A G E N D A WORK SESSION MEETING City of Moberly February 22, 2022 6:00 PM

Requests, Ordinances, and Miscellaneous

- 1. A Discussion Regarding An On-Call Scope Of Services Agreement With BARR Engineering For Professional Services.
- 2. Receipt Of Bids For The 2022 Street Improvement (Restorative-CRF And Reclamite).
- 3. Receipt Of Bids For A Kubota UTV For Use By Oakland Cemetery And Street Department.
- 4. VFD Controller Equipment For The Athletic Complex Irrigation System.
- 5. Review of Permanent Sewer Easements on Route JJ.

WS #1.

City of Moberly City Council Agenda Summary

Agenda Number:
Department:

Public Utilities

Date: February 22, 2022

Agenda Item: A Discussion Regarding An On-Call Scope Of Services Agreement With BARR

Engineering For Professional Services.

Summary: The City of Moberly regulates Moberly stormwater management through a series of city ordinances. As part of an effort to partner with citizens during new and proposed

developments, the Utilities Department gathers data necessary for maintaining and improving Moberly's stormwater infrastructure.

Construction stormwater land disturbance and post-construction review and assistance

- MS4 programs, operations, and stormwater best management practices
- Wastewater and public drinking water operations and technical assistance
- Industrial pretreatment program assistance
- Application, renewal, and compliance with permits
- Negotiations and communications with government agencies
- Environmental remediation and compliance
- Engineering design
- Waste management

Barr will provide a separate scope of work for any on-call assistance that becomes a project. Barr assumes the City will provide written authorization, such as an e-mail, to authorize Barr to proceed with tasks under this scope of work. Tasks limited to \$5,000. If the project is to exceed that amount, a new and separate scope is to be approved.

Recommended Action: Direct staff to develop a resolution for approval at the next regular council meeting.

Fund Name: Public Utilities Operations as applied

Account Number: 301.115.5406

Available Budget \$: To be transferred from operating reserve fund.

ATTACHMENTS:		Roll Call	Aye	Nay
Memo Staff Report X Correspondence Bid Tabulation P/C Recommendation P/C Minutes Application	Council Minutes Proposed Ordinance Proposed Resolution Attorney's Report Petition Contract Budget Amendment	Mayor M S Jeffrey Council Member M S Brubaker M S Kimmons M S Davis	_ _	_
Citizen Consultant Report	Legal Notice Other	M S Kyser	Passed	Failed

October 15, 2021

Mr. Dana Ulmer
Director of Public Utilities
City of Moberly
101 West Reed Street
Moberly, MO 65270

Re: Scope and Budget for Professional Services

Dear Mr. Ulmer:

Thank you for the opportunity to provide this scope and budget for on-call professional services needed for the City of Moberly (City). We consider our Barr team members to be an extension of your staff and we look forward to serving you by providing on-call technical advisement and assistance. Outlined below is our understanding of the scope, budget, and schedule for these on-call services.

Scope

This scope of work includes on-call services that are not otherwise specifically covered by other active project tasks with Barr. The focus of this scope of work is to provide ongoing or as-needed technical assistance on a small scale per individual task(s) assigned by the City.

This scope of work may include, but is not limited to the following services:

- Construction stormwater land disturbance and post-construction review and assistance;
- MS4 programs, operations, and stormwater best management practices;
- Wastewater and public drinking water operations and technical assistance;
- Industrial pretreatment program assistance
- Application, renewal, and compliance with permits;
- · Negotiations and communications with government agencies;
- Environmental remediation and compliance;
- Engineering design; and
- Waste management.

The scope of work is intentionally broad to provide for assistance with unforeseen tasks, as directed by the City and as the time and materials budget allows.

Barr will provide a separate scope of work for any on-call assistance that becomes a project. Barr assumes the City will provide written authorization, such as an e-mail, to authorize Barr to proceed with tasks under this scope of work.

Schedule

This scope of work is intended to be used as needed for on-call services as agreed upon between Barr and the City. Should any task timelines be needed under this scope of work, Barr and the City will work together to develop schedule(s).

Budget and Invoicing for Services Provided

Tasks anticipated to cost more than \$1,000 will not be performed using this scope of work without prior notification to the City. On a task basis, Barr will not exceed \$5,000 without approval from the City. Barr will provide invoices for services provided to the City on an hourly basis, in accordance with Barr's standard hourly rates (see attached fee schedule). This scope of work is intended to be provided on an annual basis, and can be renewed annually, with the City's approval.

We appreciate the opportunity to propose on-call services, and we are enthusiastic about this opportunity to work with you. If you have any questions about this proposal, please contact Andrea Collier at 573-356-4423 (cell).

Sincerely,

BARR ENGINEERING COMPANY

Rob Morrison, P.E.

Vice President

Andrea D. Collier, P.E.

Senior Environmental Engineer



Fee Schedule—2021

Rev. 12/26/2020

Rate*
Description (U.S. dollars)

Principal	\$160-295
Consultant/Advisor	\$185-250
Engineer/Scientist/Specialist IV	\$155-180
Engineer/Scientist/Specialist III	\$125-150
Engineer/Scientist/Specialist II	\$95-120
Engineer/Scientist/Specialist I	\$65-90
Technician IV	\$155-180
Technician III	\$125-150
Technician II	\$95-120
Technician I	\$65-90
Support Personnel III	\$155-180
Support Personnel III	·
Support Personnel II	\$95-150
Support Personnel I	\$65-90

Rates for litigation support services will include a 30% surcharge.

A ten percent (10%) markup will be added to subcontracts for professional support and construction services to cover overhead and insurance surcharge expenses.

Invoices are payable within 30 days of the date of the invoice. Any amount not paid within 30 days shall bear interest from the date 10 days after the date of the invoice at a rate equal to the lesser of 18 percent per annum or the highest rate allowed by applicable law.

