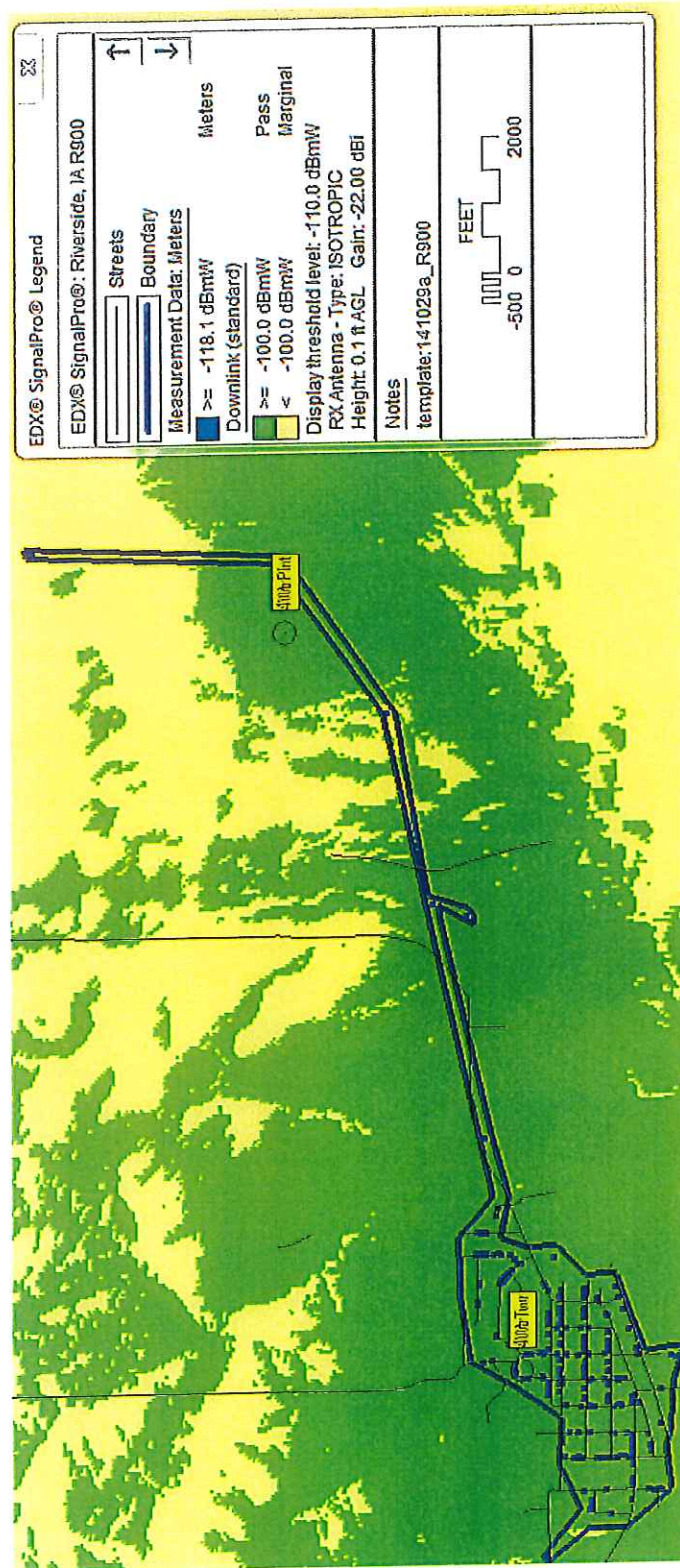
**Scope:**

- 510 meters in the service area
  - Geocoding: 457 (89.6%) matched
- Service boundary is approximately 0.31 sq. miles
- MIU used for evaluation.
  - Enhanced R900v4 Wall MIU External
  - Enhanced R900v4 Wall/R900i MIU Inside
- Assets provided for Gateways.

