

UTILITY COMMITTEE Meeting Notice

Governing Body: Utility Committee of Boone, Iowa

Date of Meeting: February 17, 2025

Time of Meeting: 4:30 P.M.

Place of Meeting: City Hall Council Chambers

The City will have this meeting available via Zoom. To join the meeting via internet and/or phone please use the link and/or phone number below. If your computer does not have a mic and you wish to speak, you will have to call in.

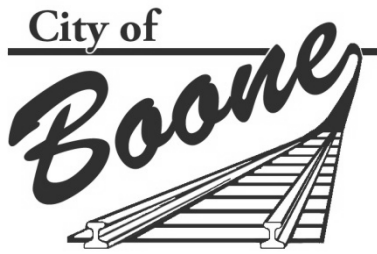
<https://us02web.zoom.us/j/84700703160?pwd=QAAFaFjdSyKDNRTNkP6YaQqRYb7BBQ.1>

Meeting ID: 847 0070 3160

Passcode: 392672

Phone: 1-301-715-8592 or 1-253-215-8782

1. Call Meeting to Order.
2. Approve Minutes from the January 17, 2025 Meeting.
3. Discuss Water Plant Dehumidifier Drain Lines - Periodic Maintenance Program.
4. Discuss New Interior Dividing Wall for the Water Plant Ground Storage Reservoir Project.
5. Review Change Order No. 1 for the Installation of New Electrical/Controls Wiring for the Water Plant Lime Slaker Replacement Project.
6. Discuss Short Elliott Hendrickson, Inc. (SEH) Amendment for Additional Water Model Calibration for New Water Tower for the Water Treatment System Expansion Project.
7. Discuss Potential Force Main Routes Through McHose Park for the New Industrial Pump Station Force Main.
8. Meter Upgrade Report.
 - a. January
9. Stop Box Repair/Shut Off Report.
 - a. January
10. Other Business.
11. Adjourn.



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<https://us02web.zoom.us/j/85187538213?pwd=DHi1gD9W1MNSkTmptuI0UmSnnOMsboc.1>

Meeting ID: 851 8753 8213

Passcode: 614612

Phone: 1-301-715-8592 or 1-253-215-8782

1. Call Meeting to Order.

Present: Angstrom, Moorman, and Byrd

Absent: None

Others present: Andrews, Elmquist, Vote, Skare, Majors, JD Roberts, Perry Gjersvik

Angstrom announced the Committee would start with Item numbers 2, 6 and 7 before going back to discuss Item 3. Byrd arrived at 4:05 p.m.

2. Approve Minutes from November 18, and November 27, 2024 Meetings.

Moorman moved; Angstrom seconded to approve the minutes from November 18, 2024 and November 27, 2024 Utility meetings. Ayes: all those in attendance. Nays: none.

3. Discuss Lift Station and Force Main Upgrades for Daisy Project. – Gjersvik.

Gjersvik presented a memorandum to summarize Revision 1 to the final Facility Plan Report that will be submitted to the Iowa Department of Natural Resources (IDNR) as they have approved the flows and loadings which will be used in the planning and design efforts. Gjersvik will incorporate the approved flows and loads into Revision 1 for resubmittal.

Gjersvik advised that Daisy has provided information supporting their request to accommodate a peak flow of 2,100 gpm from a previously submitted peak flow of 1,300 gpm. The revised report takes into consideration the 2,100 gpm peak flow in sizing of the proposed pump station and force main as well as the replacement of the existing gravity sewers that are not of adequate diameter to transport additional flow.

