



City of Broken Arrow
Meeting Agenda
Broken Arrow Municipal Authority

Chairperson Craig Thurmond
Vice Chair Scott Eudey
Trustee Mike Lester
Trustee Johnnie Parks
Trustee Debra Wimpee

Tuesday, January 16, 2018

Council Chambers

TIME: Immediately following the City Council Meeting which begins at 6:30 p.m.

1. Call to Order

2. Roll Call

3. Consideration of Consent Agenda

- A. [18-95](#) Approval of Broken Arrow Municipal Authority Meeting Minutes of January 2, 2018
- Attachments:** [1-2-2018 BAMA Minutes](#)
- B. [18-92](#) Approval of Broken Arrow Municipal Authority Meeting Minutes of December 19, 2017
- Attachments:** [12-19-2017 BAMA Minutes](#)
- C. [18-136](#) Acknowledgement of submittal of the Broken Arrow Municipal Authority's Water Supply Report for the month of December 2017
- Attachments:** [Total Water Report-Dec 2017](#)
- D. [18-177](#) Acknowledgement of Oklahoma Department of Environmental Quality's Closure of Consent Order No. 15-245
- Attachments:** [ODEQ Consent Order 15-245](#)
- E. [18-178](#) Acknowledgement of Oklahoma Department of Environmental Quality's Closure of Notice of Violation No. S-20409-17-1
- Attachments:** [ODEQ NOV S-20409-17-1](#)
- F. [18-172](#) Approval of and authorization to execute Amendment No. 1 to an Agreement for Professional Consultant Services with Tetra Tech, Inc., for design of Digester Rehabilitation at the Lynn Lane Wastewater Treatment Plant
- Attachments:** [170116 Amend No 1](#)

- G. [18-145](#) Approval of bids received and award the most advantageous bid to BrownCo Manufacturing for the purchase of two trailer mounted air compressors for the Storm Water Division and the Utilites Department

Attachments: [18.145 air compressor water and stormwater](#)

- H. [18-171](#) Award of the lowest responsible bid to Crossland Heavy Contractors, Inc., and approval of and authorization to execute a construction contract for Lynn Lane Wastewater Treatment Plant Belt Filter Press Feed Pumps and Belt Filter Press Flow Meters (Project No. 185418)

Attachments: [Certified Bid Tabulation](#)

- I. [18-168](#) Award the most advantageous bid to Key Equipment for the purchase of one (1) 2018 Ford transit van equipped with closed circuit sewer pipe inspection camera equipment for the sewer division for inspecting sewer main lines

Attachments: [Bid Tab 18.138 CCTV van](#)

- J. [18-8](#) Approval of the Broken Arrow Municipal Authority Claims List for January 16, 2018

Attachments: [01-16-18 BAMA CL](#)

4. Consideration of Items Removed from Consent Agenda

5. Public Hearings, Appeals, Presentations, Recognitions, Awards

6. General Authority Business - NONE

7. Executive Session - NONE

8. Adjournment

NOTICE:

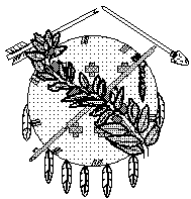
If you wish to speak at this evening's meeting, please fill out a "Request to Speak" form. The forms are available from the City Clerk's table or at the entrance door. Please turn in your form prior to the start of the meeting. Topics are limited to items on the currently posted agenda, or relevant business.

All cell phones and pagers must be turned OFF or operated SILENTLY during meetings.

Exhibits, petitions, pictures, etc., shall be received and deposited in case files to be kept at the Broken Arrow City Hall. If you are a person with a disability and need some accommodation in order to participate in this meeting, please contact the City Clerk at 918-259-2400 Ext. 5418 to make arrangements.

POSTED this ____ day of _____, _____, at _____
a.m./p.m.

City Clerk



City of Broken Arrow

Fact Sheet

File #: 18-95, Version: 1

Broken Arrow Municipal Authority

Meeting of: January 16, 2018

To: Chairman and Authority Members

From: Office of the City Clerk

Title: Approval of Broken Arrow Municipal Authority Meeting Minutes of January 2, 2018

Background: Minutes recorded for the Broken Arrow Municipal Authority meeting.

Cost: \$0

Prepared By: Lisa Blackford, City Clerk

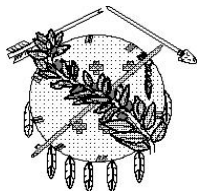
Reviewed By: Russell Gale, Assistant City Manager of Administration

Beth Anne Childs, City Attorney

Approved By: Michael L. Spurgeon, City Manager

Attachments: Broken Arrow Municipal Authority minutes of January 2, 2018

Recommendation: Approval of the minutes of January 2, 2018 for the Broken Arrow Municipal Authority meeting



City of Broken Arrow
Minutes
Broken Arrow Municipal Authority

City Hall
220 S 1st Street
Broken Arrow OK
74012

Chairperson Craig Thurmond
Vice Chair Scott Eudey
Trustee Mike Lester
Trustee Johnnie Parks
Trustee Debra Wimpee

Tuesday, January 2, 2018

Council Chambers

1. Call to Order

Chairman Craig Thurmond called the meeting to order at approximately 7:03 p.m.

2. Roll Call

Present: 5 - Debra Wimpee, Johnnie Parks, Mike Lester, Scott Eudey, Craig Thurmond

3. Consideration of Consent Agenda

Chairman Thurmond asked if there were any items to remove from the Consent Agenda. There were none.

MOTION: A motion was made by Mike Lester, seconded by Debra Wimpee.

Move to approve the Consent Agenda

The motion carried by the following vote:

Aye: 5 - Debra Wimpee, Johnnie Parks, Mike Lester, Scott Eudey, Craig Thurmond

A. 18-119 **Approval of and authorization to execute Professional Consultant Agreement with Engineering, Compliance, and Construction, Inc. (ECCI) for Tank Replacement Design Services for the Water Treatment Plant Caustic CIP Tank (Project No. 185436)**

B. 18-5 **Approval of the Broken Arrow Municipal Authority Claims List for January 02, 2018**

4. Consideration of Items Removed from Consent Agenda

There were no items removed from the Consent Agenda. No action was required or taken.

5. Public Hearings, Appeals, Presentations, Recognitions, Awards

There were no Public Hearings, Appeals, Presentations, Recognitions, or Awards.

6. General Authority Business

There was no General Authority Business.

7. Executive Session

There was no Executive Session.

8. Adjournment

The meeting adjourned at approximately 7:04 p.m.

MOTION: A motion was made by Mike Lester, seconded by Scott Eudey.

Move to adjourn

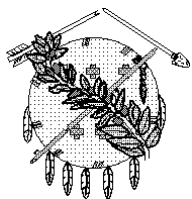
The motion carried by the following vote:

Aye: 5 - Debra Wimpee, Johnnie Parks, Mike Lester, Scott Eudey, Craig Thurmond

Attest:

Chairman

Secretary



City of Broken Arrow

Fact Sheet

File #: 18-92, Version: 1

**Broken Arrow Municipal Authority
Meeting of: January 16, 2018**

To: Chairman and Authority Members
From: Office of the City Clerk
Title: Approval of Broken Arrow Municipal Authority Meeting Minutes of December 19, 2017

Background: Minutes recorded for the Broken Arrow Municipal Authority meeting.

Cost: \$0

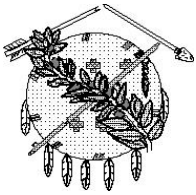
Prepared By: Lisa Blackford, City Clerk

Reviewed By: Russell Gale, Assistant City Manager of Administration
Beth Anne Childs, City Attorney

Approved By: Michael L. Spurgeon, City Manager

Attachments: Broken Arrow Municipal Authority minutes of December 19, 2017

Recommendation: Approval of the minutes of December 19, 2017 for the Broken Arrow Municipal Authority meeting



City of Broken Arrow
Minutes
Broken Arrow Municipal Authority

City Hall
220 S 1st Street
Broken Arrow OK
74012

Chairperson Craig Thurmond
Vice Chair Scott Eudey
Trustee Mike Lester
Trustee Johnnie Parks
Trustee Debra Wimpee

Tuesday, December 19, 2017

Council Chambers

1. Call to Order

Chairman Craig Thurmond called the meeting to order at approximately 7:44 p.m.

2. Roll Call

Present: 5 - Debra Wimpee, Johnnie Parks, Mike Lester, Scott Eudey, Craig Thurmond

3. Consideration of Consent Agenda

Chairman Thurmond asked if there were any items to remove from the Consent Agenda. There were none.

MOTION: A motion was made by Mike Lester, seconded by Johnnie Parks.

Move to approve the Consent Agenda

The motion carried by the following vote:

Aye: 5 - Debra Wimpee, Johnnie Parks, Mike Lester, Scott Eudey, Craig Thurmond

- A. 17-1717** Approval of Broken Arrow Municipal Authority Meeting Minutes of December 5, 2017
- B. 17-2974** Acknowledgement of submittal of the Broken Arrow Municipal Authority's Water Supply Report for the month of November 2017
- C. 17-2993** Approval of and authorization to execute a Professional Services Contract with ADG, P.C., for Broken Arrow Facilities Assessment (Project No. 185101)
- D. 17-2957** Award of the lowest responsible bid to Prime Controls, LP and approval of and authorization to execute a construction contract for a City Wide SCADA (Supervisory Control and Data Acquisition) system
- E. 16-1603** Approval of the Broken Arrow Municipal Authority Claims List for December 19, 2017

4. Consideration of Items Removed from Consent Agenda

There were no items removed from the Consent Agenda. No action was required or taken.

5. Public Hearings, Appeals, Presentations, Recognitions, Awards

There were no Public Hearings, Appeals, Presentations, Recognitions, or Awards.

6. General Authority Business

- A. 17-3014** Consideration and possible approval of Resolution Number 1077; a resolution authorizing a loan from the Oklahoma Water Resources Board in the principal amount of \$2,100,000; Authorizing the issuance of a Series 2017 Clean Water State Revolving Fund (SRF) Promissory Note in the principal amount of said loan; Approving and authorizing the execution of a loan agreement for Clean Water SRF Loan and a security

agreement pertaining to said promissory note; Designating a local Trustee; Ratifying and confirming a lease agreement and operation and maintenance contract and a security agreement with the City of Broken Arrow; Approving and authorizing payment of fees and expenses; Approving various covenants and authorizing execution of other documents pertaining to said loans and containing other provisions relating thereto

Acting Finance Director Tom Cook stated on October 3, 2017 the authority authorized the application to the Oklahoma Resources Board for a Clean Water State Revolving Fund Loan in an amount not to exceed \$2.1 million dollars for the cost associated with the automated meter reading phase 2. He reported on the morning of December 19, 2017 Kenny Schwab, Robin Tai with the Finance Department and Ben Oglesby with Municipal Finance attended the OWRB Meeting and approved the loan; Resolution No. 1077 authorized the acceptance of the loan and the closing procedures.

MOTION: A motion was made by Johnnie Parks, seconded by Mike Lester.

Move to approve Resolution No. 1077 and authorize its execution

The motion carried by the following vote:

Aye: 5 - Debra Wimpee, Johnnie Parks, Mike Lester, Scott Eudey, Craig Thurmond

7. Executive Session

There was no Executive Session.

8. Adjournment

The meeting adjourned at approximately 7:46 p.m.

MOTION: A motion was made by Johnnie Parks, seconded by Scott Eudey.

Move to adjourn

The motion carried by the following vote:

Aye: 5 - Debra Wimpee, Johnnie Parks, Mike Lester, Scott Eudey, Craig Thurmond

Attest:

Chairman

Secretary



City of Broken Arrow

Fact Sheet

File #: 18-136, Version: 1

**Broken Arrow Municipal Authority
Meeting of: 1-16-2018**

**To: Chairman and Authority Members
From: Utilities Department**

**Title: Acknowledgement of submittal of the Broken Arrow Municipal
Authority's Water Supply Report for the month of December 2017**

Background:

In an effort to provide the Authority and the Public more information with respect to our community's water usage, the Utilities Department Staff has prepared a Total Water Supply Report that records total daily water usage, as well as monthly water volume delivered to the community.

Over the course of the twelve months of the year, the Maximum Water Plant Production Day was 19.1 million gallons per day (MGD) recorded on June 11, 2017. The Average Day usage through the end of December is 8.7 MGD. Total water treated at the plant up to the end of December is 271.0 million gallons (MG). Total water purchased from Tulsa for the month of December is 1.3 MG.

This report will be updated on a monthly basis. Staff recommends the Authority acknowledge submittal of the Report.