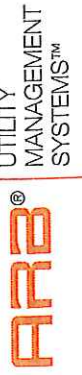
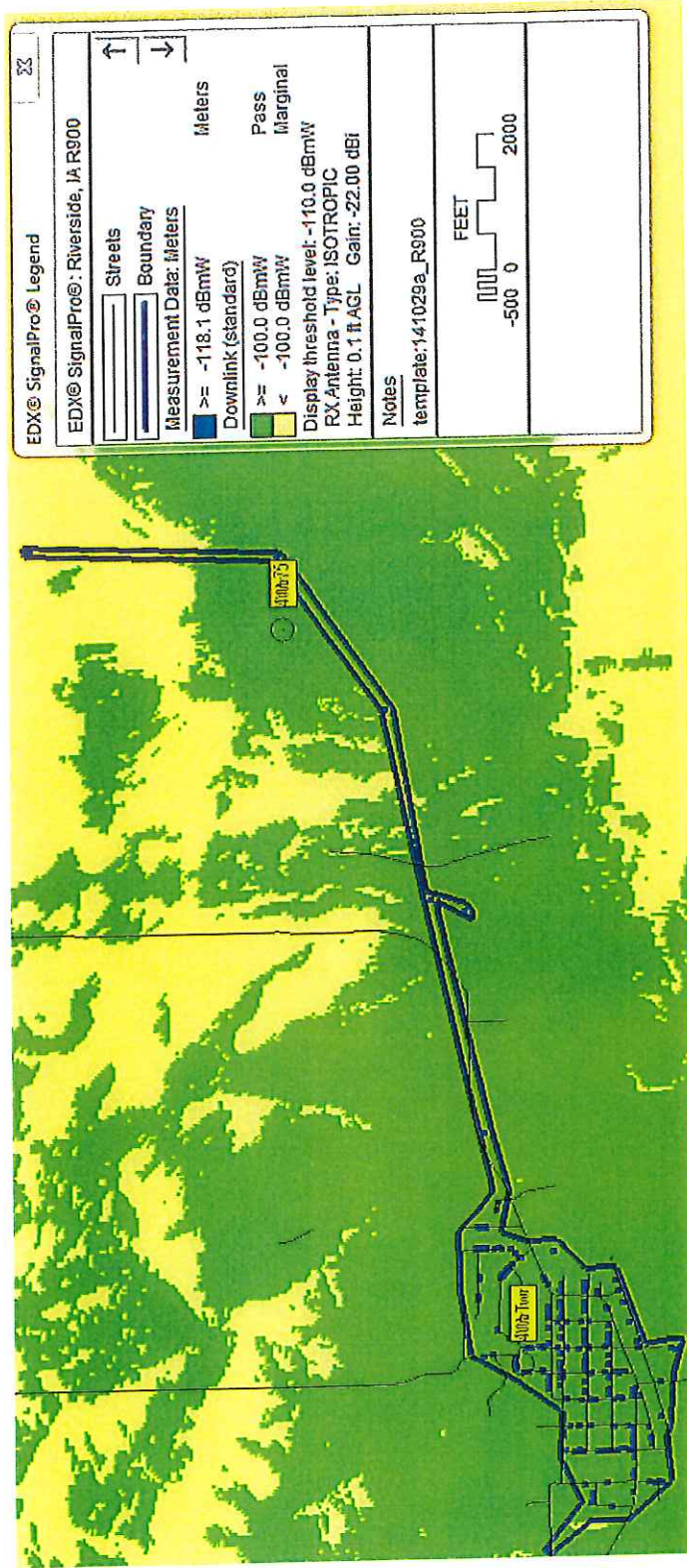
# Map 1: Provided Assets - inside



