AGENDA<br>WORK SESSION MEETING<br>City of Moberly<br>September 21, 2020<br>6:00 PM<br>AMENDED AGENDA

## Requests, Ordinances, and Miscellaneous

1. ESP Project Update
2. A request from Jeremy Kitchen to hold their annual Cowboy's for Christmas parade on November 7, 2020.
3. An Ordinance amending the CBA with the Fire Union.
4. Change order \#3 for Harrison Garfield project of decrease of $\$ 1,683.88$.
5. Stop Sign request by a citizen to make the intersection of E. Logan and Gratz brown a four way stop.
6. An Ordinance Amending Section 42-293 Relating to Sewers

Department: Public Utilities
Date: September 21, 2020

## Agenda Item: ESP Project Update

Summary: ESP will be here to provide an update of the meter replacement project, the wastewater treatment plant blower and VFD installation, and the water plant VFD installation. An update on the upcoming software conversion will also be provided. Information on revenue tracking and energy savings will also be provided.

## Recommended

Action: For Information Only
Fund Name: N/A

## Account Number:

## Available Budget \$:



## i S P O

## City of Moberly:

Update on Energy Performance Contract for Savings, Revenue Recovery and Plant Improvements

Moberly, Missouri

September 21, 2020

## Agenda

- Review What You Bought
- Construction Update
- Energy Savings
- Water Treatment Plant
- Waste Water Plant
- Revenue Recovery
- Commercial Meters
- Residential Meters
- Summary / Q\&A


## What Did You Buy

| Energy Conservation Measure | Quantity | Projected <br> Annual <br> Energy <br> Savinas | Annual <br> O\&M <br> Savings | Guaranteed <br> Annual <br> Savings | Turnkey <br> Installed Price |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Water Meters, AMI and Billing Software <br> Integration | $\mathbf{5 , 3 0 5}$ | $\mathbf{\$ 6 2 5 , 8 4 3}$ | $\mathbf{\$ 2 8 , 8 0 0}$ | $\mathbf{\$ 5 2 9 , 4 7 4}$ | $\mathbf{\$ 4 , 0 2 5 , 3 6 6}$ |
| 5/8" Water Meters | 4800 | $\$ 96,486$ | $\$ 0$ | $\$ 77,189$ | $\$ 1,676,456$ |
| 1" Water Meters | 376 | $\$ 10,136$ | $\$ 0$ | $\$ 8,109$ | $\$ 149,910$ |
| 2" Water Meters | 117 | $\$ 26,025$ | $\$ 0$ | $\$ 20,820$ | $\$ 99,939$ |
| 3" Water Meters | 5 | $\$ 34,259$ | $\$ 0$ | $\$ 27,407$ | $\$ 12,639$ |
| 4" Water Meters | 6 | $\$ 64,037$ | $\$ 0$ | $\$ 51,229$ | $\$ 13,547$ |
| 6" Water Meters | 1 | $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 6,017$ |
| Advanced Metering Infrastructure | NA | $\$ 394,900$ | $\$ 28,800$ | $\$ 344,720$ | $\$ 1,651,892$ |
| Billing and Accounting Software System | NA | $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 414,966$ |
|  |  |  |  |  |  |
| Process Improvements | $\mathbf{6}$ | $\$ 39,642$ | $\mathbf{\$ 0}$ | $\$ 35,677$ | $\$ 617,081$ |
| Replace SBR Blowers and Add VFD's at WWTP | 3 | $\$ 21,389$ | $\$ 0$ | $\$ 19,250$ | $\$ 474,929$ |
| Install VFD's on High Service Pumps at WTP | 3 | $\$ 18,252$ | $\$ 0$ | $\$ 16,427$ | $\$ 97,128$ |
| WTP PLC Controller Upgrade | NA | $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 45,024$ |
|  |  |  |  |  |  |
| Contract Sum |  | $\$ 665,484$ | $\$ 28,800$ | $\$ 565,152$ | $\$ 4,642,447$ |

## Construction Update

Water Treatment Plant (High Service Pump VFD)


## Done『

Waste Water Treatment Plant
(New SBR VFDs \& Controls)


## Construction Update

Meter Telecommunications

## Done『



Billing Software

- Caselle selected by City
- City and Caselle working with City Departments to Develop



## Construction Update

Commercial Water Meters


Residential Water Meters - 25\% Complete


## Energy Savings

Water Treatment Plant

- 3 @ 100 hp pumps, usually only 1 runs.
- VFD plan was to reduce pump speed by $25 \%$ and power by $52 \%$

Results:

- The pumps are running "Very Quiet"
- Pump speed is actually running $33 \%$ less