Cost: No cost

Prepared By: Anthony C. Daniel, Utilities Director

**Reviewed By: Utilities Department
Assistant City Manager-Operations
Legal Department**

Approved By: Michael L. Spurgeon, City Manager

Attachments: Monthly Report

Recommendation:

Acknowledge submittal of the Monthly Water Usage Report

Total Water Usage - 2017

Day\Mon	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	8.9	9.4	8.8	9.5	9.5	12.1	12.7	11.5	15.6	17.7	8.6	7.9
2	9.3	8.2	11.8	9.2	8.6	11.4	12.3	15.7	14.3	17.5	10.8	9.2
3	9.1	8.2	11.3	9.2	9.0	11.1	12.5	15.2	14.7	10.9	10.0	9.1
4	9.0	9.2	9.8	8.8	9.2	13.9	11.4	12.8	17.4	9.6	8.7	9.8
5	8.1	9.0	9.3	8.8	10.5	12.4	12.8	14.0	14.7	9.7	8.2	8.4
6	8.1	9.5	10.1	9.8	10.0	12.8	13.0	11.4	17.1	10.1	11.5	8.5
7	9.6	9.6	8.6	10.6	12.3	13.4	15.5	13.3	15.5	10.3	9.4	8.6
8	9.2	8.2	9.0	8.9	12.8	14.4	12.7	10.3	16.1	9.7	9.3	8.6
9	10.2	8.1	9.3	10.7	13.5	16.9	12.4	14.1	15.5	11.5	8.9	8.2
10	9.4	8.7	9.6	10.8	12.0	16.9	15.3	13.6	15.7	9.2	9.9	9.1
11	8.4	10.1	7.7	12.8	9.9	19.1	16.1	11.7	17.1	9.9	9.9	9.7
12	9.2	11.4	8.4	12.2	9.4	19.0	16.7	11.1	15.1	11.1	9.3	9.3
13	8.6	9.1	8.7	10.9	10.7	17.6	17.1	11.3	16.4	10.8	10.0	8.5
14	8.5	7.3	8.4	10.9	10.5	18.7	17.3	11.2	16.2	11.3	9.2	8.5
15	8.8	7.9	8.1	12.0	12.8	18.6	12.6	13.4	16.9	10.0	9.1	8.6
16	9.1	8.9	8.8	10.1	11.6	15.3	13.5	11.0	16.1	10.4	10.5	9.2
17	8.9	9.3	9.1	10.1	11.2	13.1	14.9	9.7	13.9	10.6	9.8	8.5
18	8.2	8.6	11.2	8.7	10.1	12.3	10.8	11.7	12.5	10.6	10.3	8.6
19	8.6	9.1	10.2	10.2	10.0	15.6	14.0	11.9	12.0	9.7	10.2	8.5
20	8.2	8.3	11.6	9.2	8.4	14.1	16.0	12.8	13.1	11.1	11.1	8.6
21	8.4	9.0	11.8	8.8	9.8	15.3	14.4	13.9	13.6	9.5	10.4	10.0
22	9.0	9.0	10.9	9.1	10.8	17.4	14.0	12.8	15.9	9.2	11.5	7.8
23	8.5	9.5	9.7	9.7	10.4	16.9	14.8	15.2	15.1	10.3	9.1	7.7
24	9.0	8.5	11.2	9.5	10.1	11.6	15.7	15.5	14.3	9.3	9.2	8.5
25	9.3	8.1	8.3	9.6	11.3	13.8	16.1	14.9	16.2	9.5	10.0	9.8
26	8.1	9.4	9.5	9.1	10.8	15.8	18.0	15.1	13.7	11.3	10.0	8.1
27	8.8	8.5	10.1	8.9	11.2	16.8	14.4	14.6	12.8	9.8	10.2	8.3
28	8.8	8.6	8.9	8.3	12.3	18.5	13.0	15.8	12.2	9.8	9.2	8.2
29	8.6		8.9	8.5	14.5	17.9	15.9	15.3	17.1	9.7	9.5	9.3
30	9.5		8.8	8.2	12.9	14.6	15.7	15.6	16.9	9.7	9.1	8.4
31	8.9		8.5		13.9		15.6	14.8		9.3		8.2
Mon. Total	274.3	248.7	296.4	293.1	340.0	457.3	447.2	411.2	453.7	329.1	292.9	269.7
Plant Avg. Day	8.8	8.9	9.6	9.8	11.0	15.2	14.4	13.3	15.1	10.6	9.8	8.7
Monthly Purchase	0.2	0.1	3.8	0.7	0.7	18.1	49.9	17.3	2.1	1.0	0.7	1.3
Total Month	274.5	248.8	300.2	293.8	340.7	475.4	497.1	428.5	455.8	330.1	293.6	271.0
Total Avg. Day	8.9	8.9	9.7	9.8	11.0	15.8	16.0	13.8	15.2	10.6	9.8	8.7

Verdigris Finished Water (MG): 4,113.6

Plant Annual Max. Day (MGD): 19.1

Tulsa Purchase Water (MG) ⁽¹⁾: 96.0

Plant Annual Avg. Day (MGD): 11.3

Total Finished Water (MG): 4,209.6

Plant Annual Min. Day (MGD): 7.3

Total System Annual Avg. Day (MGD): 11.5

Notes:

(1) Actual take is calculated from the billing records for the individual month.



City of Broken Arrow

Fact Sheet

File #: 18-177, Version: 1

**Broken Arrow Municipal Authority
Meeting of: 1-16-2018**

To: Chairman and Authority Members
From: Utilities Department

Title: Acknowledgement of Oklahoma Department of Environmental Quality's
Closure of Consent Order No. 15-245

Background:

On March 10, 2016, the Oklahoma Department of Environmental Quality (ODEQ) and City of Broken Arrow agreed to Consent Order 15-245 for unpermitted discharges from the City's Oneta Road Lift Station. The Order also stated that improvements needed to be made to the lift station and required the City to pay an administrative penalty of \$ 5,625.00.

On September 19, 2017, City of Broken Arrow submitted final close-out documentation to ODEQ certifying that the improvements to the lift station had been completed and the unpermitted discharges from the lift station had been eliminated. ODEQ has determined that all tasks associated with the Consent Order have been completed.

On January 4, 2018, City of Broken Arrow received a letter from ODEQ stating that Consent Order 15-245 has been closed.

Cost: None

Prepared By: Anthony Daniel, Utilities Director

Reviewed By: Utilities Department
Assistant City Manager - Operations
Legal Department

Approved By: Michael L. Spurgeon, City Manager

Attachments: ODEQ Closure Letter for Consent Order No. 15-245

Recommendation:

Acknowledge Oklahoma Department of Environmental Quality's Closure of Consent Order No. 15-245



SCOTT A. THOMPSON
Executive Director

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

MARY FALLIN
Governor

January 4, 2018

CITY OF BROKEN ARROW

The Honorable Craig W. Thurmond, Mayor
c/o Michael Spurgeon, City Manager
City of Broken Arrow
P.O. Box 610
Broken Arrow, Oklahoma 74013-0610

JAN 08 2018

CITY MANAGER'S OFFICE

Re: Consent Order 15-245 – Closed
City of Broken Arrow – Lynn Lane Wastewater Treatment Facility Collection System
Citizen Complaint Nos. 143449 & 143540
Facility No. S-20409
OPDES Permit No. OK0040053

Dear Mayor Thurmond:

On March 10, 2016, the Oklahoma Department of Environmental Quality (DEQ) and the City of Broken Arrow (City) agreed to Consent Order 15-245 (Order) which established a schedule of tasks to be completed by the City to address ongoing unpermitted discharges occurring from the City's Oneta Road Lift Station. The Order also required the City to pay a total monetary administrative penalty of five thousand six hundred twenty-five (\$5,625.00) to DEQ for violations cited therein. The entire administrative penalty payment was received by DEQ on April 25, 2016.

On September 19, 2017, DEQ received final closeout documentation from the City which certified that rehabilitation efforts had been completed and the unpermitted discharges from the Oneta Road Lift Station had been eliminated. The closeout documents stated that the cost associated with the constructed improvements was \$758,864.85. Based upon review of DEQ records and the City's correspondence, DEQ has determined that all tasks associated with the Order have been completed. Therefore, DEQ is closing Consent Order 15-245.

Should you have any questions concerning this letter, please contact Travis Archer, P.E., District Engineer, Municipal Wastewater Enforcement Section, at (405) 702-8109 or write to Mr. Archer at the letterhead address.

Sincerely,

Michael B. Moe, P.E., Engineering Manager
Wastewater Group
Water Quality Division

MBM/TA/BFC/md

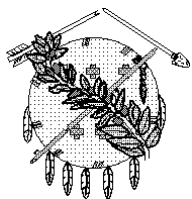
TM/CG/MKD

cc: Anthony Daniel, Director of Utilities, City of Broken Arrow
Chad Keller, ECLS, Tulsa DEQ Office
Debbie Nichols, Regional Manager, ECLS, DEQ

707 NORTH ROBINSON, P.O. BOX 1677, OKLAHOMA CITY, OKLAHOMA 73101-1677

printed on recycled paper with soy ink





City of Broken Arrow

Fact Sheet

File #: 18-178, Version: 1

**Broken Arrow Municipal Authority
Meeting of: 1-16-2018**

To: Chairman and Authority Members
From: Utilities Department

Title: Acknowledgement of Oklahoma Department of Environmental Quality's
Closure of Notice of Violation No. S-20409-17-1

Background:

On January 30, 2017, the Oklahoma Department of Environmental Quality (ODEQ) issued a Notice of Violation (NOV) No. S-20409-17-1 to the City of Broken Arrow for failing to monitor total dissolved solids (TDS) in accordance with ODEQ issued Oklahoma Discharge Elimination System (OPDES) permit for Lynn Lane WWTP during the November 2016 period.

On March 13, 2017, City of Broken Arrow provided a response to ODEQ stating that the contract laboratory inadvertently failed to test for TDS during the monitoring period and a copy of the letter from the contract laboratory was attached to the response letter.

On January 4, 2018, City of Broken Arrow received a letter from ODEQ stating that NOV S-20409-17-1 is closed.

Cost: None

Prepared By: Anthony Daniel, Utilities Director

Reviewed By: Utilities Department
Assistant City Manager - Operations
Legal Department

Approved By: Michael L. Spurgeon, City Manager

Attachments: ODEQ Closure Letter for Notice of Violation No. S-20409-17-1

Recommendation:

Acknowledge Oklahoma Department of Environmental Quality's Closure of Notice of Violation No. S-20409-

17-1



SCOTT A. THOMPSON
Executive Director

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

MARY FALLIN
Governor

January 4, 2018

Michael Spurgeon, City Manager
City of Broken Arrow
P.O. Box 610
Broken Arrow, Oklahoma 74013-0610

CITY OF BROKEN ARROW

JAN 08 2018

Re: Notice of Violation No. S-20409-17-1 – Closed
City of Broken Arrow Wastewater Treatment Plant
Facility No. S-20409
OPDES Permit No. OK0040053

CITY MANAGER'S OFFICE

Dear Mr. Spurgeon:

On January 30, 2017, the Oklahoma Department of Environmental Quality (DEQ) issued Notice of Violation (NOV) No. S-20409-17-1, to the City of Broken Arrow (City) for failing to monitor total dissolved solids (TDS) in accordance with the City's DEQ-issued Oklahoma Discharge Elimination System (OPDES) Permit during the November 2016 monitoring period. The City received the NOV on February 2, 2017.

On March 13, 2017, DEQ received a response to the NOV from the City. The response stated that the City's contract laboratory inadvertently failed to test for TDS during the above-described monitoring period and included a copy of a letter from the contract laboratory that stated the login technician missed the TDS test on the chain of custody included with the sample. The letter from the contract laboratory also stated that additional safeguards were developed to prevent oversights of this nature in the future. On April 25, 2017, DEQ sent a letter to the City that stated DEQ would monitor the City's monthly Discharge Monitoring Reports (DMRs) through the September 2017 DMR submittal, due by October 15, 2017, to determine if compliance had been achieved.

Based upon review of the City's monthly DMRs, DEQ believes that the actions taken by the City to eliminate and prevent future violations of this nature are adequate. Therefore, DEQ is closing NOV No. S-20409-17-1.

Should you have any questions concerning this letter, please contact Travis Archer, P.E., District Engineer, Municipal Wastewater Enforcement Section, Water Quality Division, DEQ, at (405) 702-8109 or write to Mr. Archer at the letterhead address.