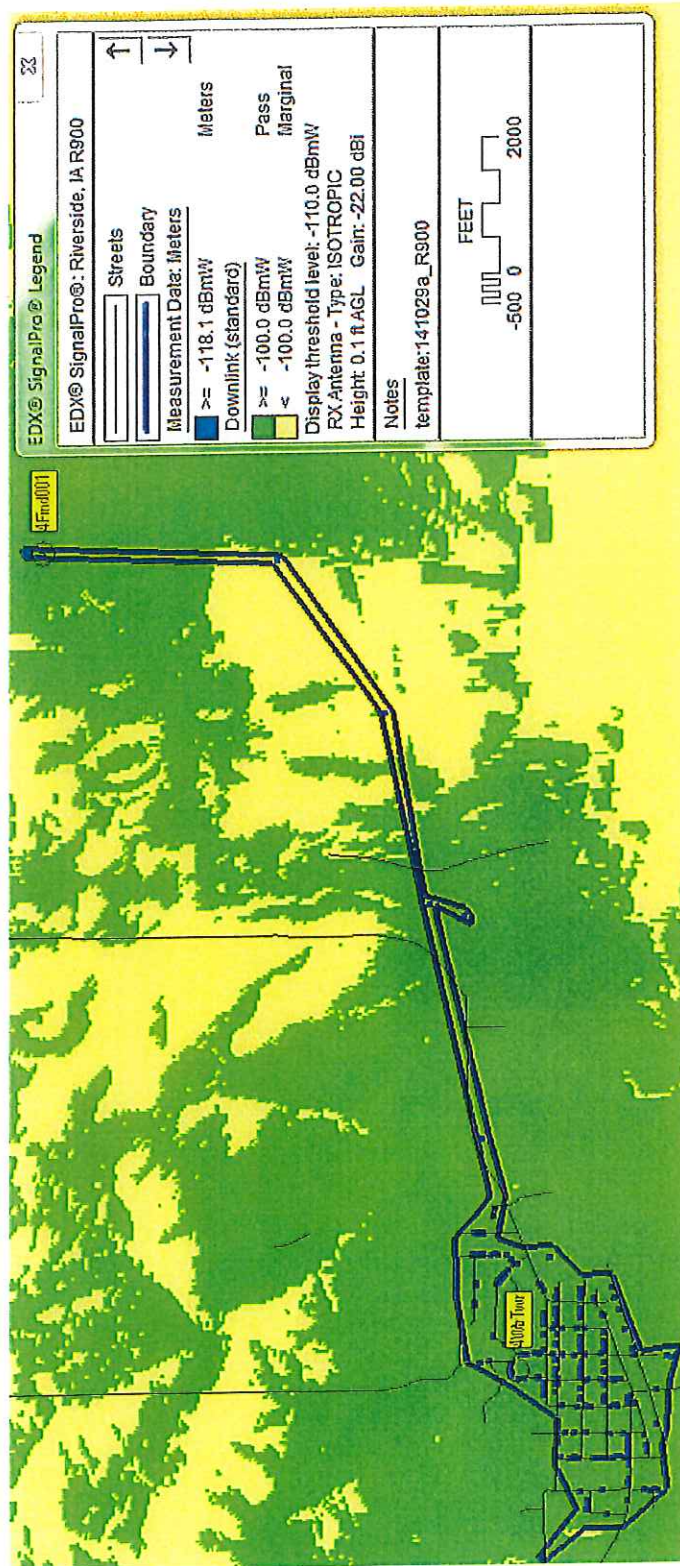
# Map 2: Best Provided - inside



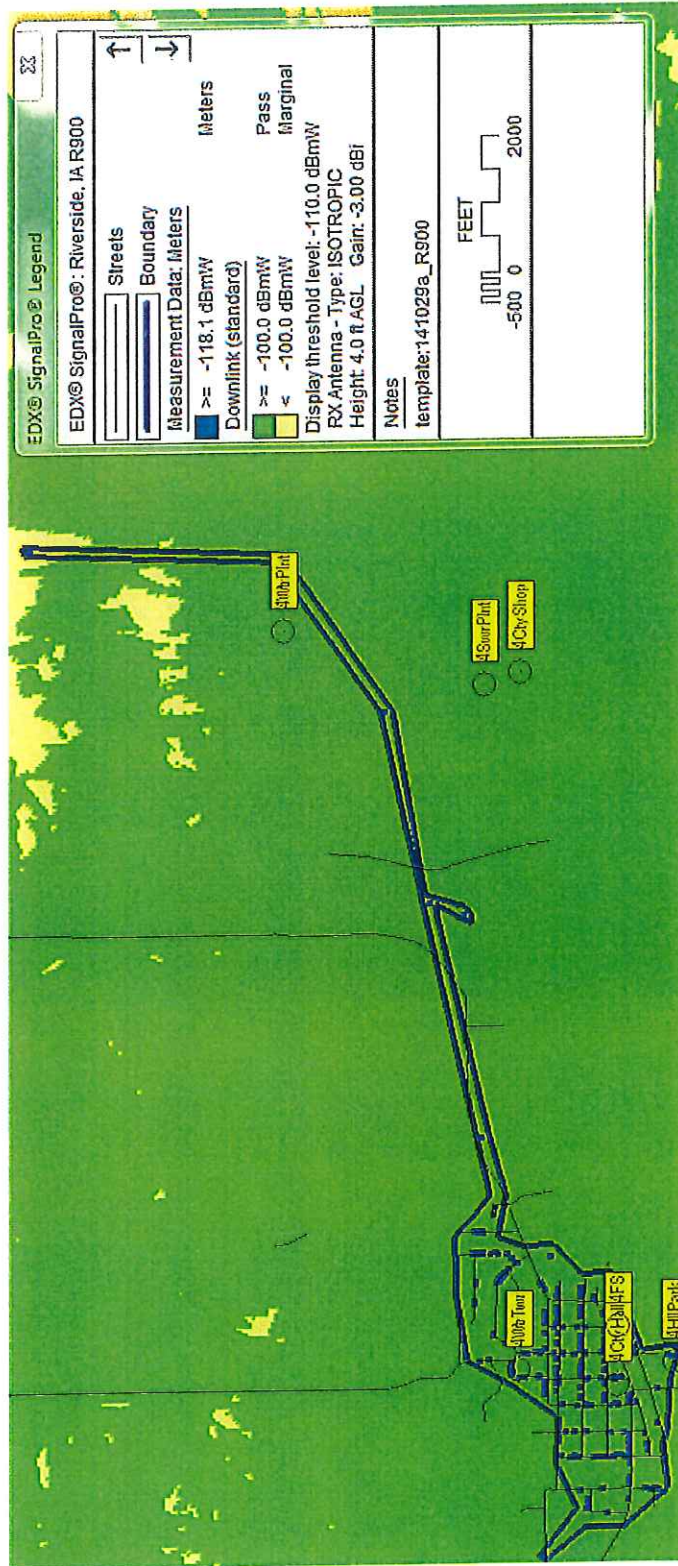
# Map 3: Best Provided w/ WtrPlnt at 75 - inside