QUIET
ZONE

- Throttling valve opened, discharge pressure reduced from 86 to 43 psi (50\% pressure drop)



## Energy Savings

## Waste Water Treatment Plant

- 3 @ 100 hp blowers, usually 1 runs with $2^{\text {nd }}$ half time
- New reduced blower size and New VFD results in 30\% savings

Results:

- Currently running 2 SBRs but at approximately 50\% capacity
- Resultant power and energy reduction of approximately 65\%
- Significant Improvement of Dissolved Oxygen Control
- Smart Blowers will result in
- Residual Maintenance Savings
- Increased Life Span



## Revenue Recovery

Total Projected Recovery:

- Commercial Meters
- Meter Setup Errors
- Meter Accuracy
- Residential Meters
- Meter Accuracy
\$625,843
\$394,900
\$131,457
\$ 99,486


## Summary and Q\&A

- Project is On Time and On Budget
- Savings are On Track or Better
- \$30,000 in Ameren Rebates
- Revenue Recovery is On Track

Agenda Item: A request from Jeremy Kitchen to hold their annual Cowboy's for Christmas parade on November 7, 2020.

## Summary:

Request to hold the annual Cowboy's for Christmas parade on 11-07-2020. Parade will begin at noon at the Lodge in Rothwell Park. Parade will go south on Rothwell Park Road, across the dam to the war memorial where it will turn north on Holman Road to Concannon St. East on Concannon St to Johnson Street, south on Johnson St. to W. Rollins, west on W. Rollins to College Ave, south on College Ave to Fisk Ave, west on Fisk Ave to Rothwell Park Road at maintenance building, north on Rothwell Park Road, turning left at James Youth Cabin and returning to the Lodge where parade will end. Contact person is Jeremy Kitchen, 660-676-0634. They expect 50 animal units to participate and have six people to assist with traffic along the parade route.

Recommended Action Direct staff to bring to the October $5^{\text {th }}$ Council meeting for final approval.
Fund Name: N/A

Account Number: 0.00
Available Budget \$: N/A


# APPLICATION FOR PARADE PERMIT <br> City of Moberly, Missouri 

Date: $9 / \partial / \partial 0$

1. Organization/Agency requesting permit: Cowboys For Christ mos
2. Name of Person making Application: Jereny fittehen Contact Person: Jeremy Kitchen phone: 660-6)6-06 34
3. Date of Parade: $1 / \angle>/ 20$ Start Time: Noon
4. Staging Area: The Lodge at Rothwell Park
5. Approximate Number of Units Participating in Parade:
A. Bands
D. Foot Units
B. Motorized Units $\qquad$ E. Animal Units $\qquad$
C. Floats $\qquad$ F. Others $\qquad$

Total Number of Units: So
See attached Map
6. Parade Route and ending point: Start at the Lodge in Roth well Parky Go down Rothwell Park Rd, turn Left on Holman Bd, Turn Rt on Concannon st, Continue on Johnston st, torn Rt on Wholips, Left on College ave, $R t$ un Fisk ave, turn Rt at Roth wall lark to
7. Will organization or parade participants be dispersing any items during the the Loggle parade? YesNo If yes, what? $\qquad$
8. Will organization or agency furnish personnel to assist the police with security or traffic along the parade route? Yes $\square$ No If so, how many? $\qquad$
9. Have read and agree to the rules outlined in the parade permit. Yes $\square$ No $\square$
10. Signature of Applicant:

11. Approved:
 Disapproved $\qquad$ Date $09042 v$

## Google Maps



Department: Administration
Date: September 21, 2020

Agenda Item: An Ordinance amending the CBA with the Fire Union.
Summary: The Fire Union determined that the existing Minimum Credentials for new employees which included "Certified First Responder Required" was not realistic and should be changed to "Certified First Responder Preferred." The CBA with the union requires that any amendment be in writing and agreed to by both parties. The Union has approved the amendment. This Ordinance reflects the city's acceptance of the amendment.

## Recommended

Action: Direct staff to bring to the October $5^{\text {th }}$ Council meeting for final approval
Fund Name: N/A
Account Number: N/A
Available Budget \$: N/A

$\qquad$ ORDINANCE NO. $\qquad$


#### Abstract

AN ORDINANCE APPROVING THE FIRST AMENDMENT TO THE COLLECTIVE BARGAINING AGREEMENT BETWEEN THE CITY OF MOBERLY, MISSOURI AND THE LOCAL 2671, INTERNATIONAL ASSOCIATION OF FIREFIGHTERS.