For travel destinations within the continental U.S. (CONUS) and Canada, meals will be reimbursed on a per diem basis. The per diem rate will be as published by the U.S. Internal Revenue Service (IRS) based on the High-Low method. Full day per diem rates will be pro-rated on travel days. For travel destinations outside the continental U.S. (CONUS) and Canada, meals will be reimbursed based on actual expenses incurred.

All other reimbursable expenses including, but not limited to, costs of transportation, lodging, parking, postage, shipping and incidental charges will be billed at actual reasonable cost. Mileage will be billed at the IRS-allowable rate.

Materials and supplies charges, printing charges, and equipment rental charges will be billed in accordance with Barr's standard rate schedules.

Principal category includes consultants, advisors, engineers, scientists, and specialists who are officers of the company.

Consultant/Advisor category includes experienced personnel in a variety of fields. These professionals typically have advanced background in their areas of practice and include engineers, engineering specialists, scientists, related technical professionals, and professionals in complementary service areas such as communications and public affairs.

Engineer/Scientist/Specialist categories include registered professionals and professionals in training (e.g. engineers, geologists, and landscape architects), and graduates of engineering and science degree programs.

Technician category includes CADD operators, construction observers, cost estimators, data management technicians, designers, drafters, engineering technicians, interns, safety technicians, surveyors, and water, air, and waste samplers.

Support Personnel category includes information management, project accounting, report production, word processing, and other project support personnel.

^{*}Rates do not include sales tax on services that may be required in some jurisdictions.

WS #2.

City of Moberly City Council Agenda Summary

Agenda Number: _ Department:

Public Works

Date: February 22, 2022

Agenda Item: Receipt of bids for the 2022 street improvement (Restorative-CRF and

Reclamite).

Summary: We advertised for bids for street improvements (restorative-CRF and

reclamite). Bids were opened February 15, 2022. Staff recommends accepting the bid from Corrective Asphalt Materials for the reclamite and

restorative-CRF.

Recommended

Action: Accept these bids.

Fund Name: Transportation Trust

Account Number: 601.000.5302

Available Budget \$: 122,906.61

ATTACHMENTS:		Roll Call	Aye	Nay
MemoStaff ReportCorrespondenceBid Tabulation	Council Minutes Proposed Ordinance Proposed Resolution Attorney's Report	Mayor M S Jeffrey Council Member		_
P/C Recommendation P/C Minutes Application Citizen Consultant Report	Petition Contract Budget Amendment Legal Notice Other	M S Brubaker M S Kimmons M S Davis M S Kyser	Passed	Failed

ADVERTISEMENT FOR BIDS

The City of Moberly, Missouri is requesting bids for the **2022 Street Improvements Project** including Reclamite and Restorative for various Streets within the City of Moberly.

Specifications and bid documents are available from the Director of Public Works office at Moberly City Hall, 101 West Reed Street, Moberly, MO 65270.

Please have your sealed bids marked "2022 Street Improvements" and to the office of the City Clerk at 101 W Reed St., Moberly, MO 65270 by February 15, 2022 at 10:00 a.m.

The City reserves the right to reject any or all bids. The City further reserves the right to waive any irregularities in any or all bids and reserves the right to determine which the most responsive, responsible bidder is and to reject or approve the bond. Work can begin immediately following approval, weather permitting.

SUBMITTED BY THOMAS E. SANDERS CITY OF MOBERLY DIRECTOR OF PUBLIC WORKS

PUBLISH ONE TIMES IN THE: WEEKEND EDITION, JANUARY 28-30, 2022 EDITION

2022 Street Improvements CITY OF MOBERLY

"BID OPENING"

Date: 3.15.2022

Courichus, asphiet, Matinals	Reclamite St. Sewsping \$ 1.35 ag yd St. Sewsping \$ 1.95 ag yd St. Sewsping	1-1.03 1.07 1.05
	\$	
	\$	
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City of

BID SHEET

Reclamite Seal*
Est. sq. yd.
50,000sq. yd.

Restorative Seal* Est. sq. yd. 20,000 sq. yd.

	1 /	rinety-fiv	re)	
Unit Price \$.95 (cents	~ <u>)</u> /sq. yd.	

\$0.03/sy Resident Notifications (Three Cents) \$0.05/sy Street Sweeping (Five Cents)

Unit Price \$

\$0.03/sy Resident Notifications (Three cents) \$0.07/sy Street Sweeping (Sevencents)

Company Name:	Corrective ASPAGIT Materials, L	_C
Signature:	11-1-101	

Reclamite SY \$0.95/sy CRF SY \$1.35/sy

Add for resident notification SY <u>\$0.03/sy REC & CRF</u>
Add for street sweeping SY <u>\$0.05/sy REC</u> \$0.07/sy CRF

Cooperative Procurement Agreement Provision

- 1. This section is optional, it will not affect bid award.
- 2. If the City of Moberly awards the bidder this proposed contract, would the bidder sell, under the terms of this contract to any municipality or county that is a political subdivision of the State of Missouri with the following terms and provisions?
 - Sales will be made in accordance with the prices, terms, and conditions of the Invitation for Bid and any subsequent term contract.
 - b. Reasonable provisions may be made for price due to geographical location of jurisdiction as agreed upon by the jurisdiction and bidder. Unit price adjustments will not exceed five percent of the bid prices.
 - c. There shall be no obligation under the cooperative procurement agreement for any jurisdiction to utilize the bid or contract unless they are specifically named in the Invitation for Bid as a joint bidder.
 - d. All sales to other jurisdictions will be made on purchase orders issued by that jurisdiction. All receiving, inspection, payments and other contract administration will be the responsibility of the ordering jurisdiction.

WS #3.

City of Moberly City Council Agenda Summary

Agenda Number: _ Department:

Public Works

Date: February 22, 2022

Agenda Item: Receipt of bids for a Kubota UTV for use by Oakland Cemetery and Street

Department.

Summary: We received 3 bids for the Kubota UTV. The lowest price was from the

federal contract. Attached are the 3 bids that were received.

Recommended

Action: Accept these bids.