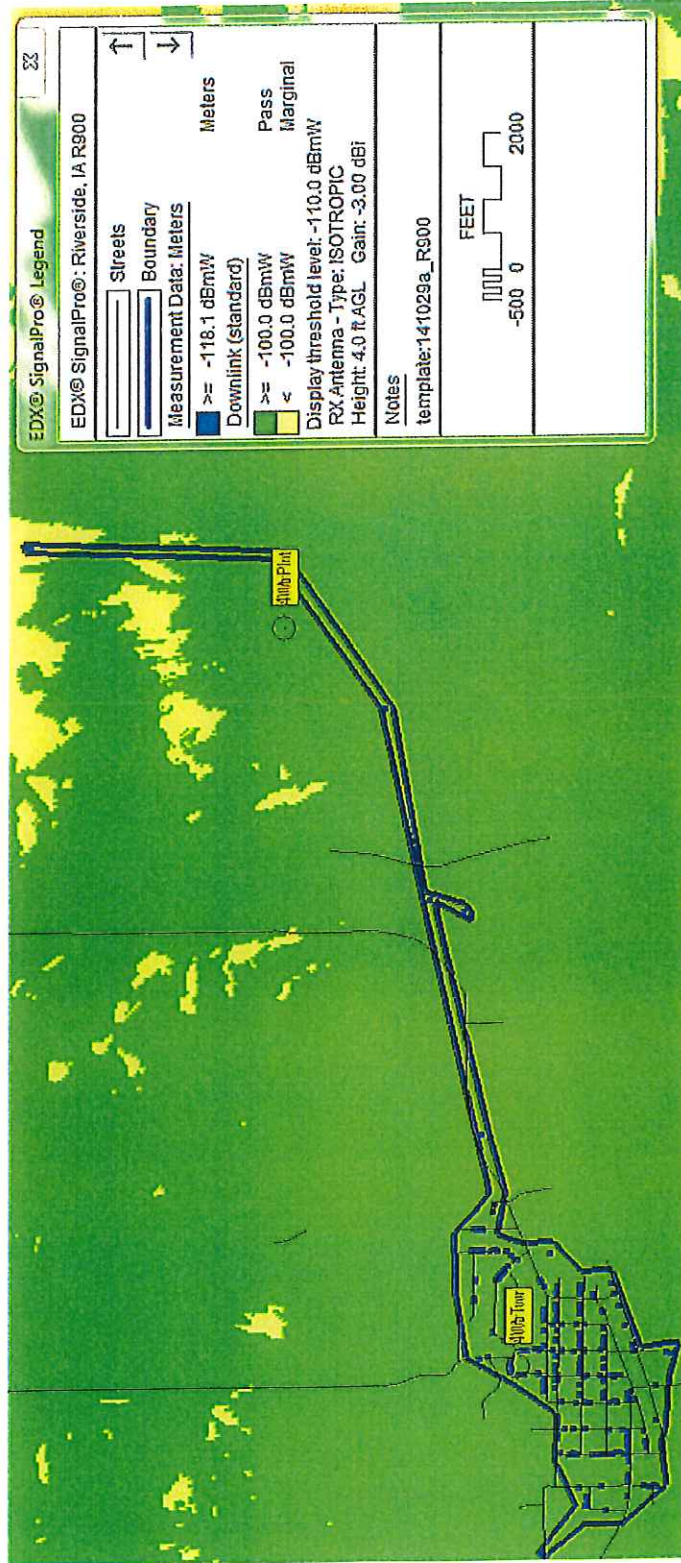
# Map 4: >99% predicted coverage - inside



# Map 5: Provided assets - external

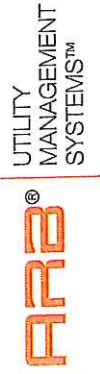
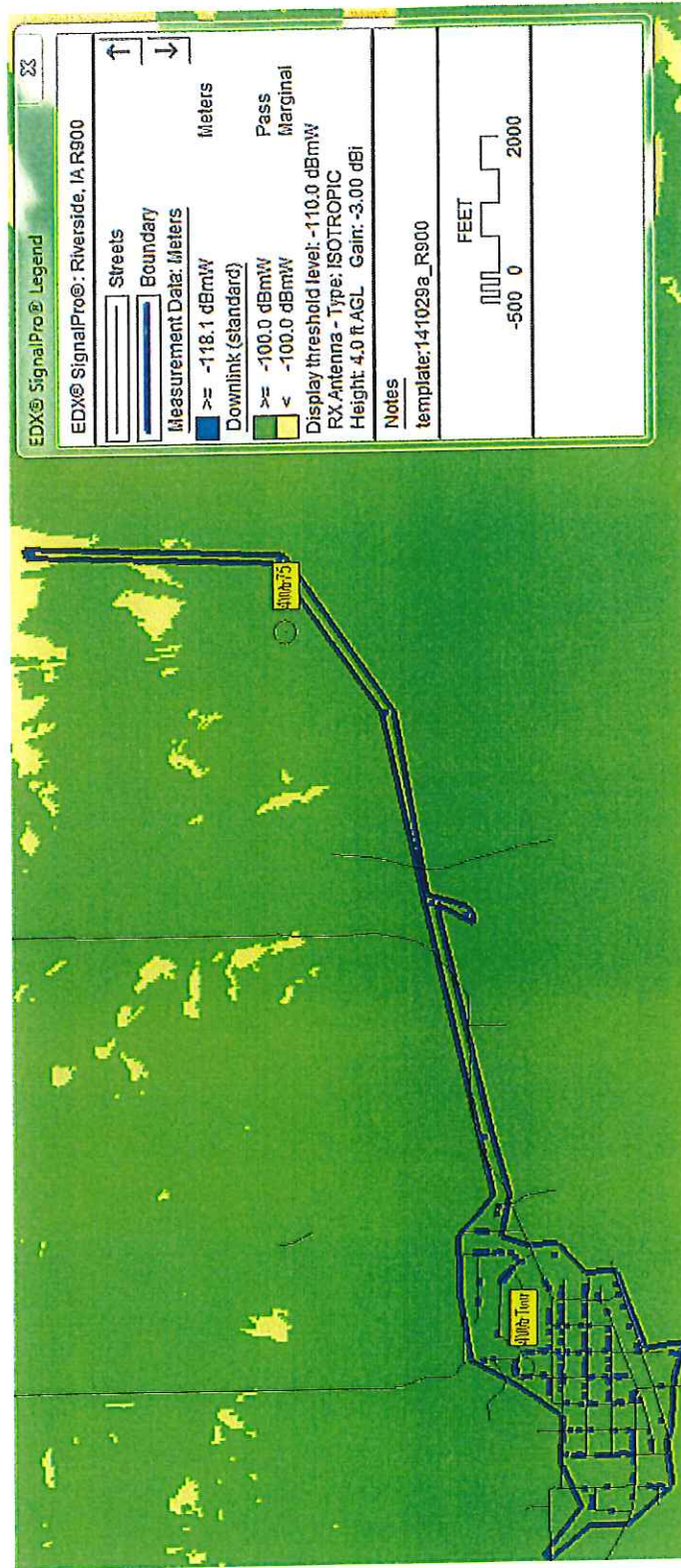