Sincerely,

Michael B. Moe, P.E., Engineering Manager
Wastewater Group
Water Quality Division

MBM/TA/BFC/md

TM/CG/MKD

cc: Anthony Daniel, Director of Utilities, City of Broken Arrow
Chad Keller, ECLS, Tulsa DEQ Office
Debbie Nichols, Regional Manager, ECLS, DEQ





City of Broken Arrow

Fact Sheet

File #: 18-172, Version: 1

**Broken Arrow Municipal Authority
Meeting of: 1-16-2018**

**To: Chairman and Authority Members
From: Engineering and Construction Department**

Title: Approval of and authorization to execute Amendment No. 1 to an Agreement for Professional Consultant Services with Tetra Tech, Inc., for design of Digester Rehabilitation at the Lynn Lane Wastewater Treatment Plant

Background:

Digester Rehabilitation at Lynn Lane Wastewater Treatment Plant (LLWWTP) is a project recommended from the Sludge Digestion Evaluation contract performed by Tetra Tech. The project consists of cleaning debris from the digesters, rehabilitating the aerations piping and replacing the fine bubble diffusers with coarse bubble diffusers.

The construction project has bid and been awarded this contract Amendment is for engineering assistance during construction and at the conclusion of the construction contract the preparation of record drawings and the preparation of a sludge process operations manual to guide staff in operations of the digesters.

Funding for this Amendment is from the FAP construction loan (FAP-17-004-L).

Cost: \$35,000.00

Prepared By: Alex M. Mills, P.E., CFM, Engineering and Construction Director

**Reviewed By: Utilities Department
Finance Department
Legal Department
Assistant City Manager**

Approved By: Michael L. Spurgeon, City Manager

Attachments: Professional Consultant Agreement Amendment No. 1

Recommendation:

Approve and authorize execution of Amendment No. 1 to a Professional Consultant Agreement with Tetra Tech, Inc., for Digester Rehabilitation at the Lynn Lane Wastewater Treatment Plant.

**AMENDMENT NO. 1
AGREEMENT SUMMARY
FOR
LYNN LANE WASTEWATER TREATMENT PLANT
DIGESTER REHABILITATION, PROJECT NO. 165428**

1.0 Professional Consulting Firm:

1.1	Name:	<u>Tetra Tech, Inc.</u>
1.2	Telephone No.:	<u>(918) 249-3909</u>
1.3	Address:	<u>7645 East 63rd Street, Suite 301 Tulsa, OK 74133</u>

2.0 Project Name/Location: Digester Rehabilitation at Lynn Lane Wastewater Treatment Plant (LLWWTP).

3.0 Statement of Purpose: This amendment is for assistance during construction and includes review of submittals, attending meetings and assisting the Construction Division in answer questions. It also includes the preparation of record drawings at the conclusion of the construction project and the preparation of a Sludge Process Operations Manual.

4.0 Agreement Summary:

4.1	Agreement Amount:	
	Construction Phase Services hourly not to exceed	\$22,000.00
	Record Drawings lump sum amount of	\$ 2,400.00
	Sludge process Operational Manual lump sum of	<u>\$10,600.00</u>
	Maximum Amendment total	\$35,000.00

4.2 Agreement Time: 180 calendar days

4.3 Estimated Construction Cost: \$873,848.00

5.0 Contract Documents and Priority: The Broken Arrow Municipal Authority (OWNER), represented by the City Manager, and the Professional Consulting firm, (CONSULTANT), identified in paragraph 1.0 agree to perform this AGREEMENT in strict accordance with the clauses, provisions, and the documents identified as below, all of which are made part of this Contract. In the event of conflict, these documents shall be interpreted in the following order:

- 5.1 AGREEMENT with corresponding Attachments;
- 5.2 Duly authorized Amendments to the AGREEMENT;
- 5.3 AGREEMENT Summary;
- 5.4 CONSULTANT's proposal (Exhibit 1).
- 5.4 Specific project written correspondence mutually recognized; and
- 5.5 Specific project verbal instructions mutually recognized.

6.0 Agreement Approved by the Owner on: _____

**AMENDMENT NO. 1
TO
AGREEMENT FOR PROFESSIONAL CONSULTING SERVICES
BETWEEN
BROKEN ARROW MUNICIPAL AUTHORITY AND
AND
TETRA TECH, INC.
FOR
LYNN LANE WASTEWATER TREATMENT PLANT DIGESTER REHABILITATION & BLOWER
FAILURE INVESTIGATION
PROJECT NO. 165428**

THIS **AMENDMENT NO. 1** made and entered into this ____ day of January 2018, by and between the CITY OF BROKEN ARROW, OKLAHOMA, a municipal corporation of the State of Oklahoma, hereinafter referred to as "CITY", and Tetra Tech, Inc., hereinafter referred to as "ENGINEER";

WITNESSETH:

WHEREAS, BAMA and ENGINEER entered into an Agreement dated June 20, 2016, for services as set forth in said Agreement; and

WHEREAS, said Agreement requires ENGINEER to include assistance during construction, record drawings and sludge process manual.; and

WHEREAS, CITY and ENGINEER propose to amend said Agreement to expand the project scope, design schedule and compensation; and

WHEREAS, the 2016 Agreement and First Amendment shall hereinafter collectively be referred to as the "Agreement"; and

WHEREAS, funding is now available for said additional services in Project Number 165428; and

WHEREAS, ENGINEER is prepared to provide said additional services identified in this Amendment.

NOW THEREFORE, in consideration of the promises contained herein, the parties hereto agree to amend the Agreement as follows:

1. SCOPE OF SERVICES.

An amended Scope of Services as specified in Attachment A-1 is hereby incorporated by reference as part of this agreement.

2. ORGANIZATION OF SUBMITTAL DOCUMENTS.

Not changed.

3. OWNER'S RESPONSIBILITIES AND SPECIAL CONDITIONS.

Not Changed.

4. CHANGE IN CONTRACT AMOUNT.

As compensation for the additional work, CITY shall pay ENGINEER in accordance with the terms specified in Attachment D-1, Amended Compensation and Additional Services, as a change in the contract amount as follows:

Original Agreement Amount executed <u>June 20, 2016</u>	<u>\$ 69,900.00</u>
Amendment No. 1	<u>\$ 35,000.00</u>
Revised Total Contract Amount	<u>\$104,900.00</u>

5. AMENDED PROJECT SCHEDULE

A new project schedule as specified in Attachment E-1 is hereby incorporated by reference as part of this Agreement.

5. EFFECTIVE DATE AND AUTHORIZATION TO PROCEED.

This Amendment No. 1 is effective upon signature by both parties.

Except as amended hereby, all terms of the 2016 Agreement shall remain in full force and effect without modification or change.

IN WITNESS WHEREOF, the parties have executed this AMENDMENT, in multiple copies on the respective dates herein below reflected to be effective on the date executed by the City Manager of the City of Broken Arrow, Oklahoma.

Approved as to form:

Broken Arrow Municipal Authority

Lesli Myers
Assistant City Attorney

By: _____
Michael Spurgeon, City Manager

Attest:

Date _____

City Clerk [Seal]

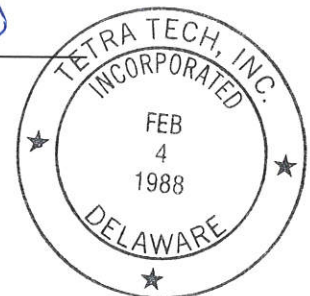
Tetra Tech, Inc.

By: *[Signature]*
7645 East 63rd Street, Suite 301
Tulsa, OK 74133

Attest:

[Signature]
Corporate Secretary (Seal)
Assistant

Date: 12/28/17



VERIFICATIONS

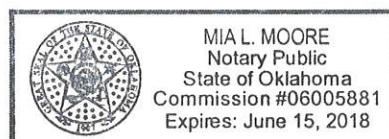
State of Oklahoma)
) ss.
County of Tulsa)

Before me, a Notary Public, on this 28th day of December, 2017, personally appeared Jon D. Nelson, P.E., known to me to be the (President, Vice-President, Corporate Officer, Member, Partner or Other: _____ (Please circle or specify)) of Tetra Tech, Inc. and to be the identical person who executed the within and foregoing instrument, and acknowledged to me that he executed the same as his free and voluntary act and deed for the uses and purposes therein set forth.

My Commission Expires:

June 15, 2018
06005881

Uma G Moore
Notary Public



ATTACHMENT A-1

DIGESTER REHABILITATION (PROJECT NUMBER 165428) LYNN LANE WASTEWATER TREATMENT PLANT BROKEN ARROW MUNICIPAL AUTHORITY

SCOPE OF SERVICES

Amend Paragraph 3.5 from Attachment A of the original agreement as follows:

- 3.5 Construction Phase Services. Engineer shall provide the construction administration services as requested by the City for the six (6) calendar months construction period which may be extended, if required, by mutual consent as identified in the construction contract documents and summarized below:
- 3.5.1 Pre-Construction Conference. Attend the pre-construction conference. The conference shall initialize the construction administration services on each individual Project. The duration of the construction phase is 180 calendar days.
 - 3.5.2. Construction Progress Meetings. Attend monthly progress meetings to assist owner. Chairing of said meetings is by the Contractor. If additional weekly or biweekly meeting are needed for critical phases or work the Engineer will attend only meeting requested by the contract administrator.
 - 3.5.3 Submittal Review. Engineer shall review as requested by the City Contractor's material submittals, equipment shop drawings, and material test certifications for compliance with the approved plans and specifications.
 - 3.5.4. Pay Estimate Processing. City responsibility.
 - 3.5.5. Contractor's Schedule Review. City responsibility.
 - 3.5.6. Contractor's Claim Process. City responsibility.
 - 3.5.7. Change Order Review and Processing. City responsibility.
 - 3.5.8. Resident Project Representative(s). On site resident Project Representation (RPR) will be provided by the Owner. Reports of the daily construction activities shall be prepared by the RPR for the Owner.
 - 3.5.9. Clarifications. Engineer shall provide decisions and clarifications in accordance with the construction contract documents on questions regarding the work or intent of the project requirements.
 - 3.5.10. Visual Documentation. City responsibility.

- 3.5.11. Pre-Final Inspections. Conduct pre-final inspections with the contractor and prepare the necessary punch lists for distribution.
- 3.5.12. Final Inspections. Conduct the final inspections after completion of the punch lists by the contractors.
- 3.5.13 Acceptance. Assist Owner in the review of performance test results, sequencing and startup of project elements prior to final project acceptance by owner.
- 3.5.14 Manufacturer Operation and Maintenance Manual. Engineer shall review Contractor submittal of O&M manual for compliance and coordinate the final submittal from Contractor to the Owner.
- 3.6 Record Drawings. Update electronic files (ACAD) of construction drawings to reflect the “as-constructed” configuration of the Project. Submit to Owner 1 set of reproducible record drawings at completion of the Project.
- 3.7 Sludge Process Operation Manual. Engineer shall provide the following services under this task:
- 3.7.1 Sludge Process Operation Manual (SPOM). Engineer shall prepare the sludge process operations manual to include the following elements:
- Introduction. This chapter will cover the following:
 - Description and purpose of the manual
 - Brief description of plant type, liquid and solids process trains
 - Current flow and loading conditions
 - Training and publications
 - Description, Operation and Control of Sludge Processing Facility. This chapter will, for each major unit processes both existing and new, provide a descriptive summary, relationship to adjacent units, description of major components, common operating problems, control strategy, normal/alternative/emergency operating procedures, and start-up techniques. The following unit process will be included:
 - Gravity sludge thickeners 1 and 2
 - Aerobic digesters 1 and 2
 - Digester blowers (total of 8 blowers)
 - Sludge feed pumps
 - Belt Filter Press
 - Polymer feed system
- Note: The gravity sludge thickeners, digester blowers, sludge feed pumps, the belt filter presses and the polymer feed systems are existing systems. Owner will provide O&M manual for these units for Engineer’s use for the development of the Sludge Process Operation Manual. If development of detailed process manual is needed for these existing units, Engineer shall provide such services as additional service upon request from Owner.

ATTACHMENT D-1

DIGESTER REHABILITATION (PROJECT NUMBER 165428) LYNN LANE WASTEWATER TREATMENT PLANT BROKEN ARROW MUNICIPAL AUTHORITY

COMPENSATION AND ADDITIONAL SERVICES

Amend Attachment D of the original agreement as follows:

1.0 BASIC COMPENSATION

- 1.5 Construction Phase Services: The Owner shall pay the Consultant hourly not to exceed \$22,000.00 at the direction of the Contract Administrator.
- 1.6 Project Closeout Phase: The Owner shall pay the Consultant a lump sum amount of \$2,400.00 for the completion of the project closeout.
- 1.7 Sludge Process Operational Manual Phase: The Owner shall pay the Consultant a lump sum amount of \$10,600.00 for the completion of this phase.

ATTACHMENT E-1

DIGESTER REHABILITATION (PROJECT NUMBER 165428)
LYNN LANE WASTEWATER TREATMENT PLANT
BROKEN ARROW MUNICIPAL AUTHORITY

PROJECT SCHEDULE

Amend Attachment E of the original agreement as follows:

- 1.5. Schedule. Engineer's scope of services is based on Contractor construction time of 180 calendar days.