Gjersvik presented three (3) options for routing the new force main and the associated costs with each:

- 1.) *Route the new force main to the existing termination point on Five Mile Drive north of Moffitt's Ford Dealership. This option results in the smallest length of the new force main but has several negative impacts. The Opinion of Probable Costs for this option is \$5,103,920.00.*
- 2.) *Route the new force main from the Daisy Brands site to Kate Shelly Drive. This option results in a longer force main but with less gravity sewer replacement. The Opinion of Probable Costs is \$4,962,080.00*
- 3.) *Route the new force main from the Daisy Brands site to the Wastewater Treatment Facility. This option results in the largest amount of new force main but does not require replacement of any gravity sewer segments. The Opinion of Probable Costs is \$3,093,160.00.*

The Committee discussed the above options; with Moorman suggesting they look at a 16-inch line for the new force main instead of a 12-inch line. Moorman moved; Byrd seconded to recommend option #3 to the full Council at the January 20, 2025 meeting with the option of having a 16-inch line for the force main. Ayes: all those in attendance. Nays: none.

4. Discuss Updates on Sanitary Sewer I/I Inspection Program Phase 7. – Andrews.
Moorman moved; Byrd seconded to recommend moving forward with the 2025 Sanitary Sewer I/I Inspection Program Phase 7 to full City Council at the January 20, 2025 Council meeting; this project comes in under the budget at \$107,000.00, for the area described as bordered by Story Street on the west, South Jackson Street on the east, 1st Street on the north and Park Avenue. Ayes: all those in attendance. Nays: none.
5. Review of the November and December 2024 US Water Monthly Reports.
The Committee reviewed the monthly US Water and Wastewater Operations and Maintenance Reports for November and December 2024.
6. Meter Upgrade Report.
 - a. November
Andrews reported that in November, staff finished twenty-one (21) meter upgrades, one (1) meter was installed for a new service, and twenty (20) meters were changed due to other reasons.
 - b. December
Andrews reported that in December, staff finished twenty-nine (29) meter upgrades, one (1) meter was installed for a new service, and twenty-eight (28) meters were changed due to other reasons.
7. Stop Box Repair/Shut Off Report.
 - a. November

Vote stated that in November, thirty-three (33) accounts would have qualified to be on the shut off list but they did not do shut offs due to the holidays. Five (5) delinquent bills totaling \$1,456.77 were certified on November 26, 2024 and there are one hundred forty-nine (149) stop boxes in need of repair, sixty-five (65) of which have lead service lines.

b. December

Vote stated that in December, seventy-four (74) accounts would have qualified to be on the shut off list. Eighteen (18) delinquent bills totaling \$4,524.97 were certified on December 31, 2024 and if left unpaid, nine (9) delinquent water bills totaling \$3,587.76 are scheduled to be certified on January 31, 2025. There are one hundred forty-nine (149) stop boxes in need of repair, sixty-five (65) of which have lead service lines.

8. Other Business.

Skare advised that Mike Espeset, with Story Construction, would like to meet with Gjersvik regarding Construction Manager at Risk for the Water and Wastewater projects.

Skare stated that there is a meeting scheduled for Tuesday, January 21, 2025 with Boone County Landfill representatives to discuss leachate.

9. Adjourn.
4:54 p.m.

CHANGE ORDER NO.: 1

Owner: City of Boone, Iowa	Owner's Project No.: NA
Engineer: Short Elliott Hendrickson Inc.	Engineer's Project No.: BOONE 175503
Contractor: WRH, Inc.	Contractor's Project No.: 1436
Project: Lime Slaker Replacement Project	
Contract Name: General Contract	
Date Issued: February 11, 2025	Effective Date of Change Order: February 17, 2025

The Contract is modified as follows upon execution of this Change Order:

Description:

Install new conduit to each lime slaker, to the room below the lime slakers, and as a single conduit to the plant PLC for the two new cat 6s for the lime slaker communication for a total price of \$5,480.50. This change also adds two additional calendar days to the contract completion date.

Attachments:

Change Order Proposal from WRH, Inc.