# Map 6: Best Provided - external





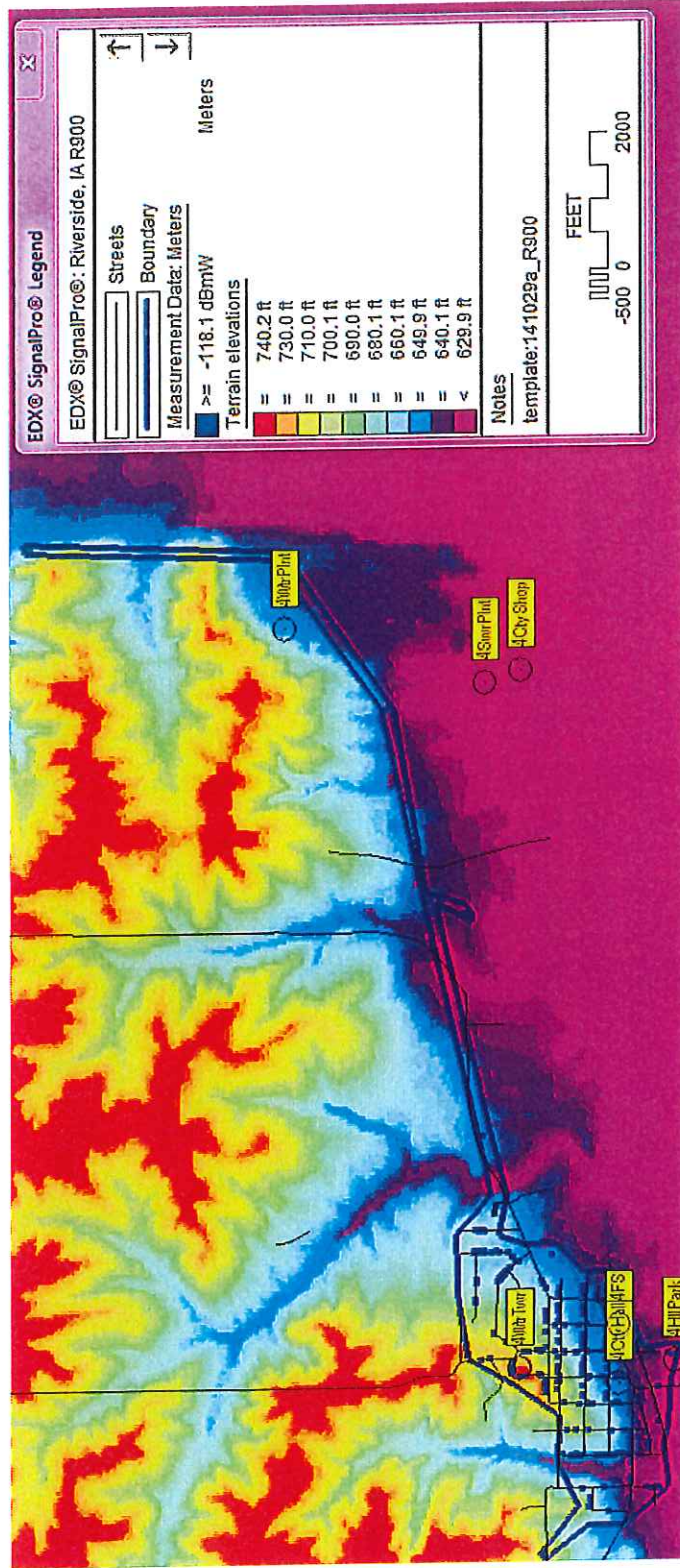
# Map 7: Best Provided w/ WtrPlnt at 75 - external



# Map 8: >99% predicted coverage - external



# Elevation Map (National Elevation Dataset available, courtesy of the U.S. Geological Survey)



# Gateway Locations:

Map	Location	Latitude	Longitude	Collector	Elev(m)	AntHgt(m)	Elev(ft)	AntHgt(ft)	Coax(dB)	AntGain	Antenna
1,2,3,4,5,6,7,8	4WtrTwr	41.483926	-91.579449	GPV4	225	40	737	130	2.5	7.1	MFB9155_915
1,5	4CtyHall	41.481194	-91.580007	GPV4	203	9	667	30	0.6	7.1	MFB9155_915
1,5	4CtyShop	41.497454	-91.541444	GPV4	213	9	698	30	0.6	7.1	MFB9155_915
1,5	4FS	41.478371	-91.580336	GPV4	193	9	633	30	0.6	7.1	MFB9155_915
1,5	4HllPark	41.479551	-91.579068	GPV4	195	6	640	20	1.4	7.1	MFB9155_915
1,5	4SwrPlnt	41.497454	-91.541444	GPV4	213	9	698	30	0.6	7.1	MFB9155_915
2,6	4WtrPlnt	41.493516	-91.539848	GPV4	198	9	650	30	0.6	7.1	MFB9155_915
4,8	4Find001	41.503315	-91.535471	GPV4	203	23	667	75	1.6	7.1	MFB9155_915
3,7	4Wtr75	41.49352	-91.5398	GPV4	198	23	650	75	1.6	7.1	MFB9155_915