City of Broken Arrow

Fact Sheet

File #: 18-145, Version: 1

**Broken Arrow Municipal Authority
Meeting of: 1-16-2018**

To: Chairman and Authority Members
From: General Services Department

Title: Approval of bids received and award the most advantageous bid to BrownCo Manufacturing for the purchase of two trailer mounted air compressors for the Storm Water Division and the Utilities Department

Background:

The Stormwater Division of the Streets and Storm Water Department and the Water Utilities Department have each budgeted for the purchase a portable trailer mounted air compressor. These machines will add to the existing fleet. Funds for this purchase are budgeted in the Broken Arrow Municipal Authority (BAMA) Capital Outlay in the amount of \$45,000.00, project number 185307 for Storm Water and \$38,000, project number 185406 for Water Utilities.

Bid requests for the air compressor were sent to 14 vendors, four bids were received from three vendors. The lowest bid meets specifications. Base pricing and selected options for the air compressor is reflected in the attached bid tabulation. Staff recommends that the Authority award the lowest responsible bid to BrownCo Manufacturing for the purchase of two new Kaser M114 trailer mounted air compressors.

Cost: \$63,111.10

Prepared By: Lee Zirk, General Services Department

Reviewed By: Streets and Storm Water Department
Water Department
Finance Department
Assistant City Manager-Operations
Legal Department

Approved By: Michael L. Spurgeon, City Manager

Attachments: Bid tabulation on Bid number 18.145

Recommendation:

Award the most advantageous bid to BrownCo Manufacturing for the purchase of two air compressors

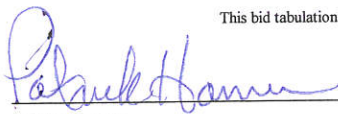
Bid 18.145
Portable Trailer Mounted Air Compressor
Bid Date 01/03/2018

Item	BROWNCO MFG	Kirby Smith #2	Kirby Smith #1	Automatic Engineering, Inc
Specification	Kaeson M114	Sullair 375 H Reman	Sullair 375H	Kaeson Mobileair M114 US 7 Bar
Portable Trailer Mounted Air Compressor	\$31,555.55	\$43,124.00	\$49,988.00	\$50,037.00
Options				
1. Cold weather starting aid	\$0.00	n/a	n/a	n/a
2. Cold weather Package	\$0.00	\$689.00	\$689.00	n/a
3. Hitch	\$0.00	\$303.00	\$303.00	\$0.00
4. Gauge package	\$0.00	\$0.00	\$0.00	\$0.00
5. Engine block heater	n/a	n/a	n/a	n/a
6. Air filter maintenance indicator	\$0.00	\$0.00	\$0.00	\$0.00
Total	<u>31,555.55</u>	<u>44,116.00</u>	<u>50,980.00</u>	<u>\$50,037.00</u>
Meet specs.	Y	N	Y	Y
Notes		Option 1 & option 5 are included with the purchase of option 2. Did not meet specs. This is a remanufactured unit	Option 1 & option 5 are included with the purchase of option 2.	Options 3, 4 & 6 prices are already included in the unit price. Option 5, Glow Plugs are available at no add'l charge.
Delivery	7-10 days	60-120 days	20-120 days	7-14 days
Warranty Equipment	2yr	2yr	2yr	2 yr
Warranty Engine	1 yr/unlimited	2 yr/3k hrs	2 yr/3k hrs	1 yr/unlimited
Warranty Compressor	1 yr/unlimited	2 yr/3k hrs	2 yr/3k hrs	1 yr/unlimited

Storm Water Dept Project 185307 Water Dept. Project 185406 Bid sent to 14 Vendors

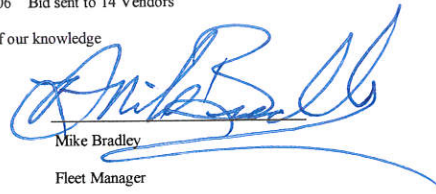
This bid tabulation is true and accurate to the best of our knowledge

Thursday, January 04, 2018



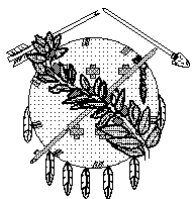
Patrick Harrison

Purchasing Manager



Mike Bradley

Fleet Manager



City of Broken Arrow

Fact Sheet

File #: 18-171, Version: 1

**Broken Arrow Municipal Authority
Meeting of: 01-16-2018**

To: Chairman and Authority Members
From: Engineering and Construction Department
Title: Award of the lowest responsible bid to Crossland Heavy Contractors, Inc., and approval of and authorization to execute a construction contract for Lynn Lane Wastewater Treatment Plant Belt Filter Press Feed Pumps and Belt Filter Press Flow Meters (Project No. 185418)

Background:

Holloway, Updike, and Bellen, Inc. (HUB), was retained by BAMA to design rehabilitation improvements needed at the Lynn Lane Wastewater Treatment Plant for the belt filter press digested sludge feed pumps and flow meters. The Project includes the demolition of two existing feed pumps, two existing magnetic flow meters, and miscellaneous piping and valves, furnishing and installation of two new rotary lobe sludge feed pumps, two new magnetic flow meters, and miscellaneous piping, valves, and other appurtenances as shown in the contract documents. A professional consultant agreement with HUB was negotiated, resulting in the production of construction bid documents.

The project was advertised for bids on November 21 and November 28, 2017. A mandatory pre-bid meeting was held on December 12, 2017. Bids were opened on January 9, 2018 and four (4) bids were received. All bids were responsive. The Certified Bid Tabulation is attached. The bids submitted were composed of a base bid. The lowest responsible bidder was Crossland Heavy Contractors, Inc., with a base bid of \$85,700.00. The engineer's estimate was \$96,000.00 for the base bid. Staff recommends awarding the Base Bid in the amount of \$85,700.00 to Crossland Heavy Contractors, Inc.

Funding for this construction contract will be from the Utilities Department Capital Outlay of the BAMA budget.

Cost: \$ 85,700.00

Prepared By: Alex M. Mills, P.E., CFM, Engineering and Construction Director

**Reviewed By: Utilities Department
Finance Department
Assistant City Manager - Operations**

Approved By: Michael L. Spurgeon, City Manager

Attachments: Certified Bid Tabulation

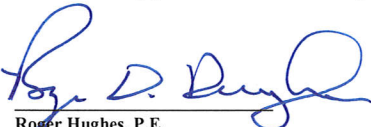
Recommendation:

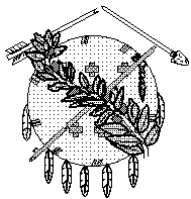
Award the lowest responsible bid to Crossland Heavy Contractors, Inc., and approve and authorize execution of a construction contract for Lynn Lane Wastewater Treatment Plant Belt Filter Press Feed Pumps (Project No. 185418) and Belt Filter Press Flow Meters (Project No. 185419)

BID TABULATION
LYNN LANE WWTP BELT FILTER PRESS FEED PUMPS AND BELT FILTER PRESS FEED FLOW METERS
PROJECT NOS. 185418/185419 BID NO. 18.134
BID OPENING 1/9/2018 AT 2:00 P.M. AT THE CITY OF BROKEN ARROW OPERATIONS OFFICE BUILDING

Item # No.	Pay Item Description BASE BID	Units	Quantity	Engineer's Estimate		Crossland Heavy Contractors, Inc.		Beytco, Inc.		KBC Construction, Inc.		Walters-Morgan Construction, Inc.	
				Unit Cost	Extension	Unit Cost	Extension	Unit Cost	Extension	Unit Cost	Extension	Unit Cost	Extension
1	Belt Filter Press Feed Pumps and Belt Filter Press Feed Flow Meters and other appurtenances	LS	1	\$ 91,000.00	\$ 91,000.00	\$ 80,700.00	\$ 80,700.00	\$ 84,943.00	\$ 84,943.00	\$ 101,106.00	\$ 101,106.00	\$ 119,500.00	\$ 119,500.00
2	Construction Allowance	LS	1	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00
Total Base Bid				\$	96,000.00	\$	85,700.00	\$	89,943.00	\$	106,106.00	\$	124,500.00

I certify that this is a true and correct Tabulation of Bids received at 2:00pm on January 9, 2018. This document does not imply that the contract will be awarded to any particular bidder. The City reserves the right to accept or reject any and all bids.


Roger Hughes, P.E.
Engineering Division Manager



City of Broken Arrow

Fact Sheet

File #: 18-168, Version: 1

**Broken Arrow Municipal Authority
Meeting of: 1-16-2018**

To: Chairman and Authority Members
From: Utilities Department
Title:

Award the most advantageous bid to Key Equipment for the purchase of one (1) 2018 Ford transit van equipped with closed circuit sewer pipe inspection camera equipment for the sewer division for inspecting sewer main lines

Background:

The Utilities Department currently uses a trailer mounted closed circuit television inspection equipment to inspect sewer lines to locate and identify problems in the pipe line. The existing camera and crawler unit is several years old, is obsolete and has to be sent back to the manufacturer for extensive repairs. The cost of repairs is getting to be expensive.

Utilities Department had identified funds in the FY18 budget to purchase a fully outfitted van with the CCTV equipment to undertake pipe inspections and locate defects in the sewer main lines more quickly. Identifying the type of defect in the pipeline enables crews to plan and undertake repairs more efficiently.

Bid packages were sent out to twelve (12) vendors and four (4) bids were received. Fleet Maintenance Division and Utilities staff reviewed the bids received and identified the bid from Key Equipment as being the most advantageous bid. The van and CCTV equipment meets specifications and comes with the 3 year, 36,000 mile warranty.

The lowest bid received is from Baker Equipment. Upon receiving bids, Staff had contacted Baker Equipment to bring a van with the CCTV equipment to demonstrate the operation capability of the CCTV equipment and accessories. As of January 8, 2018 Baker Equipment has not brought any CCTV equipment for staff to evaluate.

Funds for the purchase have been appropriated and are available in the Broken Arrow Municipal Authority (BAMA) fund. Account No. 020-5415-434-70-02 Project No. 185425 in the amount of \$198,094.00.

Cost: \$198,094.00
Prepared By: Anthony C. Daniel, Utilities Director
Reviewed By: Utilities Department
Finance Department
Assistant City Manager-Operations
Legal Department

Approved By: Michael L. Spurgeon, City Manager

Attachments: Bid No. 18.138 tabulation

Recommendation:

Award the most advantageous bid to Key Equipment for the purchase of (1) one Ford Transit van equipped with closed circuit camera equipment and accessories.

Bid 18.138

CCTV Sewer Pipe Inspection Equipment and Vehicle

Bid Date 12/13/2017

Item	Baker Equipment	Key Equipment	J & R Equipment	Reliability Point, LLC
Specification	2018 Ford Transit- 350-Extended Van With Camera R.S. Technical M/L	2018 Ford Transit T-350 With Camera Envirosight RX 130	2018- Ford-Transit Van with Camera Cues K2 with Evolution 3.0 Interior & Specified Camera Transporter	2018 Ford Transit 350 (S4X) with Camera Aries Pathfinder
CCTV Pipe Inspection Vehicle	\$162,450.08	\$188,599.00	\$198,724.00	\$196,729.31
OPTIONS				
Dolly mounted push/pull camera with 250-foot spool	\$9,774.00	\$9,495.00	\$12,995.00	\$8,367.50
Stow area for the dolly mounted push/pull camera	\$0.00	\$0.00	\$0.00	\$0.00
Pendant with color screen for footage and profile viewing	\$0.00	\$0.00	N/A	\$6,735.00
Total	<u>172,224.08</u>	<u>198,094.00</u>	<u>211,719.00</u>	<u>211,831.81</u>
Warranty Vehicle	3yr/ 36K	3yr/36K	3yr/ 36K	3yr/36K
Waranty Camera	1yr	1yr	1yr	1yr
Meet specs	N	Y	N	N
Delivery	60-90 days	90 days	90-120 days	90 days

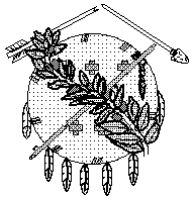
Sewer Project 185425 Bids were sent to 12 vendors