Change in Contract Price	Change in Contract Times
Original Contract Price: \$ 659,500.00	Original Contract Times: Substantial Completion: April 18, 2025 Ready for final payment: May 2, 2025
[Increase] [Decrease] from previously approved Change Orders No. 1 to No. [Number of previous Change Order] : \$ NA	[Increase] [Decrease] from previously approved Change Orders No.1 to No. [Number of previous Change Order] : Substantial Completion: NA Ready for final payment: NA
Contract Price prior to this Change Order: \$ 659,500.00	Contract Times prior to this Change Order: Substantial Completion: April 18, 2025 Ready for final payment: May 2, 2025
Increase this Change Order: \$ 5,480.50	Increase this Change Order: Substantial Completion: 2 calendar days Ready for final payment: 2 calendar days
Contract Price incorporating this Change Order: \$ 664,980.50	Contract Times with all approved Change Orders: Substantial Completion: April 20, 2025 Ready for final payment: May 4, 2025

Recommended by Engineer

By: Katrina L. Kinsey

Title: Project Manager

Date: February 11, 2025

Authorized by Owner

By: _____

Title: _____

Date: _____

Accepted by Contractor

By: [Signature]

Title: PROJECT MANAGER

Date: 2/11/25

Approved by Funding Agency (if applicable)

By: _____

Title: _____

Date: _____

END OF DOCUMENT



Request for Change (RFC)

Project: **Lime Slacker Replacement Project**

City of Boone, Iowa

RFC No. 1

DATE 02/05/25

Job No. 1436

Reference:

RFQ # _____

Location Service to the new Slaker Units

SEH No. 175503

A Change in the scope of work is indicated below and Owner's prompt approval or rejection of this authorization is requested so that the material may be purchased and to prevent any delay in field operations.

Reason for Change:

- Design Request
- Field Condition
- Owner Request
- Suggested by Contractor
- Other --- Explain _____

1) RFC to cover cost of:

- This proposal is for the running of new conduit to each new lime slacker that is to connect in the room below slacker room and run as a single conduit to the plant PLC as a raceway for two new cat 6's for slacker communication.
- Conduit in open ceiling rooms to be GRC, conduits above drop ceilings and in the electrical room to be EMT with compression fittings.
- Contractor will be as careful as possible working above grid ceiling but will not be held responsible for replacing broken grid tiles as the condition is unknown at this time.
- 4 hours have been removed for use of existing power conductors.

2) It is requested that the completion date be; extended decreased
by 2 calendar days.

3) Basis of Payment:

- a) Firm price for performing this change along with attached supporting details
is increased / decreased by \$5,480.50
- b) Unit Price \$0.00
- c) Change to be performed per unit prices in Contract \$0.00
- d) The time required to prepare and agree upon a detailed estimate prior to proceeding with the change would unduly delay job progress. The following is an approximate estimate to assist Owner in determining whether or not change should be made. If notified to proceed, a detailed estimate in the form agreed upon, with supporting details, will be submitted after receipt of said notice.
Approximate Estimate is \$0.00

CHANGE WILL NOT BE MADE
PROCEED ON THE FOLLOWING BASIS:

- Firm Price
- Estimate of Price
- Unit Price in Contract
- Time and Material
- Change in Completion Date
- No Change

Comments:

Submitted by: 
Tim Williams

Approved by _____
Owner

WRH, Inc.

Date: 2/5/2025

Date: _____

Lime Slacker Replacement Project

City of Boone, Iowa

02/05/25

RFC Calculation

RFC # 1

Project # 1436

Subcontractors	Quantity	Unit	Unit Rate	Line Total
Rerouting Controls Hard Pipe	1.00	LS	\$4,917.03	\$4,917.03
				\$0.00
				<u>\$0.00</u>
				\$4,917.03

Material:

\$0.00
\$0.00
\$0.00
\$0.00

Labor:

General Labor		Hr	\$79.50	\$0.00
Skilled Labor		Hr	\$84.34	\$0.00
Equipment Operator		Hr	\$91.40	\$0.00
Foreman		Hr	\$95.40	\$0.00
Superintendent		Hr	\$104.03	\$0.00
Project Manager	1.00	Hr	\$182.75	\$182.75
		Hr		\$0.00

Equipment:

				\$0.00
Field Truck		Day	\$93.60	\$0.00
Skid loader		Hr	\$57.20	\$0.00
Heavy Duty - Dump		Hr	\$145.00	\$0.00
Excavator (under 100 HP)		Hr	\$83.20	\$0.00
Excavator (100 HP +)		Hr	\$135.20	\$0.00
Crane		Hr	\$218.00	\$0.00
Dozer (small)		Hr	\$98.80	\$0.00
Dozer (large)		Hr	\$130.00	\$0.00
		Hr		\$0.00
		Hr		\$0.00

Sub-total \$5,099.78

Sales Tax on Material	0.00%	\$0.00
Contractor's Fee (Self-performed)	15.00%	\$27.41
Contractor's Fee (Sub-contracts)	5.00%	\$245.85
		<u>\$0.00</u>

\$5,373.04

Bond & Insurance	2.00%	\$107.46
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Total Proposed Change **\$5,480.50**

Change Request Proposal

Project: CA-241341 / Boone Lime Slaker
(name and address) 1190 188th Rd
Boone, IA 50036

Change request number: RFC-002
Description: Rerouting of Controls Hard Pipe

Customer: WRH Inc

Notice to Proceed

Submitted date:
Received date:
Rough order of magnitude: 0.00

Status: Proposed
Origination date: 02/05/25

Quotation

Submitted date: 02/05/25
Due date:
Submitted amount: 4,917.03
Requested days delay: 0

Notes

This proposal is for the running of new conduit to each new lime slaker that is to connect in the room below slacker room and run as a single conduit to the plant PLC as a raceway for two new cat 6's for slacker communication.

Conduit in open ceiling rooms to be GRC, conduits above drop ceilings and in the electrical room to be EMT with compression fittings

Price will be as careful as possible working above grid ceiling but will not be held responsible for replacing broken grid tiles as there condition is unknown at this time.

4 hours have been removed for use of existing power conductors.

Revenue Detail

Billing Item	Description	Revenue
RFC-002	Rerouting Controls Hard Pipe	4,917.03
Total Revenue For CR RFC-002		4,917.03

Approvals

Customer: WRH Inc
Authorized Representative: _____

Contractor: Price Electric

By: _____

By: _____

Date: _____

Date: _____

PRICE

ELECTRIC

405 N Troy Rd, Robins, IA 52328 | Phone 319-393-6406
 1505 E Aurora, Des Moines, IA 50313 | Phone 515-957-9027
 Fort Myers, FL 33908 | 239-910-0802

www.priceelectric.us

2/5/2025

ATTN: Rerouteing of Controls Hard Pipe

Project:Boone Lime Slacker

Field Labor	Hours	Rate	Total
Electrician	16	\$98.00	\$1,568.00
Foreman	16	\$120.00	\$1,920.00
Superintendent	0	\$125.00	\$0.00
Project Manager	---	---	---
Project Coordinator	---	---	---
Estimator	---	---	---
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Indirect Labor	Hours	Rate	Total
Project Manager	3	\$140.00	\$420.00
Project Coordinator	0	\$80.00	\$0.00
Estimator	0	\$110.00	\$0.00
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Field Labor Sub-Total			\$3,488.00
Indriect Labor Sub-Total			\$420.00

Material	Quantity	Cost	Total
Wire Deduct	1	-\$425.83	-\$425.83
Lot Material	1	\$640.68	\$640.68
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Material Sub-Total			\$214.85

CONTRACTOR (SIGNATURE) _____ TITLE: _____ DATE: _____

PRICE ELECTRIC

405 N Troy Rd, Robins, IA 52328 | Phone 319-393-6406
 1505 E Aurora, Des Moines, IA 50313 | Phone 515-957-9027
 Fort Myers, FL 33908 | 239-910-0802

www.priceelectric.us

Equipment	Quantity	Cost	Total
---	0	\$0.00	\$0.00
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Equipment Sub-Total			\$0.00

Subcontractor	Quantity	Cost	Total
---	0	\$0.00	\$0.00
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Subcontractor Sub-Total			\$0.00