Fund Name: Cemetery CIP/Street Improvement CIP

Account Number: 100.010.5502/601.000.5502

Available Budget \$: 9,575.00/9,000.00

ATTACHMENTS:		Roll Call	Aye	Nay
Memo Staff Report Correspondence x Bid Tabulation	Council Minutes Proposed Ordinance Proposed Resolution Attorney's Report	Mayor M S Jeffrey Council Member		_
P/C Recommendation P/C Minutes Application Citizen Consultant Report	Petition Contract Budget Amendment Legal Notice Other	M S Brubaker M S Kimmons M S Davis M S Kyser	Passed	Failed

Bid Tab		
COMPANY	PRICE	
Sourcewell (federal contract)	\$18,522.22	
Crown Power & Equipment	\$18,900.00	
Meyer Implement Company	\$19,500.00	

WS #3.

Source**wel** Utility Tractors & Mowers - 03112 CE and AG - 040319 Utility Vehicles 122220 Arkansas 4600041718 Delaware GSS-21673 Mississippi (CE Only) 8200056371 Mississippi 8200055841

RTV-X1100CWL-A WEB QUOTE #2277971 Date: 2/15/2022 8:58:51 AM -- Customer Information --GRIMSELY, TTIM CITY OF MOBERLY TIMG@CITYOFMOBERLY.COM 6602699450

Quote Provided By FARM & POWER - LAWN & LEISURE, INC. JASON LEWIS 1702 BUSINESS LOOP 70 E. COLUMBIA, MO 65201 email: JL10248241@GMAIL.COM phone: 5734421139

-- Custom Options --

-- Standard Features --



RTV-X1100CWL-A

* * * EQUIPMENT IN STANDARD MACHINE * * *

DIESEL ENGINE Model Kubota D1105 3 Cyl. 68.5 cu in +24.8 Gross Eng HP 75 Amp Alternator

TRANSMISSION

VHT-X

Variable Hydro Transmission Forward Speeds: Low 0 - 15 mph

High 0 - 25 mph Reverse 0 - 17 mph Limited-slip Front Differential

Rear differential lock

HYDRAULICS

Hydrostatic Power Steering with manual tilt-feature Hydraulic Cargo Dump Hydraulic Oil Cooler

FLUID CAPACITY Fuel Tank 7.9 gal

Cooling 8.3 qts Engine Oil 4.3 qts Transmission Oil 1.8 gal Brake Fluid 0.4 qts

CARGO BOX

Width 57.7in Length 40.5 in Depth 11.2 in Load Capacity 1102 lbs Vol. Capacity 15.2 cu ft

+ Manufacturer Estimate

KEY FEATURES

Factory Cab w/ A/C, Heater,

Defroster Fully opening roll-down door windows

Digital Multi-meter Speedometer

Pre-wired w/ speakers/antenna for stereo

Front Independent Adjustable Suspension

Rear Independent Adjustable

Suspension

Brakes - Front/Rear Wet Disc Rear Brake Lights / Front

Headlights

2" Hitch Receiver, Front and Rear Deluxe 60/40 split bench seats with driver's side seat adjustment Underseat Storage Compartments

Deluxe Front Guard

(radiator guard, bumper, and lens

quard)

SAFETY EQUIPMENT

SAE J2194 & OSHA 1928 ROPS

Hom

Dash-mounted Parking Brake Spark Arrestor Muffler

Retractable 2-point Seat Belts

DIMENSIONS

Width 63.2 in Height 79,5 in Length 120.3 in Wheelbase 80.5 in Tow Capacity 1300 lbs Ground Clearance 10.4 in Suspension Travel 8 in Turning Radius 13.1 ft

Factory Spray-on Bedliner

"L" Models Only

Bright Alloy Wheels (Silver-

painted)

Silver-painted with machined

surface "S" Models only

TIRES AND WHEELS ATV Tire 25 x 10 - 12, 6 ply

RTV-X1100CWL-A Base Price: \$22,349.00 Configured Price: \$22,349.00 Sourcewell Discount: (\$4,916.78)SUBTOTAL: \$17,432.22 Dealer Assembly: \$0.00 Freight Cost: \$690.00 PDI: \$400.00

> Total Unit Price: \$18,522.22 Quantity Ordered: Final Sales Price: \$18,522.22

Purchase Order Must Reflect the Final Sales Price

To order, place your Purchase Order directly with the quoting

^{*}All equipment specifications are as complete as possible as of the date on the quote. Additional attachments, options, or accessories may be added (or deleted) at the discounted price. All specifications and prices are subject to change. Taxes are not included. The PDI fees and freight for attachments and accessories quoted may have additional charges added by the delivering dealer. These charges will be billed separately. Prices for product quoted are good for 60 days from the date shown on the quote. All equipment as quoted is subject to availability

CROWN POWER & EQUIPMENT

510 Blees Industrial Drive

Misteria (MC)/6(6/6)6)2

660-395-1066

"Quote"

Malandle

CUSTOMER .

DATE 2/11/22

CUSTOMER:	Mobelly	
QTY.	EQUIPMENT DESCRIPTION	COST
1	New Kubota RTV-X1100CWL-A	
	Utility Vehicle, ATV tires, Bed liner,	\$18,900.00
	Orange, diesel.	7.0,000.00
	3-5month estimated lead time once	
	purchase is commited to.	
		·
	EQUIPMENT TOTAL	# 40,000,00
Trade Allowance	EQUI WENT TOTAL	\$18,900.00
Make		
Model		
Serial #		
Hours		
	TDANE DIECEDE	NOT
	TRADE DIFFERE	
	CASH PRICE	\$18,900.00
	9.00000/	

8.6000%

Financing Option

Rate

Term

Mth Pymt

TAXES

TOTAL WITH TAX

\$18,900.00

JW Wilson

573-819-9647

jwilson@crown-power.com

This quote is valid for thirty (30) days from the date above and is subject to any price increase and availability of equipment. We thank you for this opportunity to be of service and trust this proposal will receive your favorable consideration.