This bid tabulation is true and accurate to the best of my knowledge

Wednesday, December 13, 2017


 Patrick Harrison (on behalf of)
 Purchasing Manager

 1-9-2018
 Mike Bradley
 Fleet Manager



City of Broken Arrow

Fact Sheet

File #: 18-8, Version: 1

FUND	020 BAMA DATE DUE	VENDOR NO	VENDOR NAME	VOUCHER NO	I NVOI CE NO	ACCOUNT NO	AMOUNT
	7/12/2017	6626	REXEL	PI 1688	S115622203003	020-5405-434.60-45 7/12/2017 TOTAL - CUMULATI VE TOTAL -	1,916.00- 1,916.00- 1,916.00-
	10/10/2017	602	GADES SALES CO I NC	PI 7561	0072197	020-0000-141.00-00 10/10/2017 TOTAL - CUMULATI VE TOTAL -	8,085.00 8,085.00 6,169.00
	10/11/2017	225	SUMMI T TRUCK GROUP	PI 7876	411147525	020-0000-141.00-00	236.52
	10/11/2017	452	GELLCO UNI FORMS & SHOES I NC	PI 7877 PI 7765	411147525 00206749	020-0000-141.00-00 020-5415-435.60-10 10/11/2017 TOTAL - CUMULATI VE TOTAL -	64.62 206.98 508.12 6,677.12
	10/18/2017	9876	RITZ/LONE STAR SAFETY & SUPPLY	PI 7851 PI 7852	5483581 5483581	020-0000-141.00-00 020-0000-141.00-00 10/18/2017 TOTAL - CUMULATI VE TOTAL -	587.12 180.29 767.41 7,444.53
	10/25/2017	327	HACH COMPANY	PI 7567	10689755	020-5405-434.60-34	502.54
	10/25/2017	6626	REXEL	PI 5814	S118292793001	020-5410-435.60-45 10/25/2017 TOTAL - CUMULATI VE TOTAL -	881.36 1,383.90 8,828.43
	10/31/2017	4572	LI GHTI NG I NC/ BROKEN ARROW ELEC	PI 7799	S2271880002	020-0000-141.00-00	220.55
	10/31/2017	10669	ADVANCED WORKZONE SERVI CES	PI 7528	13789	020-5405-434.60-23 10/31/2017 TOTAL - CUMULATI VE TOTAL -	699.00 919.55 9,747.98
	11/01/2017	327	HACH COMPANY	PI 7570	10699957	020-5405-434.60-34 11/01/2017 TOTAL - CUMULATI VE TOTAL -	575.70 575.70 10,323.68
	11/03/2017	42	ARROW SAFE AND LOCK I NC	PI 7529	70980-1	020-5200-419.60-23	8.95
	11/03/2017	9822	MORTON SALT I NC	PI 7596	5401427820	020-5405-434.60-34 11/03/2017 TOTAL - CUMULATI VE TOTAL -	5,767.62 5,776.57 16,100.25
	11/06/2017	625	FASTENAL COMPANY	PI 7769	OKTU727701	020-5400-434.60-23 11/06/2017 TOTAL - CUMULATI VE TOTAL -	54.22 54.22 16,154.47
	11/08/2017	4572	LI GHTI NG I NC/ BROKEN ARROW ELEC	PI 7800	S2271880001	020-0000-141.00-00 11/08/2017 TOTAL - CUMULATI VE TOTAL -	1,214.14 1,214.14 17,368.61
	11/13/2017	255	SAF T GLOVE I NC	PI 7878 PI 7879 PI 7880	85615000 85615000 85615000	020-0000-141.00-00 020-0000-141.00-00 020-0000-141.00-00 11/13/2017 TOTAL - CUMULATI VE TOTAL -	79.98 23.94 52.21 156.13 17,524.74

FUND 020 BAMA	DATE DUE	VENDOR NO	VENDOR NAME	VOUCHER NO	INVOICE NO	ACCOUNT NO	AMOUNT
11/14/2017	327		HACH COMPANY	PI 7571	10717305	020-5405-434.60-34	91.75
						11/14/2017 TOTAL -	91.75
						CUMULATIVE TOTAL -	17,616.49
11/16/2017	244		GREEN ACRE SOD FARMS DBA	PI 7568	108098	020-5400-434.60-80	68.00
11/16/2017	255		SAF T GLOVE INC	PI 7881	85616400	020-0000-141.00-00	285.31
						11/16/2017 TOTAL -	353.31
						CUMULATIVE TOTAL -	17,969.80
11/22/2017	244		GREEN ACRE SOD FARMS DBA	PI 7569	108149	020-5305-438.60-27	300.00
11/22/2017	327		HACH COMPANY	PI 7572	10730404	020-5405-434.60-34	441.82
						11/22/2017 TOTAL -	741.82
						CUMULATIVE TOTAL -	18,711.62
11/24/2017	327		HACH COMPANY	PI 7573	10732226	020-5405-434.60-34	324.00
						11/24/2017 TOTAL -	324.00
						CUMULATIVE TOTAL -	19,035.62
11/28/2017	176		TIMMONS OIL COMPANY INC	PI 7671	W 05271	020-0000-141.00-00	238.00
11/28/2017	400		L & M OFFICE FURNITURE INC	PI 7597	766260	020-5205-419.70-19	865.00
						11/28/2017 TOTAL -	1,103.00
						CUMULATIVE TOTAL -	20,138.62
11/29/2017	9892		GOODYEAR COMMERCIAL TIRE	PI 7759	2541009879	020-0000-141.00-00	5,794.96
				PI 7768	2541009879	020-5125-436.60-19	108.18
						11/29/2017 TOTAL -	5,903.14
						CUMULATIVE TOTAL -	26,041.76
12/01/2017	5941		LOWES	PI 7802	02924/	020-5405-434.60-23	47.30
						12/01/2017 TOTAL -	47.30
						CUMULATIVE TOTAL -	26,089.06
12/06/2017	10077		GULBRANSEN TECHNOLOGIES INC	PI 7781	91032533	020-5405-434.60-34	11,380.32
						12/06/2017 TOTAL -	11,380.32
						CUMULATIVE TOTAL -	37,469.38
12/07/2017	5941		LOWES	PI 7803	13669	020-5406-434.60-23	4.75
						12/07/2017 TOTAL -	4.75
						CUMULATIVE TOTAL -	37,474.13
12/08/2017	35		A & N TRAILER PARTS INC	PI 7539	00298545	020-5400-434.60-20	4.56
12/08/2017	327		HACH COMPANY	PI 7772	10749613	020-5410-435.60-34	471.00
12/08/2017	399		LOCKE SUPPLY COMPANY	PI 7813	3309705500	020-5400-434.60-23	3.64
				PI 7916	33097055	020-5400-434.70-15	3.64
						12/08/2017 TOTAL -	482.84
						CUMULATIVE TOTAL -	37,956.97
12/11/2017	327		HACH COMPANY	PI 7773	10751910	020-5410-435.60-34	605.62
12/11/2017	5941		LOWES	PI 7804	01720/	020-5405-434.60-23	22.79
12/11/2017	10077		GULBRANSEN TECHNOLOGIES INC	PI 7782	91032612	020-5405-434.60-34	8,774.64
						12/11/2017 TOTAL -	9,403.05
						CUMULATIVE TOTAL -	47,360.02

FUND	020 BAMA						
	DATE	VENDOR	VENDOR	VOUCHER	I NVOI CE	ACCOUNT	AMOUNT
	DUE	NO	NAME	NO	NO	NO	
12/12/2017		289	PETROLEUM MARKETERS EQUI PT CO	PI 7942	114390	020-5125-436.60-20	115.28
12/12/2017		327	HACH COMPANY	PI 7780	10754160	020-5410-435.60-34	416.81
12/12/2017		377	KI MS I NTERNATI ONAL	PI 7817	0102054	020-5400-434.60-20	61.89
				PI 7818	0102059	020-5400-434.60-20	287.42
12/12/2017		1409	SMI TH FARM & GARDEN CO	PI 7672	792098	020-0000-141.00-00	11.70
12/12/2017		6626	REXEL	PI 7668	S120059453001	020-5410-435.60-45	188.18
						12/12/2017 TOTAL -	1,081.28
						CUMULATI VE TOTAL -	48,441.30
12/13/2017		327	HACH COMPANY	PI 7774	10756170	020-5410-435.60-34	350.39
12/13/2017		3915	AIR COMPRESSOR SUPPLY I NC	PI 7711	2303064	020-0000-141.00-00	151.76
						12/13/2017 TOTAL -	502.15
						CUMULATI VE TOTAL -	48,943.45
12/14/2017		7304	BIG RED FASTENERS	PI 7551	158726	020-5405-434.60-23	108.36
						12/14/2017 TOTAL -	108.36
						CUMULATI VE TOTAL -	49,051.81
12/15/2017		5381	ESRI I NC	PI 7588	93390948	020-5205-419.40-55	5,700.00
				PI 7589	93390948	020-5215-419.40-55	16,244.66
12/15/2017		5941	LOWES	PI 7805	11746/	020-5406-434.60-23	28.49
				PI 7932	11746	020-5406-434.60-23	28.49
12/15/2017		8019	HDR, I NC	PI 7770	1200090606	020-5405-434.70-16	91,075.00
12/15/2017		11047	HARD HAT SAFETY & GLOVE LLC	PI 7562	26139	020-0000-141.00-00	142.56
						12/15/2017 TOTAL -	113,219.20
						CUMULATI VE TOTAL -	162,271.01
12/16/2017		420	APAC-CENTRAL, I NC	PI 7546	7001052753	020-5305-438.60-80	670.94
						12/16/2017 TOTAL -	670.94
						CUMULATI VE TOTAL -	162,941.95
12/18/2017		8	BRENN TAG SOUTHWEST I NC	PI 7541	BSW014728	020-5410-435.60-34	1,547.26
				PI 7542	BSW014729	020-5410-435.60-34	825.00
12/18/2017		225	SUMMIT TRUCK GROUP	PI 7707	411152101	020-5400-434.60-20	339.93
12/18/2017		255	SAF T GLOVE I NC	PI 7854	85907800	020-0000-141.00-00	89.74
				PI 7855	85907800	020-0000-141.00-00	25.86
12/18/2017		370	AIR GAS USA LLC	PI 7537	9070870112	020-5410-435.60-23	9.80
12/18/2017		6822	TULSA W NNELSON COMPANY	PI 7926	02969500	020-5100-437.60-18	1,586.52
12/18/2017		9876	RI TZ/ LONE STAR SAFETY & SUPPLY	PI 7853	5512759	020-0000-141.00-00	80.00
12/18/2017		10526	EXPRESS PRESS	PI 7587	34742	020-5400-434.60-10	85.77
						12/18/2017 TOTAL -	4,589.88
						CUMULATI VE TOTAL -	167,531.83
12/19/2017		625	FASTENAL COMPANY	PI 7778	OKTU728044	020-5115-437.60-18	97.54
12/19/2017		1581	MID CONTINENT CONCRETE CO	PI 7623	1596552	020-5305-438.60-27	3,011.25
				PI 7625	1596554	020-5305-438.60-27	206.25
12/19/2017		5941	LOWES	PI 7636	01005/	020-5305-438.60-23	36.16
						12/19/2017 TOTAL -	3,351.20
						CUMULATI VE TOTAL -	170,883.03
12/20/2017		8	BRENN TAG SOUTHWEST I NC	PI 7543	BSW015601	020-5405-434.60-34	5,459.82

FUND 020 BAMA	DATE DUE	VENDOR NO	VENDOR NAME	VOUCHER NO	I NVOI CE NO	ACCOUNT NO	AMOUNT
12/20/2017	90	NAPA AUTO PARTS	PI 7544	BSW015894	020-5405-434.60-34	2,747.56	
12/20/2017	225	SUMMIT TRUCK GROUP	PI 7645	2210888182	020-5305-438.60-23	33.18	
12/20/2017	370	AIRGAS USA LLC	PI 7676	411151771	020-0000-141.00-00	47.88	
12/20/2017	399	LOCKE SUPPLY COMPANY	PI 7538	9070954503	020-5130-437.60-23	49.79	
12/20/2017	452	GELCO UNIFORMS & SHOES INC	PI 7609	3319196300	020-5415-435.60-40	1.42	
12/20/2017	2538	ENVIRONMENTAL IMPROVEMENTS INC	PI 7575	00228740	020-5410-435.60-10	116.99	
12/20/2017	5941	LOWES	PI 7586	0037721	020-5410-435.60-45	4,302.30	
			PI 7637	02483	020-5305-438.60-23	80.72	
			PI 7638	02558	020-5305-438.60-23	73.84	
					12/20/2017 TOTAL -	12,913.50	
					CUMULATIVE TOTAL -	183,796.53	
12/21/2017	8	BRENTAG SOUTHWEST INC	PI 7545	BSW015602	020-5410-435.60-34	610.00	
12/21/2017	255	SAFT GLOVE INC	PI 7856	85935400	020-0000-141.00-00	333.02	
12/21/2017	1034	ALLIED ELECTRONICS INC	PI 7559	9008768342	020-5410-435.60-45	586.47	
12/21/2017	1581	MID CONTINENT CONCRETE CO	PI 7616	1596894	020-5305-438.60-27	247.50	
12/21/2017	2016	BIXBY RADIATOR INC	PI 7560	36742	020-5400-434.40-20	200.00	
12/21/2017	9569	TWIN CITIES READY MIX INC	PI 7686	158030	020-5305-438.60-27	526.50	
12/21/2017	9784	EUROFINS EATON ANALYTICAL INC	PI 7582	60363813	020-5405-434.60-34	200.00	
12/21/2017	10166	DI MENSION SPECIALIST INC	PI 7710	54844	020-0000-141.00-00	180.00	
12/21/2017	10293	DIAMOND MOWERS INC	PI 7554	0135577	020-5305-438.60-20	637.51	
					12/21/2017 TOTAL -	3,521.00	
					CUMULATIVE TOTAL -	187,317.53	
12/22/2017	240	GRAINGER	PI 7585	9651660319	020-5405-434.60-24	450.80	
12/22/2017	452	GELCO UNIFORMS & SHOES INC	PI 7577	00228835	020-5415-435.60-10	125.00	
12/22/2017	1993	G W VAN KEPPEL COMPANY	PI 7590	PSO1188181	020-5305-438.60-20	389.40	
			PI 7592	PSO1191861	020-5305-438.60-20	438.44	
12/22/2017	4270	CMC CONSTRUCTION SERVICES	PI 7713	134647	020-0000-141.00-00	2,000.00	
12/22/2017	5042	H G FLAKE SUPPLY CO	PI 7580	3518131	020-5405-434.60-23	15.45	
12/22/2017	10182	CONTROLLED FLUIDS INC.	PI 7549	000228	020-5405-434.60-45	1,575.75	
					12/22/2017 TOTAL -	4,994.84	
					CUMULATIVE TOTAL -	192,312.37	
12/23/2017	420	APAC-CENTRAL, INC	PI 7717	7001054684	020-5400-434.60-80	665.57	
			PI 7723	7001054866	020-5305-438.60-80	201.96	
					12/23/2017 TOTAL -	867.53	
					CUMULATIVE TOTAL -	193,179.90	
12/26/2017	90	NAPA AUTO PARTS	PI 7647	2210888462	020-5305-438.60-20	32.40	
			PI 7648	2210888475	020-5400-434.60-20	8.43	
			PI 7884	2210888476-480	020-0000-141.00-00	127.57	
			PI 7885	2210888476-480	020-0000-141.00-00	248.36	
			PI 7886	2210888476-480	020-0000-141.00-00	24.97	
			PI 7887	2210888476-480	020-0000-141.00-00	35.93	
			PI 7888	2210888476-480	020-0000-141.00-00	53.89	
12/26/2017	370	AIRGAS USA LLC	PI 8040	9071078572	020-5405-434.60-23	166.19	
12/26/2017	377	KIMS INTERNATIONAL	PI 7613	0102296	020-5305-438.60-20	275.22	
12/26/2017	951	HOLLIDAY SAND & GRAVEL CO	PI 7579	364400	020-5400-434.60-80	153.39	
12/26/2017	1147	AARON FENCE COMPANY	PI 7547	133125	020-5305-438.40-28	695.00	
12/26/2017	1409	SMITH FARM & GARDEN CO	PI 7694	792761	020-5400-434.60-20	30.83	

FUND 020 BAMA	DATE DUE	VENDOR NO	VENDOR NAME	VOUCHER NO	INVOICE NO	ACCOUNT NO	AMOUNT
12/26/2017	1581		MID CONTINENT CONCRETE CO	PI 7626	1597220	020-5305-438.60-27	315.35
12/26/2017	4311		UNITED FORD	PI 7679	2993781	020-5400-434.60-20	15.65
12/26/2017	4358		MCNEILUS TRUCK & MFG., INC	PI 7622	3870346	020-5125-436.60-20	252.33
12/26/2017	5334		EVANS ENTERPRISES INC - TULSA	PI 7593	10020828	020-5405-434.60-45	1,716.40
12/26/2017	5941		LOWES	PI 7640	01202/	020-5305-438.60-23	41.76
12/26/2017	9089		YELLOWHOUSE MACHINERY CO	PI 7883	296224	020-0000-141.00-00	131.17
12/26/2017	11047		HARD HAT SAFETY & GLOVE LLC	PI 7563	26238	020-0000-141.00-00	168.48
				PI 7564	26240	020-0000-141.00-00	479.52
						12/26/2017 TOTAL -	4,972.84
						CUMULATIVE TOTAL -	198,152.74
12/27/2017	8		BRENNTAG SOUTHWEST INC	PI 7742	BSW016961	020-5410-435.60-34	798.63
12/27/2017	90		NAPA AUTO PARTS	PI 7650	2210888519	020-5305-438.60-20	12.61-
				PI 7652	2210888544	020-5120-437.60-23	9.99
				PI 7937	2210888531	020-5400-434.60-23	14.97
12/27/2017	179		TRANS CONTINENTAL SUPPLY INC	PI 7674	11029097	020-0000-141.00-00	612.52
				PI 7675	11029097	020-0000-141.00-00	135.06
12/27/2017	225		SUMMIT TRUCK GROUP	PI 7861	411152005	020-5125-436.60-20	452.04
12/27/2017	378		KSM EXCHANGE LLC	PI 7820	E00511	020-5400-434.70-04	30,391.00
12/27/2017	399		LOCKE SUPPLY COMPANY	PI 7611	3322971500	020-5415-435.60-41	18.16
12/27/2017	452		GELICO UNIFORMS & SHOES INC	PI 7578	00228917	020-5115-437.60-10	116.99
12/27/2017	2664		CONSOLIDATED TRAFFIC CONTROLS	PI 7712	42264	020-0000-141.00-00	5,643.00
12/27/2017	5042		H G FLAKE SUPPLY CO	PI 7581	0352647	020-5405-434.60-23	596.00
12/27/2017	5936		CONTINENTAL BATTERY CO	PI 7526	15321227171043	020-0000-141.00-00	225.75
12/27/2017	5941		LOWES	PI 7594	14299	020-0000-141.00-00	48.36
				PI 7603	10280	020-5120-437.60-23	4.74
				PI 7808	02380	020-5305-438.60-23	37.88
12/27/2017	9089		YELLOWHOUSE MACHINERY CO	PI 7704	296527	020-5305-438.60-20	492.44
12/27/2017	10077		GULBRANSEN TECHNOLOGIES INC	PI 7783	91032822	020-5405-434.60-34	11,380.32
				PI 7784	91032823	020-5405-434.60-34	11,304.72
				PI 7785	91032824	020-5405-434.60-34	12,292.56
						12/27/2017 TOTAL -	74,562.52
						CUMULATIVE TOTAL -	272,715.26
12/28/2017	42		ARROW SAFE AND LOCK INC	PI 7739	71172	020-5305-438.60-23	19.45
				PI 7740	71175	020-5405-434.60-23	11.95
12/28/2017	90		NAPA AUTO PARTS	PI 7630	2210888641	020-0000-141.00-00	35.98
				PI 7631	2210888641	020-0000-141.00-00	49.66
				PI 7632	2210888641	020-0000-141.00-00	11.45
				PI 7653	2210888602	020-5410-435.60-20	4.64
				PI 7655	2210888623	020-5410-435.60-20	4.64
				PI 7657	2210888642	020-5400-434.60-21	143.76
				PI 7658	2210888661	020-5400-434.60-21	3.99
				PI 7660	2210888665	020-5120-437.60-23	7.99
				PI 7889	2210888604	020-0000-141.00-00	104.40
12/28/2017	92		WHITE STAR MACHINERY & SUPPLY	PI 7677	07173824	020-0000-141.00-00	29.40
12/28/2017	120		CINTAS CORPORATION	PI 7540	50095443465	020-5410-435.60-23	137.66
				PI 7720	5009543465	020-5410-435.60-23	137.66
12/28/2017	1581		MID CONTINENT CONCRETE CO	PI 7824	1597344	020-5305-438.60-27	1,294.50
				PI 7825	15973465	020-5305-438.60-27	341.20
				PI 7925	1597346	020-5305-438.60-27	170.60

FUND 020 BAMA	DATE DUE	VENDOR NO	VENDOR NAME	VOUCHER NO	INVOICE NO	ACCOUNT NO	AMOUNT
12/28/2017	3321		TRAFFIC PARTS INC	PI 7882	453537	020-0000-141.00-00	452.00
12/28/2017	4997		HARRIS CORPORATION PSPC	PI 7760	93278867	020-0000-141.00-00	301.92
12/28/2017	5371		PREMIER TRUCK GROUP	PI 7670	125218864	020-5125-436.60-20	104.74
12/28/2017	5941		LOWES	PI 7643	02519	020-5405-434.60-45	129.08
				PI 7644	02523/	020-5410-435.60-45	52.98
				PI 7809	01631	020-5305-438.60-23	52.58
				PI 7811	03014	020-5305-438.60-23	141.48
				PI 7933	11979	020-5400-434.60-23	23.73
12/28/2017	6822		TULSA WINNELSON COMPANY	PI 7929	03472800	020-5100-437.60-18	448.08
				PI 7930	03481600CM	020-5100-437.60-18	255.52
				PI 7931	03481700	020-5100-437.60-18	289.24
12/28/2017	8679		CORE & MAIN	PI 7821	1265624	020-5400-434.60-40	482.21
12/28/2017	9706		WATER TECH INC	PI 7685	62533	020-5410-435.60-34	4,598.20
12/28/2017	10699		KUBOTA CENTER WEST TULSA	PI 7621	P14415	020-5400-434.60-20	55.42
12/28/2017	11047		HARD HAT SAFETY & GLOVE LLC	PI 7565	26273	020-0000-141.00-00	92.40
						12/28/2017 TOTAL -	9,477.47
						CUMULATIVE TOTAL -	282,192.73
12/29/2017	37		ANCHOR STONE CO	PI 7732	172739809	020-5305-438.60-27	1,415.56
				PI 7733	172739809	020-5400-434.60-27	236.41
12/29/2017	71		BROKEN ARROW ELECTRIC SUPPLY I	PI 7737	S2296828001	020-5125-436.60-20	16.72
12/29/2017	90		NAPA AUTO PARTS	PI 7634	2210888734	020-0000-141.00-00	72.23
				PI 7635	2210888734	020-0000-141.00-00	17.26
				PI 7661	2210888696	020-5410-435.60-20	51.99
				PI 7663	2210888765	020-5120-437.60-23	20.94
				PI 7664	2210888770	020-5415-435.60-20	51.45
				PI 7938	888716	020-5400-434.60-23	1.99
12/29/2017	92		WHITE STAR MACHINERY & SUPPLY	PI 7709	07173862	020-5305-438.60-20	256.28
12/29/2017	101		WELDON PARTS TULSA	PI 7692	201174400	020-5305-438.60-20	13.93
12/29/2017	225		SUMMIT TRUCK GROUP	PI 7863	411152148	020-5125-436.60-20	61.61
12/29/2017	289		PETROLEUM MARKETERS EQUIPT CO	PI 7629	114602	020-0000-141.00-00	89.00
12/29/2017	377		KIMS INTERNATIONAL	PI 7615	0102355	020-5400-434.60-20	33.72
				PI 7819	0102358	020-5415-435.60-20	42.98
12/29/2017	378		KSM EXCHANGE LLC	PI 7801	P30642	020-0000-141.00-00	153.23
12/29/2017	890		B & M OIL COMPANT - TULSA	PI 8033	0467047	020-0000-141.00-00	168.63
12/29/2017	1581		MID CONTINENT CONCRETE CO	PI 7827	1597858	020-5305-438.60-27	1,261.40
12/29/2017	5371		PREMIER TRUCK GROUP	PI 7628	125218890	020-0000-141.00-00	410.52
12/29/2017	5936		CONTINENTAL BATTERY CO	PI 7714	17191229171323	020-0000-141.00-00	259.68
12/29/2017	5941		LOWES	PI 7934	02701	020-5400-434.60-23	12.24
12/29/2017	9137		STOLZ TELECOM LLC	PI 7673	2896	020-0000-141.00-00	793.80
12/29/2017	9822		MORTON SALT INC	PI 7617	5401471386	020-5405-434.60-34	5,741.46
12/29/2017	9892		GOODYEAR COMMERCIAL TIRE	PI 7566	2541010050	020-0000-141.00-00	1,573.00
12/29/2017	10233		PETROLEUM TRADERS CORP	PI 7633	1211117	020-0000-141.00-00	13,662.50
12/29/2017	11124		H&H ROAD BORING CO LLC	PI 7777	635	020-5400-434.70-15	8,000.00
						12/29/2017 TOTAL -	34,418.53
						CUMULATIVE TOTAL -	316,611.26
12/31/2017	420		APAC-CENTRAL, INC	PI 7719	7001057368	020-5305-438.60-27	341.32
12/31/2017	2538		ENVIRONMENTAL IMPROVEMENTS INC	PI 7724	0037877	020-5405-434.60-45	6,204.06
				PI 7727	0037867	020-5410-435.60-45	458.00
12/31/2017	3444		ADMIRAL EXPRESS LLC	PI 7725	19221410	020-5205-419.70-19	3,208.29

FUND	020 BAMA	DATE DUE	VENDOR NO	VENDOR NAME	VOUCHER NO	INVOICE NO	ACCOUNT NO	AMOUNT
12/31/2017	10077			GULBRANSEN TECHNOLOGIES INC	PI 7786	91032922	020-5405-434.60-34	11,390.40
							12/31/2017 TOTAL -	21,602.07
							CUMULATIVE TOTAL -	338,213.33
1/02/2018	90			NAPA AUTO PARTS	PI 7961	2210888914	020-5305-438.60-20	25.30
					PI 7962	2210888930	020-5415-435.60-20	55.11
					PI 7963	2210888943	020-5125-436.60-21	41.93
					PI 7964	2210888946	020-5305-438.60-20	39.29
					PI 7965	2210888949	020-5115-437.60-20	43.94
1/02/2018	240			GRAINGER	PI 7797	9656949584	020-5410-435.60-45	701.10
1/02/2018	5941			LOWES	PI 7831	01075	020-5305-438.60-23	15.43
					PI 7834	01128	020-5405-434.60-23	93.12
1/02/2018	9892			GOODYEAR COMMERCIAL TIRE	PI 7761	2541010074	020-0000-141.00-00	3,067.92
					PI 7763	2541010073	020-0000-141.00-00	831.12
					PI 7789	2541010075	020-5125-436.60-19	146.56
					PI 7790	2541010075	020-5305-438.60-19	98.67
					PI 7791	2541010074	020-5125-436.60-19	9.95
1/02/2018	10233			PETROLEUM TRADERS CORP	PI 7894	1211697	020-0000-141.00-00	14,802.64
							1/02/2018 TOTAL -	19,972.08
							CUMULATIVE TOTAL -	358,185.41
1/03/2018	8			BRENNTAG SOUTHWEST INC	PI 7756	BSW919189	020-5410-435.60-34	1,623.63
					PI 7757	BSW919190	020-5410-435.60-34	748.63
1/03/2018	90			NAPA AUTO PARTS	PI 7895	2210889027	020-0000-141.00-00	18.77
					PI 7896	2210889027	020-0000-141.00-00	65.88
					PI 7897	2210889027	020-0000-141.00-00	86.52
					PI 7968	2210889061	020-5415-435.60-20	24.12
					PI 7970	2210889073	020-5305-438.60-20	67.73
					PI 7971	2210889075	020-5305-438.60-20	200.75
					PI 7976	2210889099	020-5305-438.60-20	215.64
					PI 7977	2210889100	020-5400-434.60-20	47.00
1/03/2018	159			DK MACHINE INC	005546	10691	020-5406-434.40-55	32.00
1/03/2018	218			GRAPHIC RESOURCES & PRODUCTION	005552	380191	020-5205-419.60-03	166.00
1/03/2018	225			SUMMIT TRUCK GROUP	PI 7857	411152308	020-0000-141.00-00	337.04
					PI 7890	411152321	020-0000-141.00-00	1,134.40
					PI 8067	411152400	020-5125-436.60-20	200.04
1/03/2018	341			HOIDALE CO INC	005555	1051126	020-5130-437.40-55	249.50
1/03/2018	1409			SMITH FARM & GARDEN CO	PI 7867	792980	020-5305-438.60-20	7.37
1/03/2018	2499			STONE COMPUTER AND COPIER SUPP	PI 7892	78104	020-0000-141.00-00	1,240.00
					PI 7893	78104	020-0000-141.00-00	1,503.60
1/03/2018	3964			THE ARROW GROUP	005570	65834	020-5205-419.30-11	30.00
1/03/2018	4513			CUSTOM SERVICES	005416	1279913	020-5415-435.60-41	183.74
1/03/2018	5282			THE MET	005429	2167	020-5125-436.50-10	9,558.29
1/03/2018	5410			UNITED RENTALS, INC	005572	151594438001	020-5410-435.40-32	432.20
1/03/2018	5941			LOWES	PI 7841	02571	020-5410-435.60-23	67.07
1/03/2018	6454			WASTE MANAGEMENT QUARRY LANDFI	005574	218979810064	020-5125-436.40-30	56.41
1/03/2018	6801			SHANNON MCKEE	005524	01/03/18	020-5410-435.30-11	23.00
1/03/2018	7709			WESTLAKE ACE HARDWARE	PI 8019	8028719	020-5415-435.60-23	53.97
1/03/2018	9754			HUTHER & ASSOCIATES, INC	005556	5885	020-5410-435.30-34	530.00
1/03/2018	9916			WASTE ZERO INC	005431	29931	020-5125-436.60-25	6,609.40
					005432	29870	020-5125-436.60-25	3,965.64

FUND 020 BAMA	DATE DUE	VENDOR NO	VENDOR NAME	VOUCHER NO	I NVOI CE NO	ACCOUNT NO	AMOUNT
				005433	29930	020-5125-436.60-25	17,184.44
				005575	30016	020-5125-436.60-25	19,356.10
1/03/2018	10127		FUELMAN	005548	BG2183727	020-5305-438.60-21	2.50
1/03/2018	10214		TULSA' S GREEN COUNTRY STAFFING	005430	59016	020-5125-436.50-37	6,154.20
1/03/2018	10407		ALLIANCE MAINTENANCE INC	005541	99819	020-1700-419.40-28	1,415.00
1/03/2018	10508		OPENGOV INC	005425	001124	020-1700-419.30-87	8,550.00
1/03/2018	11144		CROWN VILLAGE AT ELM RIDGE LLC	005670	FEB 2018	020-5305-438.40-28	838.75
						1/03/2018 TOTAL -	82,979.33
						CUMULATIVE TOTAL -	441,164.74
1/04/2018	90		NAPA AUTO PARTS	PI 7898	2210889190	020-0000-141.00-00	98.06
				PI 7899	2210889190	020-0000-141.00-00	4.58
				PI 7900	2210889190	020-0000-141.00-00	357.83
				PI 7981	2210889145	020-5400-434.60-20	4.64
				PI 7985	2210889185	020-5305-438.60-20	12.58
				PI 7989	2210889202	020-5305-438.60-20	13.60
				PI 7990	2210889218	020-5405-434.60-23	10.78
1/04/2018	225		SUMMIT TRUCK GROUP	PI 7858	411152500	020-0000-141.00-00	141.79
				PI 7874	411152449	020-5125-436.60-20	101.81
				PI 8022	411152482	020-5305-438.60-20	257.67
				PI 8071	411152497	020-5400-434.60-20	81.69
1/04/2018	724		O REILLY AUTOMOTIVE	PI 8003	0156210404	020-5415-435.60-20	14.42
1/04/2018	1409		SMITH FARM & GARDEN CO	PI 7868	793046	020-5305-438.60-20	5.07
1/04/2018	2585		TRUCKPRO, LLC	PI 8035	0310539320	020-0000-141.00-00	179.99
1/04/2018	5941		LOWES	PI 7844	02752	020-5405-434.60-23	177.77
				PI 7952	027725	020-5305-438.60-23	47.41
				PI 7953	13012	020-5406-434.60-23	53.12
1/04/2018	7346		OTTO ENGINEERING	PI 7891	977927	020-0000-141.00-00	1,627.89
1/04/2018	9151		CLEAN THE UNIFORM CO OKLAHOMA	005480	50859901	020-5120-437.40-31	100.45
				005481	50859898	020-5115-437.40-31	45.76
				005482	50860968	020-5100-437.40-33	4.00
				005483	50860969	020-5400-434.40-31	142.97
				005484	50860969	020-5406-434.40-31	48.53
				005485	50860970	020-5415-435.40-31	52.66
				005486	50860971	020-5115-437.40-31	45.76
				005487	50860973	020-5130-437.40-31	8.62
				005488	50860974	020-5120-437.40-31	105.02
				005489	50860975	020-5125-436.40-31	170.69
				005490	50860976	020-5120-437.40-33	29.00
				005526	50860351	020-5410-435.40-31	14.20
				005527	50860352	020-5410-435.40-33	4.00
				005530	50860967	020-5200-419.40-31	13.04
				005531	50861408	020-5405-434.40-28	8.10
				005532	50861406	020-5405-434.40-31	81.85
				005536	50862070	020-5130-437.40-31	8.62
				005537	50862072	020-5125-436.40-31	170.69
				005538	50862073	020-5120-437.40-33	25.00
				005539	50862073	020-5100-437.40-33	19.00
				005622	50862066	020-5400-434.40-31	142.97
				005623	50862066	020-5406-434.40-31	48.53
				005624	50862067	020-5415-435.40-31	52.66

FUND	020 BAMA	DATE DUE	VENDOR NO	VENDOR NAME	VOUCHER NO	INVOICE NO	ACCOUNT NO	AMOUNT
					005625	50862071	020-5120-437.40-31	105.02
					005732	50861401	020-5305-438.40-31	161.40
					005734	50861402	020-5305-438.40-33	2.60
					005736	50862068	020-5115-437.40-31	45.76
					005738	50862515	020-5305-438.40-31	161.40
					005740	50862516	020-5305-438.40-33	2.60
					005742	50862522	020-5405-434.40-31	81.85
							1/04/2018 TOTAL -	5,093.45
							CUMULATIVE TOTAL -	446,258.19
1/05/2018	37			ANCHOR STONE CO	PI 7948	180006709	020-5305-438.60-27	477.90
1/05/2018	90			NAPA AUTO PARTS	PI 7902	2210889301	020-0000-141.00-00	59.54
					PI 7903	2210889301	020-0000-141.00-00	4.14
					PI 7904	2210889301	020-0000-141.00-00	32.79
					PI 7996	2210889274	020-5125-436.60-20	1.49
1/05/2018	225			SUMMIT TRUCK GROUP	PI 7864	CM411152005	020-5125-436.60-20	82.50
					PI 7905	411152577	020-0000-141.00-00	56.48
					PI 7906	411152577	020-0000-141.00-00	143.19
					PI 8072	411152574	020-5400-434.60-20	783.06
					PI 8073	411152587	020-5400-434.60-20	171.27
1/05/2018	377			KIMS INTERNATIONAL	PI 8009	0102436	020-5125-436.60-20	46.81
					PI 8010	0102447	020-5305-438.60-20	514.96
1/05/2018	4311			UNITED FORD	PI 8006	2998949	020-5400-434.60-20	30.29
1/05/2018	5371			PREMIER TRUCK GROUP	PI 8021	125219414	020-5125-436.60-20	106.19
					PI 8029	125219493	020-5125-436.60-20	105.83
1/05/2018	5936			CONTINENTAL BATTERY CO	PI 7907	10930105181315	020-0000-141.00-00	122.80
					PI 8034	10930105181316	020-0000-141.00-00	350.68
1/05/2018	5941			LOWES	PI 7845	02900	020-5405-434.60-23	64.10
					PI 7846	13325	020-5400-434.60-23	12.31
					PI 7955	02829	020-5305-438.60-23	22.18
					PI 7956	02892	020-5406-434.60-23	56.96
					PI 7957	02911	020-5305-438.60-23	120.62
1/05/2018	7302			IMAJENUS INC.	PI 7943	5759	020-5415-435.60-20	88.95
1/05/2018	8353			BISHOP LIFTING PRODUCTS INC	PI 7715	TUL-PSI 30908	020-0000-141.00-00	388.00
1/05/2018	9892			GOODYEAR COMMERCIAL TIRE	PI 7762	2541010091	020-0000-141.00-00	6,828.67
					PI 7792	2541010091	020-5125-436.60-19	59.70
					PI 7901	2541010093	020-0000-141.00-00	807.12
1/05/2018	10946			AMERIFLEX HOSE & ACCESSORIES	PI 7960	299910	020-5305-438.60-20	171.80
							1/05/2018 TOTAL -	11,545.33
							CUMULATIVE TOTAL -	457,803.52
1/08/2018	42			ARROW SAFE AND LOCK INC	PI 7950	71292	020-5120-437.60-23	48.95
1/08/2018	90			NAPA AUTO PARTS	PI 8054	2210889526	020-5415-435.60-20	21.41
1/08/2018	148			WARREN POWER & MACHINERY, INC.	PI 8020	PS100662647	020-5415-435.60-20	769.73
1/08/2018	168			TULSA NEW HOLLAND	PI 7909	478057	020-0000-141.00-00	12.09
1/08/2018	225			SUMMIT TRUCK GROUP	PI 7908	411152664	020-0000-141.00-00	86.43
					PI 8074	CM411152574	020-5400-434.60-20	783.06
					PI 8075	CM411152587	020-5400-434.60-20	171.27
1/08/2018	377			KIMS INTERNATIONAL	PI 8011	0102473	020-5305-438.60-20	55.28
					PI 8012	0102476	020-5305-438.60-20	36.02
1/08/2018	1409			SMITH FARM & GARDEN CO	PI 8016	793190	020-5415-435.60-20	183.87

FUND	020 BAMA	DATE	VENDOR	VENDOR	VOUCHER	I NVOI CE	ACCOUNT	AMOUNT
		DUE	NO	NAME	NO	NO	NO	
1/08/2018	1589			SEWER EQUI PTMENT OF AMERI CA	PI 8030	0000162118	020-5415-435.60-20	833.56
1/08/2018	3444			ADMIRAL EXPRESS LLC	005595	C19212190	020-5100-437.60-03	122.44-
					005596	174063S	020-5100-437.60-03	334.78
					005603	C19171160	020-5205-419.60-03	40.99-
					005604	174177S	020-5205-419.60-03	761.07
					005607	174414S	020-0503-415.60-03	178.06
					005612	174070S	020-5410-435.60-24	279.57
					005613	174070S	020-5410-435.60-03	143.89
					005614	174229S	020-5305-438.60-24	123.23
					005615	C1919797	020-5305-438.60-03	78.95-
					005616	174229S	020-5305-438.60-03	150.48
					005618	174182S	020-5400-434.60-03	222.16
1/08/2018	4311			UNITED FORD	PI 8036	3000176	020-0000-141.00-00	109.15
1/08/2018	5371			PREMIER TRUCK GROUP	PI 8077	125219700	020-5400-434.60-20	164.26
1/08/2018	9892			GOODYEAR COMMERCIAL TI RE	PI 8078	2541010109	020-5400-434.60-19	770.40
							1/08/2018 TOTAL -	4,087.68
							CUMULATIVE TOTAL -	461,891.20
1/09/2018	40			AVB	005715	DEC 2017	020-0503-415.50-28	401.09
1/09/2018	90			NAPA AUTO PARTS	PI 8056	2210889575	020-5415-435.60-20	25.79
					PI 8058	2210889609	020-5120-437.60-23	10.25
					PI 8059	2210889614	020-5305-438.60-20	17.12
1/09/2018	168			TULSA NEW HOLLAND	PI 8044	477862	020-5305-438.60-20	841.60
1/09/2018	225			SUMMIT TRUCK GROUP	PI 8068	411210784	020-5125-436.40-20	325.00
					PI 8069	411210823	020-5400-434.40-20	325.00
					PI 8076	411152793	020-5400-434.60-20	529.12
					PI 8079	411152803	020-5125-436.60-20	75.36
1/09/2018	241			GRAND RIVER DAM AUTHORITY	005719	45555	020-5405-434.50-94	561.96
1/09/2018	257			SAFETY KLEEN CORP	005694	75510785	020-5120-437.40-33	352.15
1/09/2018	307			OTA PI KEPASS CENTER	005648	20171295820	020-5120-437.50-03	4.20
					005649	20171295820	020-5125-436.50-03	199.35
					005650	20171295820	020-5200-419.50-03	21.10
					005651	20171295820	020-5205-419.50-03	3.10
					005652	20171295820	020-5210-419.50-03	.70
					005653	20171295820	020-5305-438.50-03	26.25
					005654	20171295820	020-5400-434.50-03	8.69
					005655	20171295820	020-5405-434.50-03	2.95
					005656	20171295820	020-5406-434.50-03	4.75
					005657	20171295820	020-5410-435.50-03	283.91
1/09/2018	355			INCOG	005720	222062	020-1700-419.30-85	1,836.37
					005722	222070	020-1700-419.30-85	9,796.87
1/09/2018	1756			CENTRAL PARK TAG AGENCY	005632	L1876204768	020-5305-438.70-04	47.50
1/09/2018	2137			PRO OVERHEAD DOOR	005693	137474	020-5100-437.40-07	305.00
1/09/2018	2529			PHOENIX RECYCLING	005661	122117BA	020-5120-437.50-86	52.00
1/09/2018	3964			THE ARROW GROUP	005701	66010	020-1700-419.50-76	126.00
					005703	66011	020-1700-419.50-76	2,014.50
1/09/2018	5941			LOWES	PI 8052	02570	020-5130-437.60-23	11.39
1/09/2018	6454			WASTE MANAGEMENT QUARRY LANDFI	005730	219127010060	020-5125-436.40-30	673.79
1/09/2018	8018			THE UPS STORE #3764	005704	14396	020-5130-437.50-39	19.68
					005705	14398	020-5130-437.50-39	17.85
					005706	14506	020-5130-437.50-39	20.62

FUND	020 BAMA						
DATE	VENDOR	VENDOR	VOUCHER	INVOICE	ACCOUNT		AMOUNT
DUE	NO	NAME	NO	NO	NO		
			005707	14520	020-5130-437.50-39		28.98
			005708	14534	020-5130-437.50-39		28.52
1/09/2018	8165	ONLINE INFORMATION SERVICES	005660	830585	020-0503-415.50-28		502.20
1/09/2018	8260	DATAPROSE INC	005685	DP1703905	020-0503-415.50-28		6,969.38
			005686	DP1703905	020-0503-415.50-39		15,318.38
1/09/2018	10214	TULSA'S GREEN COUNTRY STAFFING	005664	59188	020-5125-436.50-37		7,410.00
					1/09/2018 TOTAL -		49,198.47
					CUMULATIVE TOTAL -		511,089.67
1/10/2018	5371	PREMIER TRUCK GROUP	PI 8070	CM125219414	020-5125-436.60-20		106.19-
					1/10/2018 TOTAL -		106.19-
					CUMULATIVE TOTAL -		510,983.48
1/16/2018	113	WAGONER COUNTY RURAL WATER #4	001013	367100	020-5415-435.50-23		13.43
1/16/2018	309	OKLAHOMA NATURAL GAS CO	002830	114920245	020-5415-435.50-24		23.56
			004634	178921936	020-1700-419.50-24		81.37
			004636	178922373	020-1700-419.50-24		88.42
			004643	253746873	020-5415-435.50-24		41.98
			004644	183825191	020-5415-435.50-24		99.07
			004645	253746509	020-5415-435.50-24		41.98
			004646	253746364	020-5415-435.50-24		41.53
			005460	219682564	020-5100-437.50-24		170.03
			005464	111356527	020-5305-438.50-24		196.35
			005465	253746873	020-5415-435.50-24		.63
			005466	253746364	020-5415-435.50-24		.62
			005467	253746509	020-5415-435.50-24		.63
			005468	253868218	020-5415-435.50-24		41.62
			005600	254063282	020-5415-435.50-24		.85
			008116	111532618	020-5415-435.50-24		24.76
			008724	254063282	020-5415-435.50-24		56.36
1/16/2018	442	AMERICAN ELECTRIC POWER	000156	9511708090	020-5100-437.50-25		165.02
			000157	9514846980	020-5120-437.50-25		40.57
			000158	9515293420	020-5100-437.50-25		972.53
			000159	9527441030	020-5120-437.50-25		1,163.08
			000160	9589441030	020-5100-437.50-25		707.89
			000165	9526531031	020-5410-435.50-25		6,530.40
			000166	9574890770	020-5410-435.50-25		16,930.87
			000167	9594523000	020-5410-435.50-25		75.00
			000326	9572394130	020-5415-435.50-25		90.15
			000931	9515241030	020-5415-435.50-25		986.12
			000975	9553112580	020-5415-435.50-25		5,303.51
			001202	9552921030	020-5415-435.50-25		46.55
			001900	9591574610	020-5415-435.50-25		50.75
			004697	9597631030	020-5415-435.50-25		89.61
			005276	9504700320	020-5415-435.50-25		46.61
			005277	9520493673	020-5415-435.50-25		75.86
			005278	9528706400	020-5415-435.50-25		46.76
			005280	9544731030	020-5415-435.50-25		76.25
			005282	9563338071	020-5415-435.50-25		116.79
			005283	9565957711	020-5415-435.50-25		47.44
			005284	9566631030	020-5415-435.50-25		54.54

FUND	020 BAMA	DATE DUE	VENDOR NO	VENDOR NAME	VOUCHER NO	I NVOI CE NO	ACCOUNT NO	AMOUNT
					005285	9567901211	020-5415-435.50-25	1,372.25
					005286	9571918810	020-5415-435.50-25	202.93
					005290	9595686240	020-5415-435.50-25	2,689.60
					005291	9598068762	020-5415-435.50-25	76.64
					005294	9523741030	020-5415-435.50-25	164.42
					005295	9528041030	020-5415-435.50-25	50.89
					005296	9540041030	020-5415-435.50-25	101.85
					005303	9581731030	020-5415-435.50-25	113.55
					005304	9588531030	020-5415-435.50-25	100.20
					005305	9591431030	020-5415-435.50-25	116.72
					005306	9593621030	020-5415-435.50-25	54.87
					005436	9521969410	020-5305-438.50-25	125.00
					005437	9562295260	020-5305-438.50-25	40.57
					005438	9568940540	020-5305-438.50-25	161.03
					005441	9509512540	020-5400-434.50-25	48.75
					005442	9520400250	020-5400-434.50-25	53.21
					005443	9529037750	020-5400-434.50-25	252.65
					005444	9535827230	020-5400-434.50-25	771.45
					005445	9525157130	020-5400-434.50-25	57.69
					005446	9572008130	020-5400-434.50-25	278.94
					005447	9579897130	020-5400-434.50-25	54.04
					005448	9579957130	020-5400-434.50-25	61.82
					005586	95832410302	020-5415-435.50-25	1.05
					005935	9540921930	020-5415-435.50-25	130.50
					005936	9563531030	020-5415-435.50-25	50.89
					006140	9506407251	020-5415-435.50-25	134.46
1/16/2018	888			PREFERRED BUSINESS SYSTEMS	008726	9524580750	020-5415-435.50-25	230.16
					002937	078186	020-5410-435.40-33	167.00
1/16/2018	1307			CITY OF TULSA UTILITIES	002938	078209	020-5400-434.40-33	165.00
					000843	108291766	020-5405-434.40-93	687.27
					000844	106727183	020-5405-434.40-93	4,604.09
1/16/2018	6347			COX COMMUNICATIONS	004705	108753518	020-5125-436.40-30	310.75
					002712	066381301	020-5100-437.50-22	577.09
1/16/2018	7724			WINDSTREAM	002713	066260701	020-5410-435.50-23	189.94
					007885	0351000542	020-5205-419.50-22	2.30
					008976	2598272	020-5100-437.50-22	278.44
					008978	0351000560	020-5405-434.50-22	275.68
					008979	2513145	020-5405-434.50-22	37.42
					008980	4554762	020-5410-435.50-22	191.94
					008981	2501858	020-5410-435.50-22	42.52
					008982	3558751	020-5415-435.50-22	37.42
					008983	3554226	020-5415-435.50-22	37.42
					008984	3572456	020-5415-435.50-22	37.42
					008985	3572503	020-5415-435.50-22	37.42
1/16/2018	10381			CROSSLAND CONSTRUCTION COMPANY,	002914	FEB 2018	020-0000-234.04-00	50,748.64
					002915	FEB 2018	020-1700-419.80-02	3,039.27
							1/16/2018 TOTAL -	103,502.65
							FUND 020 TOTAL -	614,486.13

PREPARED 1/12/18, 6:38:34
PROGRAM GM314L
CITY OF BROKEN ARROW

ACCOUNTS PAYABLE BY FUND/ DUE DATE

PAGE 20

FUND	021 BAMA	SALES TAX					
DATE	VENDOR		VENDOR	VOUCHER	I NVOI CE	ACCOUNT	AMOUNT
DUE	NO		NAME	NO	NO	NO	
1/03/2018	1211		BANK OF OKLAHOMA N A	005668	600024642	021-5410-476.82-01	500.00
						1/03/2018 TOTAL -	500.00
						CUMULATI VE TOTAL -	500.00
1/09/2018	3125		MUNI CI PAL FI NANCE SERVI CES	005691	01/11/18	021-5410-476.82-01	27,000.00
1/09/2018	8023		KI SER LAW FI RM PLLC	005690	01/11/18	021-5410-476.82-01	27,000.00
						1/09/2018 TOTAL -	54,000.00
						FUND 021 TOTAL -	54,500.00