Sub-Total	\$4,122.85
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Indirect Costs	% of Cost	Total
Expendable Tools (Field Labor)	2.50%	\$87.20
Safety Expenses (Field Labor)	1.00%	\$34.88
Office Expense (Office Labor)	1.50%	\$6.30
Bond	0.75%	\$30.92
Other Required Insurance	0.40%	\$16.45
Labor Mark-Up	15%	\$586.20
Material Mark-Up	15%	\$32.23
Equipment Mark-Up	15%	\$0.00
Subcontrator Mark-Up	15%	\$0.00
Sales Tax	0%	\$0.00

Price Electric Total	\$4,917.03
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CONTRACTOR (SIGNATURE) _____ TITLE: _____ DATE: _____

**Amendment 1
to Agreement for Professional Services**

This Amendment 1 modifies the Agreement for Professional Services between City of Boone, Iowa (“Client”), and Short Elliott Hendrickson Inc. (“Consultant”), dated November 18, 2024, for the project described below:

**Engineering Design, Bidding Assistance, and Services During Construction For:
Water Treatment System Expansion Project
Boone, Iowa**

Client’s Authorized Representative: Bill Skare, City Administrator
Address: 923 – 8th Street, PO Box 550
Boone, IA 50036
Telephone: 515.432.4211 **email:** bskare@booneiowa.gov

Project Manager: Katie Kinsey, PE
Address: 5414 NW 88th Street, Suite 140
Johnston, IA 50131
Telephone: 515.957.2373 **email:** kkinsey@sehinc.com

I. MODIFICATIONS TO AGREEMENT FOR PROFESSIONAL SERVICES:

A. Change in Scope of Services:

1. Additional hydraulic modeling services to calibrate the hydraulic model
 - a) Collect field data using data recorders
 - b) Process field data collected
 - c) Calibrate hydraulic model using extended period simulation (EPS) based on field data results
 - d) Provide technical memo describing model calibration process including assumptions and description of utilized data

B. Change in Compensation for Basic Services – Lump Sum Payment:

1. This Amendment shall increase the contract by a total amount of \$10,500.00, with approximate breakdown of amounts as follows:
 - a. Design/Bidding: \$10,500.00

II. OTHER TERMS AND CONDITIONS: Other or additional terms contrary to the Agreement for Professional Services that apply solely to this project as specifically agreed to by signature of the Parties and set forth herein: None.

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Short Elliott Hendrickson Inc.