KUBOTA

RTV-X1100CW Factory A/C Cab Worksite Models

*** EQUIPMENT IN STANDARD MACHINE * * *

DIESEL ENGINE Model Kubota D1105 3 Cyl. 68.5 cu in +24.8 Gross Eng HP 75 Amp Alternator

TRANSMISSION VHT-X Variable Hydro Transmission Forward Speeds: Low 0 - 15 mph High 0 - 25 mph Reverse 0 - 17 mph Limited-slip Front Differential

HYDRAULICS
Hydrostatic Power Steering
with manual till-feature
Hydraulic Cargo Dump
Hydraulic Oll Cooler

Rear differential lock

+ Manufacturer Estimate

FLUID CAPACITY
Fuel Tank 7.9 gal
Cooling 8.3 qts
Engine Oil 4.3 qts
Transmission Oil 1.8 gal
Brake Fluid 0.4 qts

TIRES AND WHEELS ATV Tire 25 x 10 - 12, 6 ply Turf Tire 25 x 12 - 12, 4 ply Heavy Duty Worksite 25 x 10 - 12, 6 ply

DIMENSIONS
Width 63.2 in
Height 81.9 in
Length 120.3 in
Wheelbase 80.5 in
Tow Capacity 1300 lbs.
Ground Clearance 10.4 in
Suspension Travel 8 in
Turning Radius 13.1 ft,

Factory Spray-on Bedliner "L" Models Only

Bright Alloy Wheels Silver-painted with machined surface "S" Models only CARGO BOX Width 57.7in Length 40.5 in Depth 11.2 in Load Capacity 1102 lbs. Vol. Capacity 15.2 cu ft.

KEY FEATURES

Factory Cab w/ A/C, Heater, Defroster Fully opening roll-down door windows Digital Mulit-meter Speedometer Pre-wired w/ speakers/antenna for stereo Front Independent Adjustable Suspension Rear Independent Adjustable Suspension Brakes - Front/Rear Wet Disc Rear Brake Lights / Front Headlights 2" Hitch Receiver, Front and Rear Defuxe 60/40 split bench seats with driver's side seat adjustment Underseat Storage Compartments Deluxe Front Guard (radiator guard, bumper, and lens guard)

SAFETY EQUIPMENT SAE J2194 & OSHA 1928 ROPS Horn Dash-mounted Parking Brake Spark Arrestor Muffler Retractable 2-point Seat Belts

ORDER

FACTORY

TUX.

SUGGESTED LIST

WS #3.

Vermeer

McCORMICK /





John A. Hays · Manager MEYER IMPLEMENT CO.

926 Hwys. 24 & 36 East • Monroe City, MO 63456 Business: (573) 735-4546 · Home: (573) 735-4314

CITY OF MOBERLY 40 TIM GRIMSLEY MOBERLY, MO. 660-651-6878

TIMGO CITY OF MOBERLY, COM

KUBOTA RTV-X1100CWL-A 3CYL. DIESEL CAB AC/HEAT HYDRO, 4WD POWER STEERING HYD. DUMP ATU TIRES BED LINER

LESS CITY DISCOUNT \$ 3349 00 DELIVERED PLICE \$ 1950000

TIM, THIS IS ALL I CAN do, AS KUBOTA GAVE ME NO DISCOUPT. Thonks, John a. Hays

WS #4.

City of Moberly City Council Agenda Summary

Agenda Number: Department:

Parks and Recreation

Date: February 22, 2022

Agenda Item: VFD Controller Equipment for the Athletic Complex Irrigation System

Summary: Advertisement was made and one bid received for VFD equipment for the

Howard Hils Athletic Complex irrigation system. The bid was received from Central Turf and Irrigation in the amount of \$49,650.00. In addition to the newspaper, staff also sent bid specs to the Moberly Monitor Index, Deltek,

Inc., Construct Connect, and Dodge Construction Network.

By updating the current pump station to VFD, it will save on wear and tear on our 40 HP pump, give us constant water pressure in our irrigation lines (same concept as if we were using city water), taking away the danger of water hammer from air in the lines, and set the table so in the future we can run underground irrigation is available so we can zone areas and eliminate the need to run water reels in the future. In the short term, irrigation will be run to the infield of Red 1 prior to MACC's inaugural season. Please note this will come from the 2022/2023 Budget Year and will be budgeted for accordingly.

Recommended

Action: Direct staff to bring a Resolution to the March 7, 2022 meeting.

Fund Name: N/A

Account Number: N/A

Available Budget \$: N/A

ITACHMENTS:			Roll Call	Aye	Nay
Memo	Council Minutes	Mayor			
Staff Report	Proposed Ordinance	M S	Jeffrey		
Correspondence	Proposed Resolution	<u> </u>			
X Bid Tabulation	Attorney's Report	Council M	lember		
P/C Recommendation	Petition	M S	Brubaker		
P/C Minutes	Contract	м <u>—</u> s	Kimmons		
Application	Budget Amendment	M S	 Davis		
Citizen	Legal Notice	M S	Kyser		
Consultant Report	Other			Passed	Failed

City Accepting Bids

The City of Moberly, Missouri ("City"), is inviting bids from qualified vendors for the following project:

Variable Frequency Drive Pump Station Upgrade

Statement of Intent

The City intends to receive bids for a Variable Frequency Drive (VFD) pump station upgrade. Equipment features and materials are as follows and must be WaterTronics or equivalent.