NOW THEREFORE BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF MOBERLY, MISSOURI, TO-WIT:


SECTION ONE: Local 2671, International Association of Firefighters (the "Union" along with the "City" may be collectively referred to herein as the "Parties") and the City entered into a Collective Bargaining Agreement (the "Agreement") which was approved by Ordinance Number 9564 on December 16, 2019.

SECTION TWO: Section 4.02 of the Agreement provides that it may be amended in writing which amendment becomes effective when signed by both parties.

SECTION: Attached hereto is a proposed First Amendment to the Agreement which has been approved by the Union and which provides for amending Section 2.14. 3.) 4. as follows: Certified Missouri EMT license preferred, Certified First Responder Preferred.

SECTION FOUR: The First Amendment is hereby approved, and the Mayor, City Manager and Fire Chief are hereby authorized to execute the Agreement on behalf of the City.

SECTION FIVE: This Ordinance shall be in full force and effect from and after its passage and adoption by the Council of the City of Moberly, Missouri, and its signature by the officer presiding at the meeting at which it was passed and adopted.

PASSED AND ADOPTED by the Council of the City of Moberly, Missouri, this $21^{\text {st }}$ day of September, 2020.

Presiding Officer at Meeting

## ATTEST:

## FIRST AMENDMENT TO COLLECTIVE BARGAINING AGREEMENT

This First Amendment to the Collective Bargaining Agreement (the "Agreement") between the City of Moberly (the "City") and Local 2671, International Association of Firefighters (the "Union" along with the "City" may be collectively referred to herein as the "Parties") is as follows:

WHEREAS, the Union approved and presented the Agreement to the City which was then approved by the City by Ordinance Number 9564 on December 16, 2019; and

WHEREAS, Section 4.02 of the Agreement provides that it may be amended in writing which amendment becomes effective when signed by both parties; and

WHEREAS, the Union desires to amend Section 2.14, 3.) 4. as follows:
"4. Certified Missouri EMT license preferred, Certified First Responder Preferred;"

NOW, THEREFORE, the Parties hereby adopt the following amendment to their Agreement:
Section 2.14 Promotions and Hiring
3.) Minimum Credentials for New Employees:
4. Certified Missouri EMT license preferred, Certified First Responder preferred;

## APPROVAL OF AMENDMENT

The following persons by endorsing this Amendment represent that they are authorized to act on behalf of the City of Moberly, Missouri and Local 2671 of the International Association of Firefighters.

Jerry Jeffrey, Mayor $\overline{\text { Date }}$
$\overline{\text { Brian Crane, City Manager }} \overline{\text { Date }}$
Jerry Washam, Acting Fire Chief Date

Department: Public Works
Date: September 21, 2020

Agenda Item: A Resolution Authorizing And Accepting Change Order Number 2 To The Contract With Willis Bros. Inc., For The Harrison And Garfield Project.

Summary: Please find attached the change order with a decrease of $(\$ 1,683.88)$ for decrease in straight back curb and gutter (line 14) and curb inlet (line 21).

The contract price prior to this change order was $\$ 1,327,554.30$. The new price is $\$ 1,325,870.42$.

Staff recommends approval of this.
Recommended Direct staff to bring forward to the October 5, 2020 Regular City Council Action: meeting for final approval.

Fund Name: Transportation Trust
Account Number: 600.178.5409

Available Budget \$: 369,471.50

| ATTACHMENTS: |  |  | Roll Call | Aye | Nay |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Mayor <br> M__ <br> Council <br> M <br> M <br> M <br> M | $\qquad$ Jeffrey <br> il Member $\qquad$ Brubaker $\qquad$ Kimmons $\square$ Davis $\qquad$ Kyser | $\overline{\text { Passed }}$ |  |

Date of Issuance: 9/10/20
Owner: City of Moberly
Contractor: Willis Bros., Inc.
Engineer: Bartlett \& West
Project: Harrison Ave and Garfield Street Project

Effective Date: 9/10/20
Owner's Contract No.: 19254.020
Contractor's Project No.: 19254.020
Engineer's Project No.: 19254.020
Contract Name: Harrison Ave and Garfield Street Project