City of Boone, Iowa

By: Chris Larson

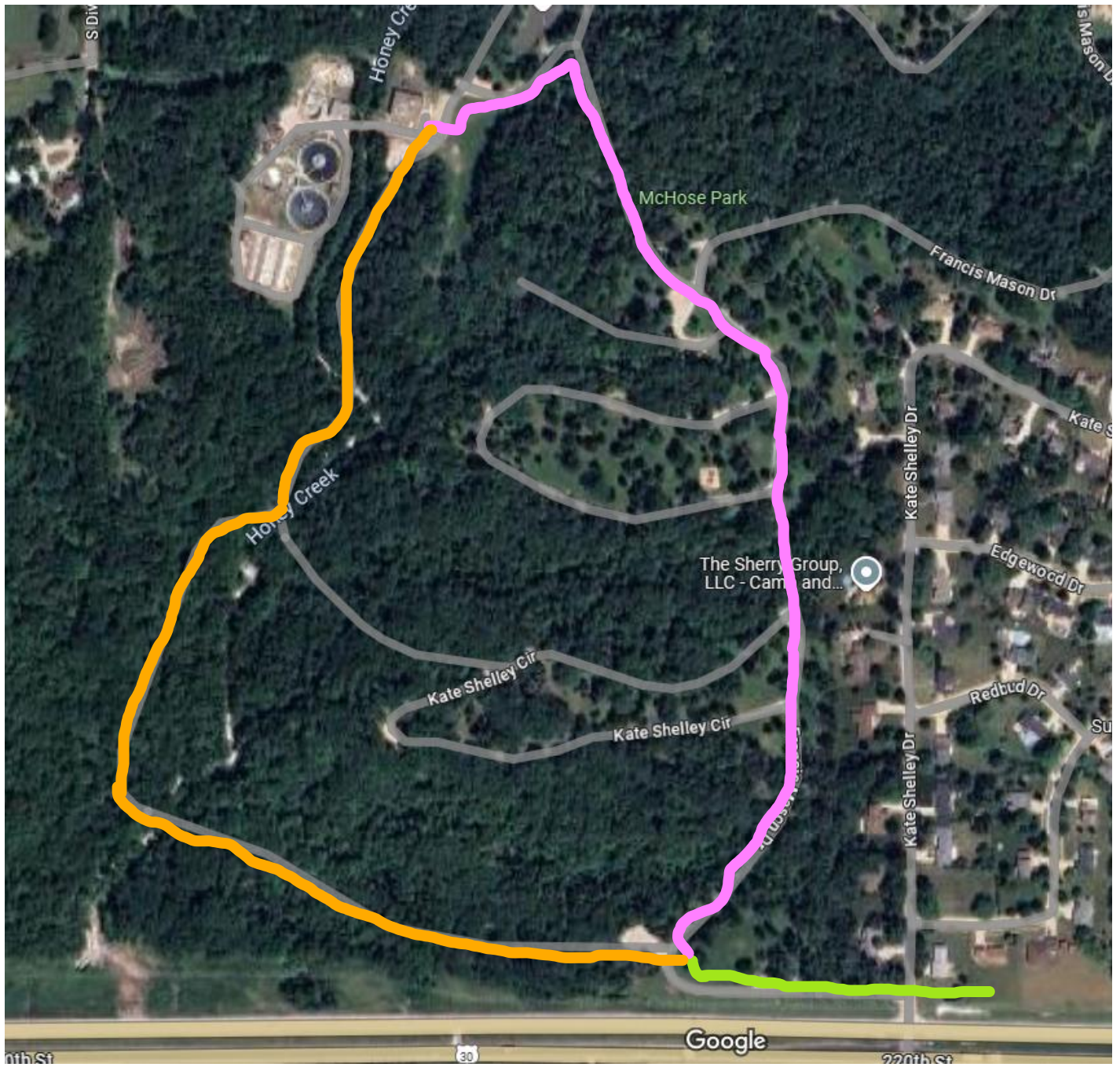
By: _____

Title: Chris Larson, PE
Regional Practice Center Leader

Title: Elijah Stines
Mayor

Date: February 10, 2025

Date: _____



UPGRADE PROGRAM		January 2025				
DATE	ADDRESS	ORIG INSTALL	Note	Low	Med	High
1/6/2025	2025 Carroll	New Service				
1/13/2025	1407 19th H	3/13/2015				
1/13/2025	1407 19th L	3/13/2015				
1/13/2025	221 East St	5/24/2000				
1/13/2025	621 W 8th	4/5/2000				
1/14/2025	123 Tama	1/5/2010				
1/15/2025	107 Franklin	6/16/2014				
1/16/2025	2011 Aldrich	7/15/1999				
1/16/2025	620 S Story	10/25/2007				
1/20/2025	712 W 8th	5/14/2006				
1/20/2025	415 w 8th	4/13/2005				
1/22/2025	1613 Story	11/22/2006				
1/24/2025	1602 Snedden	12/5/2006				
1/24/2025	717 W Mamie	2/5/2013				
1/27/2025	321 w 9th	10/19/2006				
1/27/2025	1509 Kate Shelley	11/15/1999				
1/28/2025	1026 8th	6/3/1999				

Curb Box Repair Update for 2/17/2025 – as of 2/10/2025

\$5,219.80 was collected during shut offs. 41 accounts qualified to be on the list.

145 stop boxes need repaired, 60 of which have lead service lines.

7 delinquent bills totaling \$2,677.40, certified on January 31st and if left unpaid, 8 delinquent water bills totaling \$2,552.41 are scheduled to certify on February 26th.

Lesli Vote
Utility Billing Supervisor