Description:

- 1. UL Listed Industrial Control Panel
- 2. 5HP Submersible Motor 380-460V/3ph
- 3. Pump, Submersible Turbine, 5 HP
- 4. Pressure Maintenance Pump Column 2" Diameter Carbon Steel
- 5. Station Disconnect Switch 100A Fused
- 6. Variable Frequency Drive, 40HP, 380-480V/3ph
- 7. Motor Starter 460-575V/3Ph 5HP
- 8. Type 1 Sigma PLC Logic Controller
- 9. Power Phase Monitor Protection
- 10. VirtualVision III 7" Color LCD Touchscreen
- 11. Lighted HOA Switch
- 12. Standard Surge/Lightning Protection
- 13. Flow Signal Opto Coupler For Sharing Signal
- 14. Flow Sensor Opto Isolator
- 15. Remote Disable Relay 24 VAC/DC
- 16. Electrical Enclosure 75x24x16 STL/WHT Dead Front
- 17. Control Panel Leg Kit 6"H x 16"D
- 18. Operation and Maintenance Manual (English) Electronic Copy
- 19. Forced Air Cooling Fan and Filter
- 20. Pressure Transducer and Gauge Kit
- 21. Data Industrial Flow Sensor
- 22. Low Level Float Assembly
- 23. WaterVision Cloud 5 yr. Subscription

See specifications on above materials

Submittal of Bids

Bidders shall submit bids to:

Shannon Hance, City Clerk Moberly City Hall 101 West Reed Street Moberly, Missouri, 65270

Bids will be accepted until 10 a.m. on Friday, February 4, 2022.

Bids shall be submitted in a sealed envelope clearly marked with "Variable Frequency Drive Pump Station Upgrade," the bidders company name, and the date and time for bid opening clearly and legibly marked on the outside.

Bids may not be withdrawn for a period of Sixty (60) days after the date of bid opening without the express written consent of the City.

Bid Opening

All bids will be publicly opened and read aloud at 10 a.m. at City Hall on Friday, February 4, 2022.

Reservation of Rights: The City reserves the right to accept or reject any or all bids, to waive any technicalities in the Proposal process, to award any Proposal or portion of a Proposal which is deemed to be the best and/or most advantageous to the City of Moberly, and to make any investigations as are deemed necessary to determine the ability of a bidder to perform the Work. The City reserves the right to reject any or all materials if, in its judgment, the item reflects unsatisfactory workmanship, manufacturing, or shipping damages.

Questions

Any and all questions shall be directed to **Jacob Bunten** at **jbunten@cityofmoberly.com** or **660-263-4966.**



QUOTE

Page 1 of 1

	CUSTOMER NO.
	107981
******	ORDER NO.
	6576803-00
-	DATE
	01/20/22

INVOICE TOTAL 49650.00

E MANUFACTURER AT ITS DISCRETION, SMALL APPLY, CENTRAL REMEATION SUPPLY IMMES NO INDEP A PARTICULAR PURPOSE. CENTRAL MEMBATION SUPPLY SHALL NOT SE LIMBLE FOR AMY INCIREST.

1000 Kathryn St Nixa, MO 65714 Tel. 417-724-9696 Fax 417-724-1717 www.centraltis.com

BILL TO:

CENTRAL IRRIGATION QUOTE ACCT

SHIP TO: CENTRAL IRRIGATION QUOTE ACCT

ELMSFORD, NY 10523

ELMSFORD, NY 10523

REFERENCE / PO INSTRUCTIONS				SHIPVIA	TERM
CITY OF MOBERLY-R1				PICKUP	AS AGREED
PART NO	DESCRIPTION		UNIT PRICE	QUANTITY	TOTAL PRIC
2201071505Q001	WATERTRONICS PUMP CITY OF MOBERLY		42750.00	1	42750.00
80-000008	WATERVISION CLOUD VERIZON 4G W/ 5YR SUB		6900.00	1	6900.00
	50% DEPOSIT REQUIRED AT TIME OF ORDER				
	PRINT NAME:				
	SIGNED NAME:				
	DELIVERY ADDRESS:				
	DELIVERY ADDRESS:				
	SITE CONTACT NAME:				
	SITE CONTACT PHONE:				
			HERECONDER THE PROPERTY OF THE		
				OTAL	49650.0

Effective 3/4/21, Due to Current Industry Conditions, Quotes Valid for 14 Days Only.

Specifications:

1. UL Listed – Industrial Control Panel

a. The station Electrical Control Panel shall be UL listed and meet or exceed UL508A specifications for safety of industrial control panels. Panel shall be assembled and tested in UL508A certified panel shop.

2. 5HP Submersible Motor - 380-460V/3ph

a. A 5HP high efficiency submersible motor shall be provided. The motor shall be inverter duty rated, class F windings, and shall be fully sealed with stainless steel splined output shaft.

3. Pump, Submersible Turbine, 5HP

a. A 5HP Submersible Turbine pump shall be provided. The pump shall consist of one or more stages and be designed for maximum performance and efficiency. Bowls shall be made of cast iron or stainless steel. Impellers shall be investment cast stainless steel.

4. Pressure Maintenance Pump Column – 2" Diameter – Carbon Steel

a. A 2 inch diameter pressure maintenance pump column pipe shall be provided. The column pipe shall be fabricated from A53, Grade B schedule 40 Carbon Steel. A butterfly valve and check valve shall be provided on the outlet of the column pipe assembly.

5. Station Disconnect Switch - 100A Fused

a. A 3-pole 100 amp maximum Fused UL listed main disconnect switch shall be provided. The disconnect switch shall include an operating handle mounted in the main electrical panel door that shall open all ungrounded conductors of the service entrance to the panel. The disconnect switch shall be mechanically interlocked to prevent access while the operating handle is in the ON position. The station disconnect switch shall applicable NED and UL508A requirements.

6. Variable Frequency Drive, 40HP, 380-480V/3ph

a. A high efficiency industrial grade 40HP variable frequency drive shall be provided. The VFD shall be specifically designed for water pumping applications and include a graphical control interface keypad. All internal printed circuit boards shall be conformal coated for long service life.

7. Motor Starter - 460-575V/3Ph - 5HP

a. A 460-575VAC/3Ph – 5HP industrial grade Motor Starter shall be provided. The motor starter shall provide integrated switching, thermal and current overload protection per NEC article 430 safety requirements. The switching contacts shall be rated for a minimum of 200,000 cycles under full load conditions.

8. Type 1 – Sigma PLC Logic Controller

a. The electronic control system shall be an industrial grade PLC with a color touch screen operator interface device and custom programming written specifically for this project. Control logic shall be based on redundant design and interlocking of control deices for maximum safety and proper sequence of operation. In addition to diagnostic functionality available through the touchscreen display, the PLC controller shall also have diagnostic LEDs for monitoring status of discrete inputs and outputs. The PLC shall contain RS232 and RS485 communication ports for

monitoring and programming purposes and shall contain an EEPROM, battery backed RAM and non-volatile memory for storage of critical configuration data. The PLC will have a high-speed counter, clock and calendar function with year, month, day, hour, minute, and day of week.

9. Power - Phase Monitor Protection

a. An advanced microprocessor-based Power Phase Monitoring system shall be provided to protect the pump system from equipment failure due to power faults occurring on the incoming electrical service to the pump station. The monitor shall actively monitor for phase loss, phase reversal, phase unbalance, under voltage and overvoltage conditions. In the event that one or more of these conditions occur, the Phase Monitor shall signal the PLC logic controller to shut down the pump system preventing damage to pump system components. The phase monitor fault limits and time to trip shall be adjustable. A status LED shall indicate the fault type causing the shutdown event.

10. VirtualVision III - 7" Color LCD Touchscreen

a. An industrial grade 7" WVGA (800x480) Wide Color TFT LCD touchscreen user interface display shall be provided featuring: Digital flow (GPM) and pressure (PSI) display, both cumulative and resettable gallons pumped indicators, pump ready/running status with elapsed run time display per pump, flow-based pressure regulation to match discharge pressure with irrigation demand, individual motor overload reporting, minute-by-minute data logging saved to a removable flash RAM card, 32MB card to store approximately 12 months of data, historic and real time X-Y plotting of pump station operation, filter controls, alarm log file, ability to change system parameters such as setpoint pressure, time delays, fertigation graphic and control interface when sold with a WaterTronics (or equivalent) EZ Feed Injection Package. Life of the display shall be 50,000 hours. The display software shall be configured for the pump station features.

11. Lighted HOA Switch

a. A lighted switch actuator shall be provided which shall be illuminated GREEN whenever the controlled item is active. One required per switch.

12. Standard Surge/Lightning Protection

a. A standard 40kA max impulse current rated surge protective device shall be provided on the incoming power connections to the station. The SPD shall utilize high-energy solid-state suppression circuitry to effectively protect electrical equipment from severe electrical disturbances. Diagnostic LEDs shall be provided on the provided on the device to indicate operational status of the device when powered.

13. Flow Signal Opto Coupler – For Sharing Signal

a. An optical coupling device shall be provided for sharing of pump station flow signal with external customer control systems. The opto-coupler is rated for 3-30VDC (24VDC) nominal supply from customer control system and shall provide a minimum of 2500V isolation between station control system and external systems.

14. Flow Sensor Opto Isolator

a. An optical isolation device shall be provided for isolating OFF SKID station flow sensor from the control system. The optical isolator shall effectively improve flow signal quality and eliminate interference, ground loops and other signal disturbances from entering station control electronics.

15. Remote Display Relay - 24VAC/DC

a. A 24VAC/DC remote disable relay input shall be provided. The remote display relay shall effectively disable the pump station when the remote start relay coil is supplied 24VAC/DC power from an irrigation controller or other external power source provided by customer. If the station is removed from the relay, the station will return to normal operation.

16. Electrical Enclosure – 75x24x16 STL/WHT Dead Front

a. Dead Front heavy duty industrial grade 75Hx24Wx16D UL Listed, NEMA 4 outdoor rated enclosure shall be provided to protect electrical control system components. The enclosure shall be custom build to WaterTronics (or equivalent) specifications specifically for water pumping applications and shall be fabricated of no less than 12GA carbon steel and finished on all inside and outside surfaces in polyester based white powder coat finish for maximum durability. The enclosure shall be provided with heavy duty integral hinges with lift off doors, heavy duty key lockable door handles, continuously welded seams, mechanical interlocks, and drip shield. Electrical controls shall be mounted on internal dead front panels not accessible without unlocking out enclosure doors. The electrical component back panel shall be galvanized steel for superior EMC performance.

17. Control Panel Leg Kit – 6"H x 16"D

a. A 6" high heavy duty control panel leg kit shall be provided. Legs shall be fabricated from 3/8" thich A36 hot rolled steel plate and painted to match the control panel enclosure color. The leg kit shall be designed for a 16" deep enclosure.

18. Operation & Maintenance Manual (English) – Electronic Copy

- a. A detailed operation and maintenance manual shall be provided detailing basic system operation, alarms, general maintenance procedures and use of the operator interface. The manual shall be in English and provided in electronic.
- 19. Forced Air Cooling Fan & Filter
- 20. Pressure Transducer and Gauge Kit
- 21. Data Industrial Flow Sensor
- 22. Low Level Float Assembly
- 23. WaterVision Cloud 5 yr. Subscription
 - a. WaterVision Cloud 4G/LTE CELLULAR remote pump system monitoring package shall be provided. The system includes all hardware, software and 5 YEAR SUBSCRIPTION for connection of a single pump station to the WaterVision Cloud Network via a cellular connection. The system shall allow customer to remotely monitor the pump station and the customer's other WaterVision Cloud enabled pump stations on the same property or multiple properties at any time from a cell phone, tablet, PC or other web based device. The system shall also allow control of the pump station enable/disable and reset of alarms. The communication hardware

will accept up to eight additional CHOICE CARD inputs The WaterVision Cloud system is also expandable through connection of additional WaterVision Cloud enabled pump systems.

CITY OF MOBERLY

"BID OPENING"

Date: <u>2/4/2022</u>, 10 AM

Central Turfilmgation Supply	VI	\$ 49,650
		\$
		\$
		\$
		\$
	_	\$
	-	\$
	_	\$
		\$
		\$
		\$
		\$
		\$
	25	\$

WS #5.

City of Moberly City Council Agenda Summary

Agenda Number:
Department: Administration
Date: February 22, 2022

Agenda Item: Review of Permanent Sewer Easements on Route JJ.

Summary: The City of Moberly acquired two properties located adjacent to the golf

course which are titled in the city's name. The city sewer project along Route JJ will connect sewer to three permitted facilities and any other residents along the route. The original plan of having the force main along Route JJ in the MODOT ROW was not allowed and an easement of adjoining property owners was required. These two attached easements are on city property and require a designated easement for the force main as depicted in the exhibit.

Recommended Action

Direct staff to bring to the March 7th Council meeting for final approval

Fund Name: N/A

Account Number: N/A

Available Budget \$: N/A

ATTACHMENTS:		Roll Call	Aye	Nay
Memo Staff Report Correspondence Bid Tabulation	Council Minutes Proposed Ordinance Proposed Resolution Attorney's Report	Mayor M SJeffrey Council Member		
P/C Recommendation P/C Minutes Application Citizen Consultant Report	Petition Contract Budget Amendment Legal Notice x Other	M S Brubaker M S Kimmons M S Davis M S Kyser		Failed

1.	Title: PERMANENT SEWER EASEMENT
2.	Date:
3.	Grantor: City of Moberly, Missouri
4.	Grantee: City of Moberly, Missouri
5.	Mailing Address of Grantee: 101 West Reed Street, Moberly, MO 65270
6 .	Legal Description:

A TRACT OF LAND LOCATED IN THE SOUTHWEST QUARTER OF SECTION 33, TOWNSHIP 54 NORTH, RANGE 14 WEST, RANDOLPH COUNTY, MISSOURI AND BEING PART OF THE LAND DESCRIBED IN THE QUIT-CLAIM DEED RECORDED IN BOOK 916, PAGE 2633 AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

A STRIP OF LAND BEING 16.0 FEET WIDE AT THE NORTHEAST CORNER OF SAID TRACT AND GRADUALLY WIDENING IN UNIFORM WIDTH TO 25.0 FEET WIDE AT THE NORTHWEST CORNER OF SAID TRACT; SAID STRIP INTENDED TO BE ADJACENT TO THE SOUTH RIGHT OF WAY OF STATE ROUTE JJ AND CONTAINS 3,290 SQUARE FEET.

PERMANENT SEWER LINE EASEMENT

KNOW ALL MEN BY THESE PRESENTS:

THAT, City of Moberly, a political subdivision of the State of Misosuri, hereinafter called the Grantor, for and in consideration of one dollar and other good and valuable consideration, the receipt of which is hereby acknowledged, does hereby grant, sell and convey unto the City of Moberly, Missouri, a municipal corporation of the State of Missouri, hereafter called Grantee, a permanent easement or right of way for the location, construction, reconstruction, maintenance, removal, operation and repair of a sewer line or forcemain extension, and any and all appurtenances incidental thereto on, over, under and through the following described tract of land lying, being and situated in the City of Moberly, Randolph County, Missouri, to-wit:

A TRACT OF LAND LOCATED IN THE SOUTHWEST QUARTER OF SECTION 33, TOWNSHIP 54 NORTH, RANGE 14 WEST, RANDOLPH COUNTY, MISSOURI AND BEING PART OF THE LAND DESCRIBED IN THE QUIT-CLAIM DEED RECORDED IN BOOK 916, PAGE 2633 AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

A STRIP OF LAND BEING 16.0 FEET WIDE AT THE NORTHEAST CORNER OF SAID TRACT AND GRADUALLY WIDENING IN UNIFORM WIDTH TO 25.0 FEET WIDE AT THE NORTHWEST CORNER OF SAID TRACT; SAID STRIP INTENDED TO BE ADJACENT TO THE SOUTH RIGHT OF WAY OF STATE ROUTE JJ AND CONTAINS 3,290 SQUARE FEET.

TO HAVE AND TO HOLD the same for the aforesaid use with all rights, privileges, appurtenances, and immunities thereto belonging unto the Grantee, its successors and assigns for so long as said use shall continue, the Grantor hereby covenanting for its heirs and successors and assigns unto the Grantee, its successors and assigns the following:

- 1. Said easement will be kept free from buildings and any other structures or obstructions which will interfere with the Grantee in using said land for the purpose of erecting, constructing, reconstructing, operating, repairing, and maintaining said sewer line or forcemain extension and appurtenances.
- 2. The right of Grantee, its agents, servants, employees, or independent contractor to go upon said land, and so much of the Grantor's adjoining land as may be reasonably necessary, at any time for the purpose of erecting, constructing, reconstructing, operating, removing, replacing, repairing, or maintaining said sewer line or forcemain extension and all appurtenances incidental thereto.
- 3. That Grantor is lawfully seized and possessed of the real estate above described, that they have a good and lawful right to convey the same; that it is free from all encumbrances done or suffered by them which would interfere with the rights granted hereunder; and that they will forever warrant and defend the title thereto against the lawful claims of all affecting the right and easement granted hereunder.

	of erecting, constructing, reconstructing, operating, g said sewer line and once Grantee ceases such use this
IN WITNESS WHEREOF, said Grantor does he foregoing, this day of	ereunder set his hand and subscribe his name to the , 2022.
CITY OF MOBERLY, MISSOURI, Grantee	Grantors
By: Brian Crane, City Manager	By:, Mayor
ATTEST:Shannon Hance, City Clerk	ATTEST:, City Clerk
STATE OF MISSOURI)	R'S ACKNOWLEDGMENT
appeared, to say that she/he is the Mayor of	022, before me, the undersigned Notary Public, personally o me personally known, who by me being duly sworn, did, a Missouri Corporation and that said instrument ner/his by said corporation and acknowledged that she/he
IN WITNESS WHEREOF, I have hereunto set r Randolph County, Missouri, the day and year	my hand and affixed my notarial seal at my office in r last above written.
	Notary Public
My commission expires	_

Grantee may exercise the rights granted under this instrument so long as Grantee utilizes the

4.

GRANTEE'S ACKNOWLEDGMENT

STATE OF MISSO	URI)	
)	
COUNTY OF RAN	DOLPH)	
On this	day of	, 2022, before me, the undersigned Notary Public,
personally appea	red Brian Crane, to	me personally known, who being by me duly sworn, did say he is
the City Manager	of the City of Mob	erly, Missouri, a municipal corporation, and that said instrument
was signed and s	ealed on behalf of s	said corporation by authority of its City Council, and the said Brian
Crane acknowled	lged said instrumen	t to be the free act and deed of said corporation.
IN WITNESS WHE	REOF, I have hereu	nto set my hand and affixed my Notarial Seal at my office in
Randolph County	, Missouri, the day	and year last above written.
		Notes - Dublis
		Notary Public
My commission e	expires:	

1.	Title: PERMANENT SEWER EASEMENT
2.	Date:
3.	Grantor: City of Moberly, Missouri
4.	Grantee: City of Moberly, Missouri
5.	Mailing Address of Grantee: 101 West Reed Street, Moberly, MO 65270
5 .	Legal Description:

A TRACT OF LAND LOCATED IN THE SOUTHWEST QUARTER OF SECTION 33, TOWNSHIP 54 NORTH, RANGE 14 WEST, RANDOLPH COUNTY, MISSOURI AND BEING PART OF THE LAND DESCRIBED IN THE WARRANTY DEED RECORDED IN BOOK 915, PAGE 1239 AND BEING

THE NORTH 15.00 FEET OF THE ABOVE-DESCRIBED TRACT, SAID STRIP BEING 15.00 FEET PARALLEL AND ADJACENT TO THE SOUTH RIGHT OF WAY LINE OF STATE ROUTE JJ.

MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THIS STRIP CONTAINS APPROXIMATELY 3,470 SQUARE FEET.

PERMANENT SEWER LINE EASEMENT

KNOW ALL MEN BY THESE PRESENTS:

THAT, City of Moberly, a political subdivision of the State of Missouri, hereinafter called the Grantor, for and in consideration of one dollar and other good and valuable consideration, the receipt of which is hereby acknowledged, does hereby grant, sell and convey unto the City of Moberly, Missouri, a municipal corporation of the State of Missouri, hereafter called Grantee, a permanent easement or right of way for the location, construction, reconstruction, maintenance, removal, operation and repair of a sewer line or forcemain extension, and any and all appurtenances incidental thereto on, over, under and through the following described tract of land lying, being and situated in the City of Moberly, Randolph County, Missouri, to-wit:

A TRACT OF LAND LOCATED IN THE SOUTHWEST QUARTER OF SECTION 33, TOWNSHIP 54 NORTH, RANGE 14 WEST, RANDOLPH COUNTY, MISSOURI AND BEING PART OF THE LAND DESCRIBED IN THE WARRANTY DEED RECORDED IN BOOK 915, PAGE 1239 AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THE NORTH 15.00 FEET OF THE ABOVE-DESCRIBED TRACT, SAID STRIP BEING 15.00 FEET PARALLEL AND ADJACENT TO THE SOUTH RIGHT OF WAY LINE OF STATE ROUTE JJ. THIS STRIP CONTAINS APPROXIMATELY 3,470 SQUARE FEET

TO HAVE AND TO HOLD the same for the aforesaid use with all rights, privileges, appurtenances, and immunities thereto belonging unto the Grantee, its successors and assigns for so long as said use shall continue, the Grantor hereby covenanting for its heirs and successors and assigns unto the Grantee, its successors and assigns the following:

- 1. Said easement will be kept free from buildings and any other structures or obstructions which will interfere with the Grantee in using said land for the purpose of erecting, constructing, reconstructing, operating, repairing, and maintaining said sewer line or forcemain extension and appurtenances.
- 2. The right of Grantee, its agents, servants, employees, or independent contractor to go upon said land, and so much of the Grantor's adjoining land as may be reasonably necessary, at any time for the purpose of erecting, constructing, reconstructing, operating, removing, replacing, repairing, or maintaining said sewer line or forcemain extension and all appurtenances incidental thereto.
- 3. That Grantor is lawfully seized and possessed of the real estate above described, that they have a good and lawful right to convey the same; that it is free from all encumbrances done or suffered by them which would interfere with the rights granted hereunder; and that they will forever warrant and defend the title thereto against the lawful claims of all affecting the right and easement granted hereunder.

	of erecting, constructing, reconstructing, operating, said sewer line and once Grantee ceases such use this
IN WITNESS WHEREOF, said Grantor does he foregoing, this day of,	reunder set his hand and subscribe his name to the 2022.
CITY OF MOBERLY, MISSOURI, Grantee	City of Moberly, Grantors
By: Brian Crane, City Manager	By:, Mayor
ATTEST:Shannon Hance, City Clerk	ATTEST:, City Clerk
GRANTOF	R'S ACKNOWLEDGMENT
appeared, to say that he is the Mayor of	022, before me, the undersigned Notary Public, personally me personally known, who by me being duly sworn, did, a Missouri Corporation and that said instrument by said corporation and acknowledged that he executed
IN WITNESS WHEREOF, I have hereunto set m Randolph County, Missouri, the day and year	ny hand and affixed my notarial seal at my office in last above written.
	Notary Public
My commission expires	_

Grantee may exercise the rights granted under this instrument so long as Grantee utilizes the

4.

GRANTEE'S ACKNOWLEDGMENT

STATE OF MISSO	juri)	
)	
COUNTY OF RAN	IDOLPH)	
On this	day of	, 2022, before me, the undersigned Notary Public,
		ne personally known, who being by me duly sworn, did say he is
the City Manage	r of the City of Mober	ly, Missouri, a municipal corporation, and that said instrument
was signed and s	sealed on behalf of sai	d corporation by authority of its City Council, and the said Brian
Crane acknowled	dged said instrument t	to be the free act and deed of said corporation.
IN WITNESS WH	EREOF, I have hereunt	to set my hand and affixed my Notarial Seal at my office in
Randolph Count	y, Missouri, the day ar	nd year last above written.
		Notary Public
My commission	expires:	