## Results:

- Map 1: 7 Gateways – provided – 85.55% services in predicted coverage (R900v4)
- Map 2: 2 Gateways – 85.55% services in predicted coverage
- Map 3: 2 Gateways – 85.55% services in predicted coverage
- Map 4: 2 Gateways – 99.56% services in predicted coverage
- Map 5: 7 Gateways – 85.55% services in predicted coverage
- Map 6: 2 Gateways – 85.55% services in predicted coverage
- Map 7: 2 Gateways – 85.55% services in predicted coverage
- Map 8: 2 Gateways – 100% services in predicted coverage

# Results:

- **R900 Gateway v4 requirements/conditions:**
  - **Power requirement:** 120V AC or SOLAR options **Backhaul:** Cellular Modem, Ethernet.
  - **FAA/ASR** may be required for structures near airports or heights >200ft.
  - **AM Tower** detuning evaluations for structures within 3km, check with LBA Group or Sitesafe.
  - 10ft minimum vertical separation from other 900MHz system antennas on structure.
  - 3ft-4ft standoff required for side mounting antenna on towers.
  - Revised propagation analysis required for Gateway location or height changes.
  - Spare gateway recommended for system maintenance.
  - Complies with Part 15 of the FCC Rules: May not cause harmful interference, and must accept any interference received, including interference that may cause undesired operation.
  - Propagation Study based on typical noise level below -120dBm, otherwise additional gateways could be required.
  - MIUs mounted inside structures are not recommended for Fixed Network solutions. RF signal is affected differently by building materials used within structures and it is difficult to account for all types of construction. If the Scope states inside MIU used for study, an average loss value is applied to the model. In situations, where inside MIUs do not perform as necessary, an external wall MIU or additional Gateways may be required
  - R900 propagation is in development and actual performance cannot be confirmed until system evaluations are complete. Propagation performance is based on 90% daily read success.
  - R900v3 MIU used for study, unless otherwise specified. Older version MIUs should be replaced with R900v3 MIU (External Wall or Pit w/External Antenna) . Pit MIUs require though lid antenna.
  - R900v4 enhanced propagation is preliminary, equipment specifications and system performance still required to validate propagation. Gateway V4 and R900v4 MIU (External Wall or Pit w/External Antenna) required, any older units will require replacement. The use of this Gateway propagation analysis should be done with this understanding and there is no guarantee of product or performance. Additional gateways could be required.

**RESOLUTION #12192016-03**

**RESOLUTION TO RESCIND RESOLUTION #08062012-01 "AMENDING THE PAYOUT FOR SICK LEAVE FOR CURRENT EMPLOYEES"**

**Whereas**, the City of Riverside City Council failed a motion on December 5<sup>th</sup>, 2016 with a 2-3 vote, to pay out Sick Leave upon Termination for Grandfathered employees.

**Therefore**, be it resolved the City of Riverside City Council does hereby rescind the previous Resolution #08062012-01 amending the payout of sick leave and **WILL NOT** pay out any sick leave benefits upon termination to grandfathered employees, Kevin Engel, Bryan Lenz, and Ron Hembry.

It was moved by Councilperson \_\_\_\_\_, seconded by Councilperson \_\_\_\_\_, to approve the foregoing resolution on December 19th, 2016.

Roll Call: Redlinger, Schneider, Sexton, Weber, Schnoebelen

Ayes:

Nays:

Absents:

**PASSED AND APPROVED** by City Council of Riverside, Iowa, on this 19<sup>th</sup> day of December, 2016.

Signed: \_\_\_\_\_

Allen Schneider, Mayor

Attest: \_\_\_\_\_

Lory Young, City Clerk

### City of Riverside Sick Pay Balance Effective August 6<sup>th</sup>, 2012

On August 6<sup>th</sup>, 2012 the City Council of the City of Riverside, Iowa, passed Resolution # 08062012-01 amending the payout of sick leave for current employees. Effective August 6<sup>th</sup>, 2012 the current employees will be grandfathered into having sick leave paid upon termination of employment with the City of Riverside. Sick leave pay will be based upon both current accumulated sick hours earned as well as current hourly pay rate.

Kevin Engel	480 hours accrued at \$ 23.38 per hour:	\$ 11,222.40
Bryan Lenz	467.29 hours accrued at \$ 15.75 per hour:	\$ 7,359.82
Ron Hembry	21.25 hours accrued at \$ 21.63 per hour:	\$ 459.64

I acknowledge that I understand the new policy and agree with the hours of sick time earned and the current hourly pay rate.

Kevin Engel \_\_\_\_\_ Date \_\_\_\_\_

Bryan Lenz \_\_\_\_\_ Date \_\_\_\_\_

Ron Hembry \_\_\_\_\_ Date \_\_\_\_\_

*The cost of living increase*

\_\_\_\_\_  
BILL POCH, Mayor

\_\_\_\_\_  
Date



**RESOLUTION #12192016-04**

**RESOLUTION TO APPOINTING CITY ATTORNEY**

**WHEREAS** the City of Riverside has determined that it is necessary to appoint a City Attorney to advise the City Council and staff on matters of the City's legal business.

**NOW, THEREFORE, BE IT RESOLVED** by the City of Riverside City Council of Riverside, IA designate William Sueppel Jr. as City Attorney for the City of Riverside, IA and

**BE IT RESOLVED** that designation shall be in effect for one year from January 1, 2017 to December 31, 2017 at the rate of \$165.00 per hour.

**MOVED BY** Council Person \_\_\_\_\_, Seconded by Council Person \_\_\_\_\_ to approved the foregoing resolution.

**PASSED AND APPROVED** this 19th day of December, 2016 by the City Council of Riverside, IA.

Roll Call: Weber, Schneider, Sexton, Schnoebelen, Redlinger.

Ayes:

Nays:

Absent:

Signed: \_\_\_\_\_  
Allen Schneider, Mayor

Attest: \_\_\_\_\_  
Lory Young, City Clerk

**RESOLUTION #12192016-05**

**RESOLUTION APPOINTING OFFICIAL NEWSPAPER FOR PUBLICATIONS**

**WHEREAS**, the City of Riverside finds it necessary on an annual basis to designate a newspaper of general circulation within the community as the appropriate entity for the publication of all official notices and proceedings;

**NOW, THEREFORE BE IT HEREBY RESOLVED BY THE CITY COUNCIL OF THE CITY OF RIVERSIDE, IOWA, as follows:**

The Kalona News to be the official weekly newspaper for the City of Riverside, Iowa and that such designation shall be in effect for one year beginning with the first council meeting in January 2017, through December 31, 2017.

**IT WAS MOVED BY** Councilperson \_\_\_\_\_, seconded by Councilperson \_\_\_\_\_ that the foregoing Resolution be adopted.

Roll call: Weber, Schneider, Sexton, Schnoebelen, Redlinger

Ayes:

Nays:

Absent:

**PASSED AND APPROVED** by the City Council of Riverside, Iowa, on this 19th day of December 19<sup>th</sup>, 2017.

Signed: \_\_\_\_\_  
Allen Schneider, Mayor

Attest: \_\_\_\_\_  
Lory Young, City Clerk

**RESOLUTION #12192016-06**

**RESOLUTION APPOINTING DEPOSITORY**

**WHEREAS** the City of Riverside has determined it necessary to approve People's Trust and Savings Bank and Hills Bank and Trust as the official depositories for all City funds.

**WHEREAS** the Riverside City Council hereby designate the following named banks to be depositories of the City of Riverside. The City of Riverside's City Clerk, Utility Billing Clerk, Mayor and Mayor Pro Tem are hereby authorized to deposit, set up and sign for any checking, savings, money market and Certificate of Deposit accounts for the City of Riverside.

**NOW, THEREFORE, BE IT RESOLVED** the following people are authorized to conduct banking for the City of Riverside, IA: Allen Schneider as Mayor, Ralph Schnoebelen as Mayor Pro Tem, Lory Young as City Clerk, Becky LaRoche as Utility Billing Clerk. All banking is required to have two approved signatures and this resolution covers the calendar year of 2017.

**MOVED BY** Council Person \_\_\_\_\_, Seconded by Council Person \_\_\_\_\_, to approve the foregoing resolution.

**PASSED AND APPROVED** this 19th day of December, 2016 by the City Council of Riverside, IA.

Roll Call: Weber, Schneider, Sexton, Schnoebelen, Redlinger

Ayes:

Nays:

Absent:

Signed: \_\_\_\_\_  
Allen Schneider, Mayor

Attest: \_\_\_\_\_  
Lory Young, City Clerk

**RESOLUTION #12192016-07**

**RESOLUTION APPROVING THE WELLMARK HEALTH INSURANCE RENEWAL RATES FOR CITY OF RIVERSIDE FOR PLAN YEAR OF JANUARY 1, 2017 THROUGH DECEMBER 31, 2017**

**WHEREAS**, the City of Riverside City Council approves provides permanent full-time employees with health insurance coverage as one of their benefits. .

**THEREFORE**, be it resolved the City of Riverside City Council does hereby approves Wellmark Blue Cross Blue Shield of Iowa as their health insurance carrier for plan year of January 1, 2017 through December 31<sup>st</sup>, 2017. The City of Riverside will participate in the Alliance Select plan.

**WHEREAS** According to the City of Riverside's Employee Handbook approved on April 20, 2015, the City will pay 95% of a single plan and 90% of a family plan for current full-time employees. The monthly single rate for this year's plan is \$739.28 and the monthly family rate is \$1,848.21.

**MOVED BY** Council Person \_\_\_\_\_, seconded by Council Person \_\_\_\_\_ to approve the foregoing resolution.

Roll Call: Schneider, Redlinger, Sexton, Weber, Schnoebelen

Ayes:

Absents:

Passed by the City Council of Riverside, Iowa and approved this 19<sup>th</sup> day of December, 2016.

Signed: \_\_\_\_\_

Allen Schneider, Mayor

Attest: \_\_\_\_\_

Lory Young, City Clerk

**RESOLUTION #12192016-08**

**RESOLUTION APPROVING THE DELTA DENTAL INSURANCE RENEWAL RATES FOR CITY OF RIVERSIDE FOR PLAN YEAR OF JANUARY 1, 2017 THROUGH DECEMBER 31, 2017**

**Whereas**, the City of Riverside City Council approves provides permanent full-time employees with dental insurance coverage as one of their benefits. .

**Therefore**, be it resolved the City of Riverside City Council does hereby approves Delta Dental of Iowa as their dental insurance carrier for plan year of January 1, 2017 through December 31<sup>st</sup>, 2017. The City of Riverside will participate in the Delta dental Premier Plan B Plus H plan.

According to the City of Riverside's Employee Handbook approved on April 20, 2015, the City will pay 95% of a single plan and 90% of a family plan for current full-time employees. The rate for this year's plan is \$39.96 per month for any participant over 21 years of age and \$33.68 per month for any participant under 21 years of age.

**MOVED BY** Council Person \_\_\_\_\_, seconded by Council Person \_\_\_\_\_ to approve the foregoing resolution.

Roll Call: Weber, Schneider, Sexton, Redlinger, Schnoebelen

Ayes:

Nays:

Absents:

Passed by the City Council of Riverside, Iowa and approved this 19<sup>th</sup> day of December, 2016.

Signed: \_\_\_\_\_

Allen Schneider, Mayor

Attest: \_\_\_\_\_

Lory Young, City Clerk

**RESOLUTION #12192016-09**

**RESOLUTION APPROVING THE LINCOLN NATIONAL LIFE INSURANCE RENEWAL RATES FOR CITY OF RIVERSIDE FOR PLAN YEAR OF JANUARY 1, 2017 THROUGH DECEMBER 31, 2017**

**Whereas**, the City of Riverside City Council approves provides permanent full-time employees with Life, AD &D, Short & Long term Disability insurance coverage as one of their benefits. .

**Therefore**, be it resolved the City of Riverside City Council does hereby approves Lincoln National Life Insurance as the carrier for plan year of January 1, 2017 through December 31<sup>st</sup>, 2017. The City of Riverside will participate in the Life, AD & D, Short term and Long term According to the City of Riverside's Employee Handbook approved on April 20, 2015, the City will pay 100% of this plan for current full-time employees.

The rate for this year's plan is \$82.97 per month for any participant who is a regular full-time employee. This rate did not change from previous year.

**MOVED BY** Council Person \_\_\_\_\_, seconded by Council Person \_\_\_\_\_ to approve the foregoing resolution.

Roll Call: Schneider, Redlinger, Sexton, Weber, Schnoebelen

Ayes:

Nays:

Absents:

Passed by the Riverside City Council and approved this 19<sup>th</sup> day of December, 2016.

Signed: \_\_\_\_\_

Allen Schneider, Mayor

Attest: \_\_\_\_\_

Lory Young, City Clerk

FYI

12/16/2016

**Lory Young**

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**From:** John Berns <j.berns@iiwengr.com>  
**Sent:** Tuesday, December 06, 2016 7:39 AM  
**To:** lory@cityofriversideiowa.com  
**Subject:** Can we give a presentation to the City Council in January?

Good morning Mayor Schneider and Lory,

Can we give a presentation to the City Council in January? I would like to introduce the City Council to IIW and our municipal engineers. I know your time is valuable, so we'll keep the presentation short.

Thanks for your time, John

**John J. Berns**

Business Development Manager

**IIW, P.C.** ♦ ENGINEERS. ARCHITECTS. SURVEYORS

4155 Pennsylvania Avenue | Dubuque, IA 52002-2628

[P] 563-556-2464 | [P] 800-556-4491

[F] 563-556-7811 | [C] 563-581-8914 } [D] 563-690-6969

[j.berns@iiwengr.com](mailto:j.berns@iiwengr.com) | [www.iiwengr.com](http://www.iiwengr.com)

No virus found in this message.

Checked by AVG - [www.avg.com](http://www.avg.com)

Version: 2016.0.7924 / Virus Database: 4728/13545 - Release Date: 12/06/16

Lory Young

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**From:** christian.c@detoxtorehab.com  
**Sent:** Friday, December 09, 2016 9:26 AM  
**To:** lory@cityofriversideiowa.com  
**Subject:** Community Info

Salutations Lory,

My name is Christian, and I was wondering if you are accepting informational links for the city website. If so, I would like to recommend <https://detoxtorehab.com/>.

Detox to Rehab is essentially a one-stop shop of information on everything related to addiction and recovery; it's kind of like an encyclopedia for anyone looking for help, either for themselves or for a loved one.

There is also a page that is dedicated to finding help in the community, specifically locating local meetings and recovery services, wherever you are.

I believe the site can be a great source of information for your community. Take a look and let me know what you think.

<https://detoxtorehab.com/>

<https://detoxtorehab.com/meetings/>

Live Long and Prosper,  
Christian Castillo

No virus found in this message.

Checked by AVG - [www.avg.com](http://www.avg.com)

Version: 2016.0.7924 / Virus Database: 4728/13562 - Release Date: 12/09/16