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

## Description:

Line item 14, Straight Back Curb \& Gutter (APWA CG-1): decrease quantity by 337 LF.
Line item 16, $15^{\prime \prime}$ HP Storm Pipe: increase quantity by 75 LF.
Line item 21, $4^{\prime} \times 4^{\prime}$ APWA Type II Curb Inlet: decrease quantity by 1 EA .
Line item 22, $3^{\prime} \times 2^{\prime}$ High Flow Grated Curb Inlet: increase quantity by 1 EA .
Line Item $23,15^{\prime \prime}$ CMP End Section: increase quantity by 1 EA.
Line item 24, Drain Basin with Dome Grate: increase quantity by 3 EA.
Line item 25. Insert-a-Tee (Pipe to Pipe Connections): increase quantity by 4 EA.
Line Item 27, $4^{\prime \prime}$ PCC Sidewalk: increase quantity by 25 SY .
Line Items 67, $6^{\prime \prime}$ C900 PR 235 PVC: increase quantity by 20 LF .
Line item 70, Abandon Existing Waterline: increase quantity by 1 EA.
Line item 71, Granular Surface and compaction: increase quantity by 11 SY .
Add line item 74, Additional Removals for Harrison \& Carpenter Drainage Extension, 1 LS, unit price of $\$ 950 /$ LS.

Attachments:
Harrison and Carpenter Additional Drainage

| CHANGE IN CONTRACT PRICE Original Contract Price: | CHANGE IN CONTRACT TIMES$\quad$ [note changes in Milestones if applicable]Original Contract Times:Substantial Completion: 180 daysReady for Final Payment: 210 days |
| :---: | :---: |
| \$ 1,235,917.00 |  |
|  | days or dates |
| [Increase] [Decrease] from previously approved Change Orders No. 1 to No. 2 _: $\qquad$ | [Increase] [Decrease] from previously approved Change Orders No. 1 to No. 1 : <br> Substantial Completion: 30 days |
| \$91,637.30 | Ready for Final Payment: 30 days |
|  | days |
| Contract Price prior to this Change Order: | Contract Times prior to this Change Order: Substantial Completion: 210 days |
| \$ 1,327,554.30 | Ready for Final Payment: $\mathbf{2 4 0 0}$ days |
|  | days or dates |
| [Decrease] of this Change Order: | [ Increase] of this Change Order: Substantial Completion: $\qquad$ N/A |
| \$-1,683.88 | Ready for Final Payment: N/A |
|  | days or dates |
| Contract Price incorporating this Change Order: | Contract Times with all approved Change Orders: <br> Substantial Completion: 210 days $\qquad$ |
| \$ 1,325,870.42 | Ready for Final Payment: $\mathbf{2 4 0}$ days |
|  | days or dates |

$\frac{\text { RECOMMENDED: }}{\text { Bocharais commitie }}$ ACCEPTED:
By: $\quad \frac{\text { Austin Johnson }}{\text { Engineer (if required) }}$

Title: Project Manager
By: Title

Date: 9/10/2020
Approved by Funding Agency (if applicable)
 By: Contractor (Authorized Signature) Title Date


By: Date:
Title: $\qquad$


Department: Public Works
Date: September 21, 2020

Agenda Item: Stop Sign request by a citizen to make the intersection of E. Logan and Gratz brown a four way stop.

Summary: Attached please find the traffic study that was done by the Moberly Police Department. The Police do not feel a stop sign is needed from the reports of traffic accidents at this intersection.

## Recommended

Action: Staff recommends no changes be made.
Fund Name: N/A
Account Number: N/A
Available Budget \$: N/A


## City of



| Police Department |  |
| :--- | :--- |
| Professínal, Proactive Polícing | 300 N Clark Street |
| Troy Link | Moberly, MO 65270 |
| Chief of Police | Phone: $660-263-0346$ |
| 264th Session FBI Academy | Fax: |

09-15-2020
RE: Traffic Control Change request for Gratz Brown and E Logan intersection
On 09-04-2020, I received an email from City of Moberly Administrative Assistant, Carla Beal stating a Todd Mallory called requesting a stop sign at Gratz Brown and E Logan, claiming there has been several accidents at this location. I called Mr. Mallory back and requested he provide a written request to change the present traffic control at Gratz Brown and E Logan. Mr. Mallory requested Gratz Brown and E Logan be changed to a four-way stop.

On 09-15-2020, I received a forwarded email from Tom Sanders showing Mr. Mallory made the request by email on September 4, 2020 to Tom Sanders. The email is attached.

The intersection of E Logan and Gratz Brown receives a heavy volume of traffic each day. E Logan between Meadowbrook Dr. and Gratz Brown is heavily used as a "cut through" for access to Gratz Brown, to and from East Rollins and access to US 63; additionally Gratz Brown connects to E Rollins as well. Students, teachers and busses further increase the traffic use when school is in session. Vehicles stopped on E Logan have good sight lines to view oncoming vehicles in both directions. A tree on the southwest corner of intersection at 916 E Logan does partially obstruct vehicles traveling northbound on Gratz Brown as they approach E Logan, but none of the accident reports lists the tree as obstructing the view of drivers at the intersection.

I checked on reported traffic accidents for E Logan and Gratz Brown going back to January of 2000. In total, I found 19 traffic accidents at this location. The most recent was on 07-09-2020 and one from 04-08-2019. Both of these involve vehicles on E Logan failing to yield the right of way to on-coming vehicles on Gratz Brown resulting in a collision. Officer A Paige, who investigated the accident on 07-09-2020, reported several neighbors in the area inquired why the intersection is not a four-way stop. I have not received any other inquiries or requests to change the traffic control at this location and am not aware of any traffic complaints or requests for enforcement for this location either.

Of the 19 accidents, 12 involve a driver on E Logan with a stop sign, either failing to stop for the stop sign or failing to yield the right of way to a vehicle on Gratz Brown after
stopping. Several reported they did not see the oncoming vehicle. One driver reported he thought the intersection was a four-way stop and expected the on-coming vehicle to stop.

Three accidents involved a vehicle stopping in the intersection and backing up striking a car behind them. One was avoiding an on-coming vehicle on Gratz Brown that turned in front of them. One was a bus passing a stopped vehicle while attempting to make a turn from Gratz Brown onto E Logan and struck the stopped car with the rear tire. One accident involved a vehicle sliding through the stop sign due to slick roads and into the path of the on-coming vehicle. One accident involved vehicles on E Logan, one eastbound and one westbound, one vehicle failed to signal and made a turn in front of the other when both entered the intersection at the same time.

Comparing the number of accidents at the location with the amount of daily traffic through this intersection, the accident rate is very low, on average, one accident per year. Changing the intersection to a four-way stop would create a backup of traffic on Gratz Brown, increasing congestion in the area as traffic slows, especially during the morning and afternoon traffic patterns.

The accident rate per year does not support changing the intersection to a four-way stop.
The number of accidents per year is as follows:

| $2020-1$ so far | $2009-0$ |
| :--- | :--- |
| $2019-1$ | $2008-1$ |
| $2018-0$ | $2007-0$ |
| $2017-1$ | $2006-1$ |
| $2016-2$ | $2005-0$ |
| $2015-1$ | $2004-1$ |
| $2014-1$ | $2003-1$ |
| $2013-0$ | $2002-0$ |
| $2012-2$ | $2001-1$ |
| $2011-4$ |  |
| $2010-1$ |  |

Respectfully;


Troy Link

Department: Public Utilities
Date: September 21, 2020

## Agenda Item: An Ordinance Amending Section 42-293 Relating to Sewers

Summary: The current City Code lacks specific authority to abate private sewer defects and charge the property owner for the repairs. Sewer defects in private laterals can cause damage to streets, alleys, and block sewer mains when the lateral or the lateral connection to the City main fails. This ordinance provides authority for the City to charge the customer in the event that the customer does not correct the defect.

## Recommended

Action: Move the Ordinance to the next Council Session for approval
Fund Name: N/A

Account Number: N/A
Available Budget \$: N/A


BILL NO: $\qquad$ ORDINANCE NO: $\qquad$

## AN ORDINANCE AMENDING SECTION 42-293 RELATING TO SEWERS.

Whereas, Section 42-293 of the Moberly City Code provides for penalties for violations of Chapter 42, Article IV, Sewers; and

Whereas, the existing penalty provisions are not adequate to remedy various violations of the Code related to sewers and city staff requires greater authority to repair sewer infrastructure when customers fail or refuse to do so; and

Whereas, city staff proposes that when customers fail and refuse to follow the code that the city be authorized to correct violations at the cost of the owner and the cost thereof constitute a lien against the owner's property.

## NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF MOBERLY, MISSOURI TO WIT:

SECTION ONE: Chapter 42, Article IV, Section 42-293 is hereby amended to read as follows:

Sec. 42-293. Violations and penalties.
Any person found to be violating any provisions of this article, except section 42-294, shall be served by the city with written notice stating the nature of the violation and providing a reasonable time limit for the satisfactory correction thereof. The offender shall, within the period of time stated in such notice, permanently cease all violation. If a person refuses to comply with the written notice the city shall have the right and authority to correct the violation at the cost of the owner and the cost thereof shall constitute a lien against the owner's property Any person who continues any violation beyond the time limit provided for in the notice shall, upon conviction, be guilty of a misdemeanor and shall become liable to the city for any expense, loss or damage occasioned the city by reason of such violation.

SECTION TWO: This ordinance shall be in full force and effect upon passage by the City Council.

PASSED AND ADOPTED by the Council of the City of Moberly, Missouri, this $\qquad$ day of $\qquad$ , 2020.

ATTEST:

