



City of Broken Arrow
Meeting Agenda
Broken Arrow City Council

City Hall
220 S 1st Street
Broken Arrow OK
74012

Mayor Craig Thurmond
Vice Mayor Richard Carter
Council Member Mike Lester
Council Member Johnnie Parks
Council Member Scott Eudey

Tuesday, February 28, 2017

6:00 PM

Public Safety Complex
1101 North 6th Street
Broken Arrow, Oklahoma 74102

NOTICE AND AGENDA OF SPECIAL JOINT MEETING

- 1. Call to Order the Broken Arrow City Council**
- 2. Call to Order the Broken Arrow Municipal Authority**
- 3. Roll Call for the Broken Arrow City Council**
- 4. Roll Call for the Broken Arrow Municipal Authority**
- 5. Consideration of Consent Agenda**

- A. [17-1888](#) Award the lowest responsible bid to Cook Consulting, LLC, and authorization to execute a construction contract for 209th Street Lift Station and Force Main, Phase I, in the amount of \$615,850.00 (Project No. S.1608A), including the alternate for High Density Polyethylene (HDPE) Pipe

Attachments: [170222 Location Map for BAMA](#)
 [170223 CERTIFIED BID TAB S.1608A](#)
 [170223 Ltr fr Cook Capability and Schedule](#)

- B. [17-1889](#) Award the lowest responsible bid to Cook Consulting, LLC, and authorization to execute a construction contract for 209th Street Lift Station and Force Main, Phase II, in the amount of \$332,608.50 (Project No. S.1608B), including the alternate for High Density Polyethylene (HDPE) Pipe

Attachments: [170222 Location Map for BAMA](#)
 [170223 CERTIFIED BID TAB S.1608B](#)
 [170223 Ltr fr Cook Capability and Schedule](#)

- 6. Consideration of Items Removed from Consent Agenda**
- 7. General Council and Authority Business**

- A. [17-1887](#) Presentation, discussion, and study session on the Long-Term Water Supply Study Report

8. Remarks and Inquiries by Governing Body Members

9. Remarks by City Manager

10. Adjournment of the Broken Arrow City Council

11. Adjournment of the Broken Arrow Municipal Authority

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 #: 17-1888, Version: 1

**Broken Arrow Municipal Authority
Special Meeting of: 02-28-17**

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

Title: Award the lowest responsible bid to Cook Consulting, LLC, and authorization to execute a construction contract for 209th Street Lift Station and Force Main, Phase I, in the amount of \$615,850.00 (Project No. S.1608A), including the alternate for High Density Polyethylene (HDPE) Pipe

Background:

The 209th Street Lift Station currently drains to the Timberbrook Lift Station, which is at capacity. The new Broken Arrow Public Schools Elementary and Middle Schools under construction on the west side of 37th Street (209th E. Ave.) will be connected to the 209th Lift Station, which must be upgraded and the flows redirected to the County Line Trunk Sewer in order to provide adequate capacity for the additional load from the schools as well as other development in the vicinity. The new force main will be located on the south side of Kenosha Street and will cross under the Creek Turnpike, then parallel the Adams Creek Northwest force main to the County Line trunk sewer just north of State Highway 51. Right-of-way has been acquired and a license to bore under the Turnpike is forthcoming.

Because the timing of the lift station and force main is critical due to the school opening in August 2017, the contract was divided into two phases to ensure that two crews will be working simultaneously on the project. Phase I includes the lift station upgrade and the force main to 37th Street, and Phase II includes the remaining force main to the County Line Trunk Sewer (see attached map). An alternate for fusible High Density Polyethylene (HDPE) pipe in lieu of Polyvinyl Chloride (PVC) pipe was included in both bids. Both projects were advertised on January 31 and February 7, 2017, and bids were opened for both on February 23, 2017. Six (6) bids were received for Phase I. The low bidder was Cook Consulting, LLC, with a bid of \$594,113.00 for the Base Contract and \$615,850.00 for the Alternate (HDPE pipe). The engineer's estimate was \$747,480.00 for the Base Contract and \$866,440.00 for the Alternate. The certified bid tabulation is attached. Because the durability and ease of construction of HDPE pipe justifies the extra expense, and the total cost is well within the budgeted amount of the OWRB loan, Staff recommends award of the 209th Street Lift Station and Force Main - Phase I Alternate to the lowest responsible bidder, Cook Consulting, LLC, in the amount of \$615,850.00.

Cook Consulting, LLC, was the low bidder for both Phase I and Phase II. They have provided assurances that they have personnel and equipment to field two crews to construct both jobs simultaneously, and their intent to do so (attached letter). Therefore, Staff recommends award of both projects to Cook Consulting, LLC.

Funds for the work are available in Oklahoma Water Resources Board Loan No. FAP-17-0004-L.

Cost: \$615,850.00

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

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

Approved By: Michael L. Spurgeon, City Manager

Attachments: Map of Project
Certified Bid Tabulation
Letter from Cook Consulting, LLC

Recommendation:

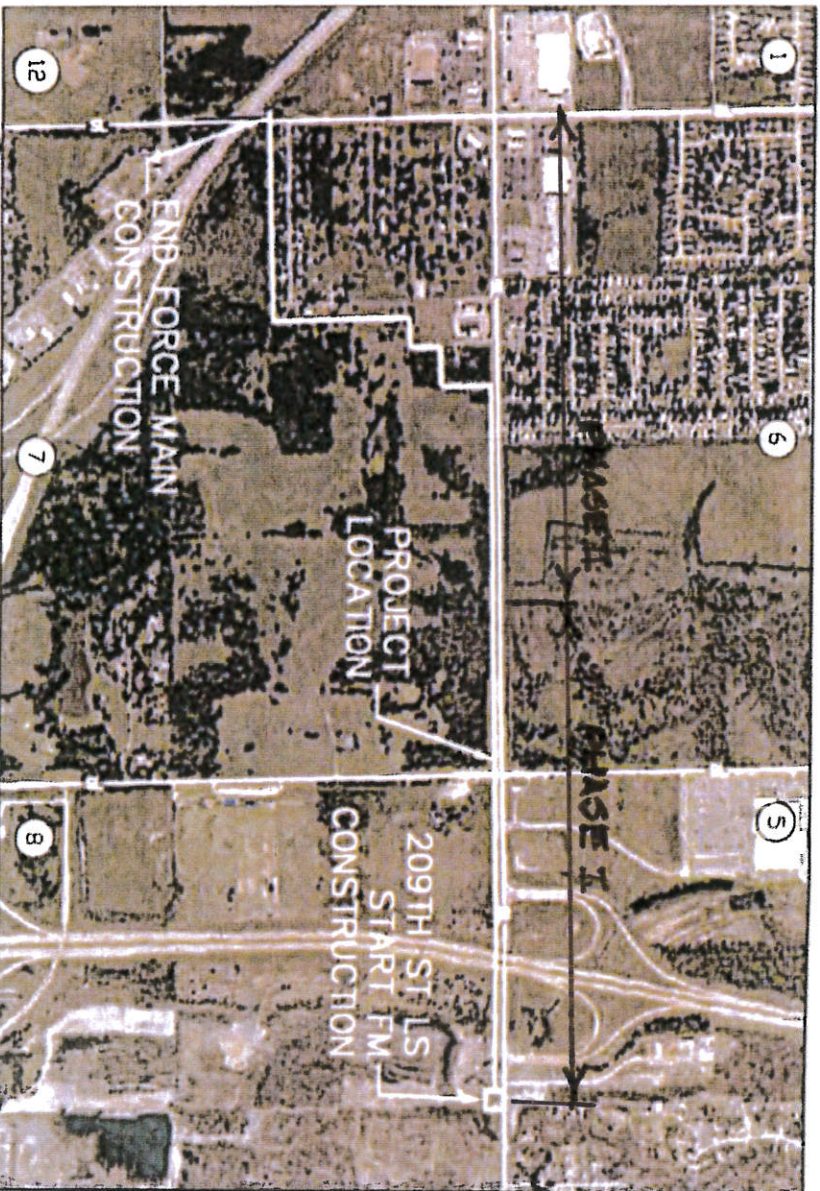
Award the lowest responsible bid to Cook Consulting, LLC, and authorize execution of a construction contract for the 209th Street Lift Station and Force Main - Phase I, plus alternate for HDPE Pipe

BAMA PROJECT NUMBER S.1608A
209TH STREET LIFT STATION

AND FORCE MAIN

TULSA COUNTY | WAGONER COUNTY

T-18-N T-18-N
R-14-E R-15-E



KENOSHA
(E. 71ST ST. S.)

COUNTY LINE
(S. 193RD E. AVE.)

S. 209TH E. AVE.

PROJECT LOCATION SECTION 7 & 8, T-18-N, R-15-E, WAGONER COUNTY
PROJECT LOCATION SECTION 12, T-18-N, R-14-E, TULSA COUNTY

BID TAB
209th STREET LIFT STATION AND FORCE MAIN - PHASE I
PROJECT NO. S.1608B FAP-17-0004-L BID NO. 17.144

BID OPENING FEBRUARY 23, 2017 AT 2PM IN THE CITY OF BROKEN ARROW OPERATIONS BUILDING

BASE BID:					ENGINEER'S ESTIMATE		COOK CONSULTING, LLC		CHEROKEE PRIDE CONSTRUCTION, INC.		KALKA CONSTRUCTION COMPANY		MCGUIRE BROTHERS CONSTRUCTION, INC.		MSB CONSTRUCTION, INC.		R.L. HENSLEY CONSTRUCTION, INC.	
ITEM #	SPEC.	DESCRIPTION	UNIT	QTY	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION
1	BA310	R.O.W. CLEARING AND RESTORATION	LF	3,568	\$ 5.00	\$ 17,840.00	\$ 1.00	\$ 3,568.00	\$ 1.00	\$ 3,568.00	\$ 3.00	\$ 10,704.00	\$ 2.00	\$ 7,136.00	\$ 2.00	\$ 7,136.00	\$ 13.50	\$ 48,168.00
2	BA311A	COMMON EXCAVATION	CY	1,800	\$ 6.00	\$ 10,800.00	\$ 1.00	\$ 1,800.00	\$ 10.00	\$ 18,000.00	\$ 25.00	\$ 45,000.00	\$ 2.00	\$ 3,600.00	\$ 5.00	\$ 9,000.00	\$ 12.00	\$ 21,600.00
3	BA311B	ROCK EXCAVATION	CY	185	\$ 50.00	\$ 9,250.00	\$ 35.00	\$ 6,475.00	\$ 100.00	\$ 18,500.00	\$ 125.00	\$ 23,125.00	\$ 60.00	\$ 11,100.00	\$ 100.00	\$ 18,500.00	\$ 210.00	\$ 38,850.00
4	BA312	COMMON BACKFILL AND COMPACTION	CY	2,160	\$ 8.00	\$ 17,280.00	\$ 1.00	\$ 2,160.00	\$ 2.00	\$ 4,320.00	\$ 25.00	\$ 54,000.00	\$ 2.00	\$ 4,320.00	\$ 2.00	\$ 4,320.00	\$ 6.00	\$ 12,960.00
5	BA314	BORE AND 24" STEEL CASING (1/4" WALL THICKNESS)	LF	450	\$ 280.00	\$ 126,000.00	\$ 200.00	\$ 90,000.00	\$ 220.00	\$ 99,000.00	\$ 275.00	\$ 123,750.00	\$ 480.00	\$ 216,000.00	\$ 480.00	\$ 216,000.00	\$ 450.00	\$ 202,500.00
6	BA330C	PLAIN CONCRETE (CONCRETE CRADLE/ENCASEMENT)	CY	10	\$ 100.00	\$ 1,000.00	\$ 185.00	\$ 1,850.00	\$ 1,000.00	\$ 10,000.00	\$ 500.00	\$ 5,000.00	\$ 100.00	\$ 1,000.00	\$ 200.00	\$ 2,000.00	\$ 350.00	\$ 3,500.00
7	BA330C	PLAIN CONCRETE (THRUST BLOCKING)	CY	30	\$ 120.00	\$ 3,600.00	\$ 185.00	\$ 5,550.00	\$ 500.00	\$ 15,000.00	\$ 500.00	\$ 15,000.00	\$ 100.00	\$ 3,000.00	\$ 150.00	\$ 4,500.00	\$ 350.00	\$ 10,500.00
8	BA502	12" FORCE MAIN (PVC C900 DR-18)	LF	3,568	\$ 45.00	\$ 160,560.00	\$ 30.00	\$ 107,040.00	\$ 80.00	\$ 285,440.00	\$ 31.40	\$ 112,035.20	\$ 58.00	\$ 206,944.00	\$ 39.00	\$ 139,152.00	\$ 41.00	\$ 146,288.00
9	BA502	12" FORCE MAIN (PVC C900 DR-18), RJ	LF	450	\$ 65.00	\$ 29,250.00	\$ 32.00	\$ 14,400.00	\$ 120.00	\$ 54,000.00	\$ 47.40	\$ 21,330.00	\$ 63.00	\$ 28,350.00	\$ 60.00	\$ 27,000.00	\$ 62.00	\$ 27,900.00
10	BA510A1	12" 22.5 DEGREE BEND (DIP C153), RJ	EA	1	\$ 500.00	\$ 500.00	\$ 400.00	\$ 400.00	\$ 400.00	\$ 400.00	\$ 1,101.00	\$ 1,101.00	\$ 360.00	\$ 360.00	\$ 750.00	\$ 750.00	\$ 600.00	\$ 600.00
11	BA510A2	12" 45 DEGREE BEND (DIP C153), RJ	EA	9	\$ 500.00	\$ 4,500.00	\$ 405.00	\$ 3,645.00	\$ 400.00	\$ 3,600.00	\$ 1,101.00	\$ 9,909.00	\$ 370.00	\$ 3,330.00	\$ 750.00	\$ 6,750.00	\$ 600.00	\$ 5,400.00
12	BA510A3	12" 90 DEGREE BEND (DIP C153), RJ	EA	1	\$ 500.00	\$ 500.00	\$ 425.00	\$ 425.00	\$ 400.00	\$ 400.00	\$ 1,101.00	\$ 1,101.00	\$ 390.00	\$ 390.00	\$ 750.00	\$ 750.00	\$ 600.00	\$ 600.00
13	BA654(C)	2" AIR RELIEF VALVE AND VAULT	EA	4	\$ 7,000.00	\$ 28,000.00	\$ 3,125.00	\$ 12,500.00	\$ 2,500.00	\$ 10,000.00	\$ 5,263.24	\$ 21,052.96	\$ 4,500.00	\$ 18,000.00	\$ 3,500.00	\$ 14,000.00	\$ 7,100.00	\$ 28,400.00
14	221(C)	SILT FENCE	LF	2,000	\$ 2.00	\$ 4,000.00	\$ 2.00	\$ 4,000.00	\$ 1.00	\$ 2,000.00	\$ 6.00	\$ 12,000.00	\$ 3.00	\$ 6,000.00	\$ 3.00	\$ 6,000.00	\$ 4.00	\$ 8,000.00
15	221(F)	SILT DIKE	LF	500	\$ 6.00	\$ 3,000.00	\$ 2.50	\$ 1,250.00	\$ 2.00	\$ 1,000.00	\$ 10.00	\$ 5,000.00	\$ 6.00	\$ 3,000.00	\$ 5.00	\$ 2,500.00	\$ 6.00	\$ 3,000.00
16	230(A)	SOLID SLAB SODDING	SY	1,000	\$ 3.00	\$ 3,000.00	\$ 4.00	\$ 4,000.00	\$ 3.00	\$ 3,000.00	\$ 6.00	\$ 6,000.00	\$ 3.00	\$ 3,000.00	\$ 3.00	\$ 3,000.00	\$ 7.00	\$ 7,000.00
17	303(A)	CLASS A AGGREGATE BASE (TRENCH STABILIZATION)	CY	10	\$ 40.00	\$ 400.00	\$ 55.00	\$ 550.00	\$ 100.00	\$ 1,000.00	\$ 45.00	\$ 450.00	\$ 50.00	\$ 500.00	\$ 30.00	\$ 300.00	\$ 82.00	\$ 820.00
18	642	CONSTRUCTION STAKING	EA	1	\$ 8,000.00	\$ 8,000.00	\$ 4,500.00	\$ 4,500.00	\$ 4,000.00	\$ 4,000.00	\$ 6,000.00	\$ 6,000.00	\$ 5,000.00	\$ 5,000.00	\$ 7,500.00	\$ 7,500.00	\$ 4,100.00	\$ 4,100.00
19	SPECIAL	209TH STREET LIFT STATION IMPROVEMENTS (COMPLETE)	EA	1	\$ 300,000.00	\$ 300,000.00	\$ 310,000.00	\$ 310,000.00	\$ 218,000.00	\$ 218,000.00	\$ 395,000.00	\$ 395,000.00	\$ 445,000.00	\$ 445,000.00	\$ 500,000.00	\$ 500,000.00	\$ 457,000.00	\$ 457,000.00
20	SPECIAL	CONSTRUCTION ALLOWANCE	ALLOW	1	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00
TOTAL BASE BID					\$	747,480.00	\$	594,113.00	\$	771,228.00	\$	887,558.16	\$	986,030.00	\$	989,158.00	\$	1,047,186.00
ALTERNATE NO. 1:																		
ITEM #	SPEC.	DESCRIPTION	UNIT	QTY	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION
A1	BA310	R.O.W. CLEARING AND RESTORATION	LF	3,568	\$ 5.00	\$ 17,840.00	\$ 1.00	\$ 3,568.00	\$ 1.00	\$ 3,568.00	\$ 3.00	\$ 10,704.00	\$ 2.00	\$ 7,136.00	\$ 2.00	\$ 7,136.00	\$ 13.50	\$ 48,168.00
A2	BA311A	COMMON EXCAVATION	CY	1,800	\$ 6.00	\$ 10,800.00	\$ 1.00	\$ 1,800.00	\$ 10.00	\$ 18,000.00	\$ 25.00	\$ 45,000.00	\$ 2.00	\$ 3,600.00	\$ 5.00	\$ 9,000.00	\$ 12.00	\$ 21,600.00
A3	BA311B	ROCK EXCAVATION	CY	185	\$ 50.00	\$ 9,250.00	\$ 35.00	\$ 6,475.00	\$ 100.00	\$ 18,500.00	\$ 125.00	\$ 23,125.00	\$ 60.00	\$ 11,100.00	\$ 300.00	\$ 55,500.00	\$ 210.00	\$ 38,850.00
A4	BA312	COMMON BACKFILL AND COMPACTION	CY	2,160	\$ 8.00	\$ 17,280.00	\$ 1.00	\$ 2,160.00	\$ 2.00	\$ 4,320.00	\$ 25.00	\$ 54,000.00	\$ 2.00	\$ 4,320.00	\$ 2.00	\$ 4,320.00	\$ 6.00	\$ 12,960.00
A5	BA314	BORE AND 24" STEEL CASING (1/4" WALL THICKNESS)	LF	450	\$ 280.00	\$ 126,000.00	\$ 200.00	\$ 90,000.00	\$ 220.00	\$ 99,000.00	\$ 275.00	\$ 123,750.00	\$ 480.00	\$ 216,000.00	\$ 480.00	\$ 216,000.00	\$ 450.00	\$ 202,500.00
A6	BA330C	PLAIN CONCRETE (CONCRETE CRADLE/ENCASEMENT)	CY	30	\$ 100.00	\$ 3,000.00	\$ 185.00	\$ 5,550.00	\$ 1,000.00	\$ 30,000.00	\$ 500.00	\$ 15,000.00	\$ 100.00	\$ 3,000.00	\$ 200.00	\$ 6,000.00	\$ 350.00	\$ 10,500.00
A7	BA654(C)	2" AIR RELIEF VALVE AND VAULT	EA	11	\$ 7,000.00	\$ 77,000.00	\$ 2,087.00	\$ 22,957.00	\$ 3,500.00	\$ 38,500.00	\$ 5,263.00	\$ 57,893.00	\$ 4,500.00	\$ 49,500.00	\$ 150.00	\$ 1,650.00	\$ 7,700.00	\$ 84,700.00
A8	221(C)	SILT FENCE	LF	2,000	\$ 2.00	\$ 4,000.00	\$ 2.00	\$ 4,000.00	\$ 1.00	\$ 2,000.00	\$ 6.00	\$ 12,000.00	\$ 3.00	\$ 6,000.00	\$ 3.00	\$ 6,000.00	\$ 4.00	\$ 8,000.00
A9	221(F)	SILT DIKE	LF	500	\$ 6.00	\$ 3,000.00	\$ 2.50	\$ 1,250.00	\$ 2.00	\$ 1,000.00	\$ 10.00	\$ 5,000.00	\$ 6.00	\$ 3,000.00	\$ 5.00	\$ 2,500.00	\$ 6.00	\$ 3,000.00
A10	230(A)	SOLID SLAB SODDING	SY	1,000	\$ 3.00	\$ 3,000.00	\$ 4.00	\$ 4,000.00	\$ 3.00	\$ 3,000.00	\$ 6.00	\$ 6,000.00	\$ 3.00	\$ 3,000.00	\$ 3.00	\$ 3,000.00	\$ 6.00	\$ 6,000.00
A11	303(A)	CLASS A AGGREGATE BASE (TRENCH STABILIZATION)	CY	10	\$ 40.00	\$ 400.00	\$ 55.00	\$ 550.00	\$ 100.00	\$ 1,000.00	\$ 45.00	\$ 450.00	\$ 50.00	\$ 500.00	\$ 30.00	\$ 300.00	\$ 82.00	\$ 820.00
A12	642	CONSTRUCTION STAKING	EA	1	\$ 8,000.00	\$ 8,000.00	\$ 4,500.00	\$ 4,500.00	\$ 4,000.00	\$ 4,000.00	\$ 6,000.00	\$ 6,000.00	\$ 5,000.00	\$ 5,000.00	\$ 7,500.00	\$ 7,500.00	\$ 4,100.00	\$ 4,100.00
A13	SPECIAL	12" FORCE MAIN (DIPS HDPE DR11)	LF	4,018	\$ 65.00	\$ 261,170.00	\$ 32.50	\$ 130,585.00	\$ 150.00	\$ 602,700.00	\$ 35.00	\$ 140,630.00	\$ 68.00	\$ 273,224.00	\$ 51.00	\$ 204,918.00	\$ 56.00	\$ 225,008.00
A14	SPECIAL	12" 22.5 DEGREE BEND (DIPS HDPE DR11)	EA	1	\$ 300.00	\$ 300.00	\$ 445.00	\$ 445.00	\$ 2,500.00	\$ 2,500.00	\$ 1,101.00	\$ 1,101.00	\$ 500.00	\$ 500.00	\$ 1,000.00	\$ 1,000.00	\$ 1,400.00	\$ 1,400.00
A15	SPECIAL	12" 45 DEGREE BEND (DIPS HDPE DR11)	EA	11	\$ 300.00	\$ 3,300.00	\$ 445.00	\$ 4,895.00	\$ 2,500.00	\$ 27,500.00	\$ 1,101.00	\$ 12,111.00	\$ 500.00	\$ 5,500.00	\$ 1,000.00	\$ 11,000.00	\$ 1,900.00	\$ 20,900.00
A16	SPECIAL	12" 90 DEGREE BEND (DIPS HDPE DR11)	EA	7	\$ 300.00	\$ 2,100.00	\$ 445.00	\$ 3,115.00	\$ 2,500.00	\$ 17,500.00	\$ 1,101.00	\$ 7,707.00	\$ 650.00	\$ 4,550.00	\$ 1,000.00	\$ 7,000.00	\$ 1,900.00	\$ 13,300.00
A17	SPECIAL	209TH STREET LIFT STATION IMPROVEMENTS (COMPLETE)	EA	1	\$ 300,000.00	\$ 300,000.00	\$ 310,000.00	\$ 310,000.00	\$ 218,000.00	\$ 218,000.00	\$ 395,000.00	\$ 395,000.00	\$ 445,000.00	\$ 445,000.00	\$ 500,000.00	\$ 500,000.00	\$ 457,000.00	\$ 457,000.00
A18	SPECIAL	CONSTRUCTION ALLOWANCE	ALLOW	1	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00
TOTAL ALTERNATE NO. 1 BID					\$	866,440.00	\$	615,850.00	\$	1,111,088.00	\$	935,471.00	\$	1,060,930.00	\$	1,062,824.00	\$	1,178,806.00

I certify that this is a true and correct Tabulation of Bids received at 2:00pm on February 23, 2017. 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.


Thomas D. Hendrix, P.E.
Planning Division Manager

COOK's CONSULTING LLC

PO Box 10

Fort Gibson, OK 74434

2/23/2017

Thomas D. Hendrix, P.E.
Planning Division Manager
Engineering and Construction Department
City of Broken Arrow
485 North Poplar Ave.
Broken Arrow, OK 74012
thendrix@brokenarrowok.gov
918-259-2400, ext. 5414

RE: 209th Lift Station and Force Main phase 1 & 2

Mr. Hendrix,

Per your request, I offer the following support information to confirm that Cook has the internal capacity to complete both phases of the subject project within the required 120 days.

Our plan is to self preform the line work and bores while sub contracting the lift station rehab to KBC Construction, Inc, (Steve Chambers). Our plan is to put one utility crew on laying phase 1 line from the east to the west, utilizing a Tesmec 1100 trencher (110k lb class) with necessary excavator assistance, while starting a second utility crew from County Line with a 60k lb class excavator.

The bore crew will start on the turnpike bore, moving to the 209th bore then the 23rd street bore, (allowing as much dry time as possible behind the residence near county line.

If the decision is made to utilize HDPE, (which I believe would be a time advantage), we believe one weld crew can keep up with both lay crews.

We do not expect to encounter rock except behind the post office, where we intend to trench and or hammer as necessary.

Our current Utility Fleet includes, at a minimum the following:

- 15 track excavators from 30k to 80k class (5 Hammers from 3,500lb to 8,500lb class)
- 10 Mini Excavators
- Two trenchers 50k and 110k class
- 10 track tractors 30 to 50k lb class
- Two 70-100k class drills, 4 – 20to 30k class drills, 2 small drills
- 10 loaders from 6.5k lb to 5 CY class

- HDPE welders up to 36"
- Pumps up to 8"

While we know all the above equipment is not necessary for this project, we want to exhibit that equipment availability should not be a problem.

If you have further questions, please feel free to call me at 918-260-8414

Justin Cook, P.E.

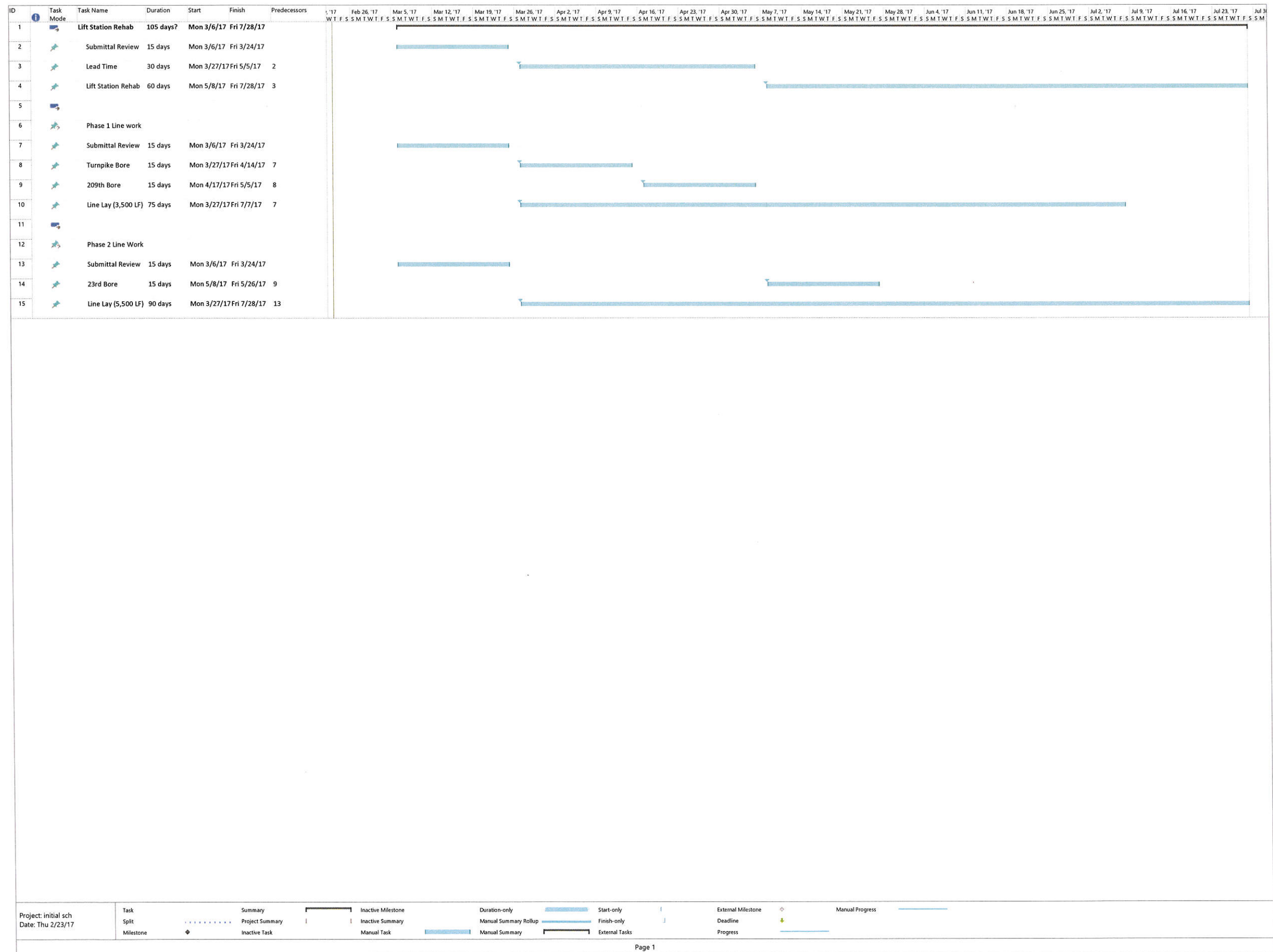
918.260.8414

Justinc@cook-eng.com

A handwritten signature in brown ink, appearing to read "Justin Cook", is written over the printed contact information.

CREW / DIVISION	TITLE / DUTY	PERSONAL ASSIGNED	CURRENT ASSIGNMENT	ESTIMATED COMPLETION	NEXT ASSIGNMENT	ESTIMATED COMPLETION
JUSTIN COOK	GM / OWNER					
TIM M.	DIRECTIONAL DRILL					
JUAN L.	UTILITY, DRILLING					
LOUIE	UTILITY, EARTH WORK					
JIM F.	GENERAL LABOR					
CRAIG A.	UTILITY					
TOMMY O.	PIPE WELDER, MILLWRIGHT					
HEAVY TRANSPORT (EDWARDS)	SUPPORT AND PIER DRILL					
DUMP TRUCKING	SUPPORT					
MECHANICS	SUPPORT					
BRETT FORBS	SPECIAL PROJECTS					
CONCRETE						
GEORGE A.	GENERAL SUPER CONCRETE					
ARMONDO	FINISHER GENERAL					
MISTRO	FINISHER FORM					
JUAN O.	FINISHER STAIN STAMP					
RUFUS H.	FINISHER FORM SPECIAL					
FRANDO	FINISHER GENERAL					
JON BURNS	GENERAL SUPERINTENDENT / OWNER					
DANIEL	SITE, DIRT, GENERAL FORMAN					
THOMAS	UTILITY					
LEWIS	POLY WELDER					
NICK G.	DRILLER/ WELDER					
TRUCKING	SUPPORT					
LABOR	SUPPORT					
TOMMY MARTIN	CFO / OWNER					
ACCOUNTS PAYABLE	ACCOUNTING					
ACCOUNTS RECIEVABLE	ACCOUNTING					
READYMIX						
MUSKOGEE	READYMIX PRODUCTION					
COWETA	READYMIX PRODUCTION					
MOBILE	CONCRETE SUPPORT					
PUMP TRUCK	CONCRETE SUPPORT					
KELLY COOK	GM / CRANES / OWNER					
TONY S.	UTILITY					
TONY L.	DRILLING, RWD					
CHRIS T.	MILLWRIGHT FORMAN					
JORDAN E.	UTILITY					
DONNY COOK	BOOM TRUCKS / OWNER					
SCOTT H.	CRANE OPERATOR					
DON T.	RANCH					
TOM COOK	GS / SLUGE / GRADING / OWNER					

pending contract
 ongoing on time
 behind
 available





City of Broken Arrow

Fact Sheet

File #: 17-1889, Version: 1

**Broken Arrow Municipal Authority
Special Meeting of: 02-28-17**

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

Title: Award the lowest responsible bid to Cook Consulting, LLC, and authorization to execute a construction contract for 209th Street Lift Station and Force Main, Phase II, in the amount of \$332,608.50 (Project No. S.1608B), including the alternate for High Density Polyethylene (HDPE) Pipe

Background:

The 209th Street Lift Station currently drains to the Timberbrook Lift Station, which is at capacity. The new Broken Arrow Public Schools Elementary and Middle Schools under construction on the west side of 37th Street (209th E. Ave.) will be connected to the 209th Lift Station, which must be upgraded and the flows redirected to the County Line Trunk Sewer in order to provide adequate capacity for the additional load from the schools as well as other development in the vicinity. The new force main will be located on the south side of Kenosha Street and will cross under the Creek Turnpike, then parallel the Adams Creek Northwest force main to the County Line trunk sewer just north of State Highway 51. Right-of-way has been acquired and a license to bore under the Turnpike is forthcoming.

Because the timing of the lift station and force main is critical due to the school opening in August 2017, the contract was divided into two phases to ensure that two crews will be working simultaneously on the project. Phase I includes the lift station upgrade and the force main to 37th Street, and Phase II includes the remaining force main to the County Line Trunk Sewer (see attached map). An alternate for fusible High Density Polyethylene (HDPE) pipe in lieu of Polyvinyl Chloride (PVC) pipe was included in both bids. Both projects were advertised on January 31 and February 7, 2017, and bids were opened for both on February 23, 2017. Seven (7) bids were received for Phase II. The low bidder was Cook Consulting, LLC, with a bid of \$316,588.00 for the Base Contract and \$332,608.50 for the Alternate (HDPE pipe). The engineer's estimate was \$514,026.00 for the Base Contract and \$650,266.00 for the Alternate. The certified bid tabulation is attached. Because the durability and ease of construction of HDPE pipe justifies the extra expense, and the total cost is well within the budgeted amount of the OWRB loan, Staff recommends award of the 209th Street Lift Station and Force Main - Phase II Alternate to the lowest responsible bidder, Cook Consulting, LLC, in the amount of \$332,608.50.

Cook Consulting, LLC, was the low bidder for both Phase I and Phase II. They have provided assurances that they have personnel and equipment to field two crews to construct both jobs simultaneously, and their intent to do so (attached letter). Therefore, Staff recommends award of both projects to Cook Consulting, LLC.

Funds for the work are available in Oklahoma Water Resources Board Loan No. FAP-17-0004-L.

Cost: \$332,608.50

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

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

Approved By: Michael L. Spurgeon, City Manager

Attachments: Map of Project
Certified Bid Tabulation
Letter from Cook Consulting, LLC

Recommendation:

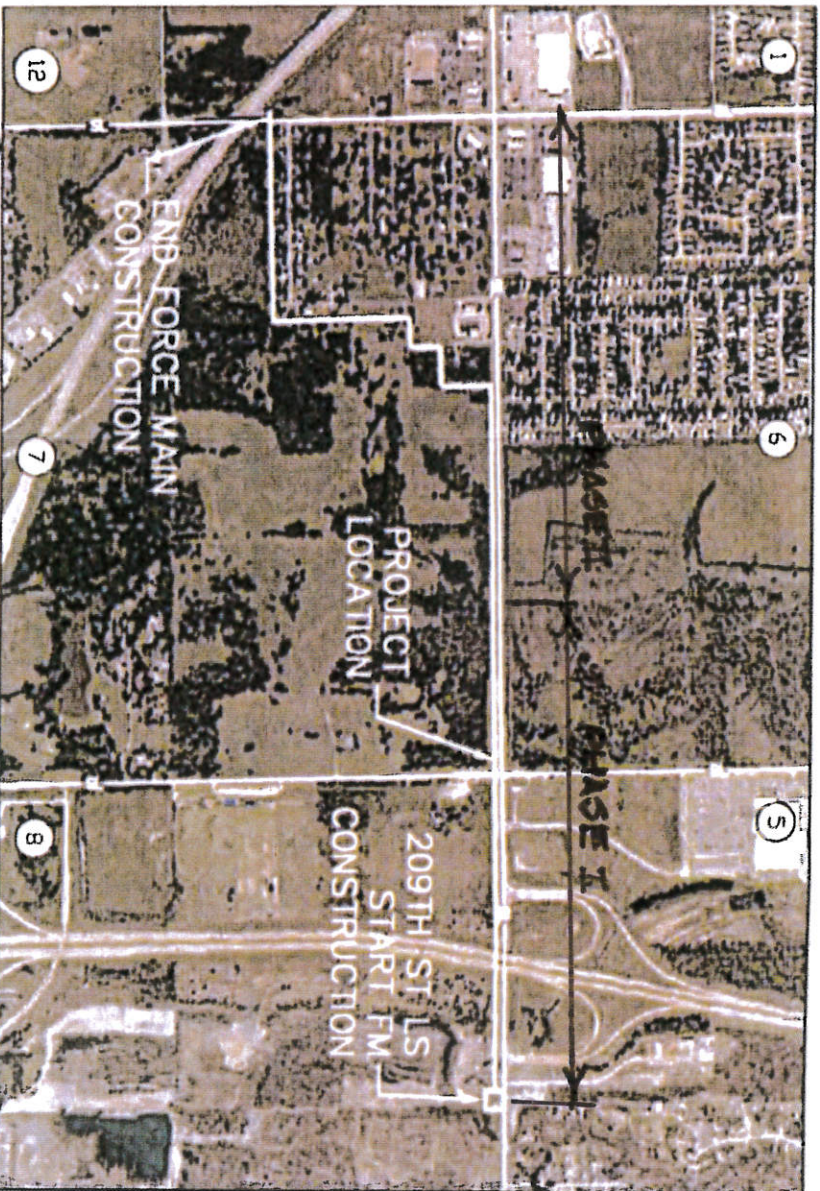
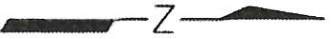
Award the lowest responsible bid to Cook Consulting, LLC, and authorize execution of a construction contract for the 209th Street Lift Station and Force Main - Phase II, plus alternate for HDPE Pipe

BAMA PROJECT NUMBER S.1608A
209TH STREET LIFT STATION

AND FORCE MAIN

TULSA COUNTY | WAGONER COUNTY

T-18-N T-18-N
R-14-E R-15-E



COUNTY LINE
(S. 193RD E. AVE.)

S. 209TH E. AVE.

KENOSHA
(E. 71ST ST. S.)

PROJECT LOCATION SECTION 7 & 8, T-18-N, R-15-E, WAGONER COUNTY
PROJECT LOCATION SECTION 12, T-18-N, R-14-E, TULSA COUNTY

BID TAB
209th STREET LIFT STATION AND FORCE MAIN - PHASE 2
PROJECT NO. S.1608B FAP-17-0004-L BID NO. 17.144

BID OPENING FEBRUARY 23, 2017 AT 2PM AT THE CITY OF BROKEN ARROW OPERATIONS BUILDING

BASE BID:					ENGINEER'S ESTIMATE		COOK CONSULTING, LLC		CROSS-BO CONSTRUCTION, LLC		TRIANGLE CONSTRUCTION & UTILITY, LLC		CHEROKEE PRIDE CONSTRUCTION, INC.		MCGUIRE BROTHERS CONSTRUCTION, INC.		KALKA CONSTRUCTION COMPANY		R.L. HENSLEY CONSTRUCTION, INC.	
ITEM #	SPEC.	DESCRIPTION	UNIT	QTY	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION
1	BA310	R.O.W. CLEARING AND RESTORATION	LF	5,552	\$ 5.00	\$ 27,760.00	\$ 1.00	\$ 5,552.00	\$ 2.00	\$ 11,104.00	\$ 7.00	\$ 38,864.00	\$ 1.00	\$ 5,552.00	\$ 2.00	\$ 11,104.00	\$ 3.00	\$ 16,656.00	\$ 13.00	\$ 72,176.00
2	BA311A	COMMON EXCAVATION	CY	3,410	\$ 6.00	\$ 20,460.00	\$ 1.00	\$ 3,410.00	\$ 3.00	\$ 10,230.00	\$ 1.00	\$ 3,410.00	\$ 10.00	\$ 34,100.00	\$ 2.00	\$ 6,820.00	\$ 25.00	\$ 85,250.00	\$ 12.00	\$ 40,920.00
3	BA311B	ROCK EXCAVATION	CY	185	\$ 50.00	\$ 9,250.00	\$ 75.00	\$ 13,875.00	\$ 65.00	\$ 12,025.00	\$ 75.00	\$ 13,875.00	\$ 100.00	\$ 18,500.00	\$ 60.00	\$ 11,100.00	\$ 125.00	\$ 23,125.00	\$ 210.00	\$ 38,850.00
4	BA312	COMMON BACKFILL AND COMPACTION	CY	4,092	\$ 8.00	\$ 32,736.00	\$ 1.00	\$ 4,092.00	\$ 32.00	\$ 130,944.00	\$ 1.00	\$ 4,092.00	\$ 10.00	\$ 40,920.00	\$ 2.00	\$ 8,184.00	\$ 25.00	\$ 102,300.00	\$ 6.00	\$ 24,552.00
5	BA314	BORE AND 26" STEEL CASING (1/4" WALL THICKNESS)	LF	120	\$ 320.00	\$ 38,400.00	\$ 250.00	\$ 30,000.00	\$ 115.00	\$ 13,800.00	\$ 425.00	\$ 51,000.00	\$ 200.00	\$ 24,000.00	\$ 540.00	\$ 64,800.00	\$ 500.00	\$ 60,000.00	\$ 515.00	\$ 61,800.00
6	BA330C	PLAIN CONCRETE (CONCRETE CRADLE/ENCASEMENT)	CY	10	\$ 100.00	\$ 1,000.00	\$ 185.00	\$ 1,850.00	\$ 100.00	\$ 1,000.00	\$ 175.00	\$ 1,750.00	\$ 1,000.00	\$ 10,000.00	\$ 100.00	\$ 1,000.00	\$ 500.00	\$ 5,000.00	\$ 335.00	\$ 3,350.00
7	BA330C	PLAIN CONCRETE (THRUST BLOCKING)	CY	50	\$ 120.00	\$ 6,000.00	\$ 185.00	\$ 9,250.00	\$ 100.00	\$ 5,000.00	\$ 175.00	\$ 8,750.00	\$ 500.00	\$ 25,000.00	\$ 100.00	\$ 5,000.00	\$ 500.00	\$ 25,000.00	\$ 335.00	\$ 16,750.00
8	BA501	15" GRAVITY SEWER (PVC C905 DR-18), RJ	LF	250	\$ 75.00	\$ 18,750.00	\$ 40.00	\$ 10,000.00	\$ 30.00	\$ 7,500.00	\$ 125.00	\$ 31,250.00	\$ 100.00	\$ 25,000.00	\$ 99.00	\$ 24,750.00	\$ 79.00	\$ 19,750.00	\$ 75.00	\$ 18,750.00
9	BA502	12" FORCE MAIN (PVC C900 DR-18)	LF	5552	\$ 45.00	\$ 249,840.00	\$ 29.50	\$ 163,784.00	\$ 29.00	\$ 161,008.00	\$ 36.00	\$ 199,872.00	\$ 56.00	\$ 310,912.00	\$ 61.00	\$ 338,672.00	\$ 31.65	\$ 175,720.80	\$ 45.00	\$ 249,840.00
10	BA502	12" FORCE MAIN (PVC C900 DR-18), RJ	LF	110	\$ 65.00	\$ 7,150.00	\$ 32.00	\$ 3,520.00	\$ 35.00	\$ 3,850.00	\$ 44.00	\$ 4,840.00	\$ 90.00	\$ 9,900.00	\$ 66.00	\$ 7,260.00	\$ 48.67	\$ 5,353.70	\$ 64.00	\$ 7,040.00
11	BA510A1	12" 22.5 DEGREE BEND (DIP C153), RJ	EA	1	\$ 500.00	\$ 500.00	\$ 400.00	\$ 400.00	\$ 530.00	\$ 530.00	\$ 450.00	\$ 450.00	\$ 400.00	\$ 400.00	\$ 360.00	\$ 360.00	\$ 1,101.00	\$ 1,101.00	\$ 600.00	\$ 600.00
12	BA510A2	12" 45 DEGREE BEND (DIP C153), RJ	EA	2	\$ 500.00	\$ 1,000.00	\$ 405.00	\$ 810.00	\$ 545.00	\$ 1,090.00	\$ 470.00	\$ 940.00	\$ 400.00	\$ 800.00	\$ 370.00	\$ 740.00	\$ 1,101.00	\$ 2,202.00	\$ 600.00	\$ 1,200.00
13	BA510A3	12" 90 DEGREE BEND (DIP C153), RJ	EA	6	\$ 500.00	\$ 3,000.00	\$ 425.00	\$ 2,550.00	\$ 565.00	\$ 3,390.00	\$ 485.00	\$ 2,910.00	\$ 400.00	\$ 2,400.00	\$ 390.00	\$ 2,340.00	\$ 1,101.00	\$ 6,606.00	\$ 600.00	\$ 3,600.00
14	BA511D	5 FOOT ID MANHOLE W/ STANDARD LID	EA	1	\$ 2,500.00	\$ 2,500.00	\$ 5,500.00	\$ 5,500.00	\$ 1,800.00	\$ 1,800.00	\$ 4,000.00	\$ 4,000.00	\$ 4,000.00	\$ 4,000.00	\$ 5,600.00	\$ 5,600.00	\$ 3,000.00	\$ 3,000.00	\$ 7,600.00	\$ 7,600.00
15	BA511F	5 FOOT ID MANHOLE EXTENSION EXTRA FOOT OF DEPTH	EA	4	\$ 135.00	\$ 540.00	\$ 250.00	\$ 1,000.00	\$ 160.00	\$ 640.00	\$ 300.00	\$ 1,200.00	\$ 100.00	\$ 400.00	\$ 220.00	\$ 880.00	\$ 400.00	\$ 1,600.00	\$ 300.00	\$ 1,200.00
16	BA654(C)	2" AIR RELIEF VALVE AND VAULT	EA	7	\$ 7,000.00	\$ 49,000.00	\$ 3,125.00	\$ 21,875.00	\$ 3,000.00	\$ 21,000.00	\$ 3,800.00	\$ 26,600.00	\$ 2,500.00	\$ 17,500.00	\$ 4,500.00	\$ 31,500.00	\$ 5,266.00	\$ 36,862.00	\$ 7,100.00	\$ 49,700.00
17	221(C)	SILT FENCE	LF	2000	\$ 2.00	\$ 4,000.00	\$ 2.00	\$ 4,000.00	\$ 2.50	\$ 5,000.00	\$ 2.00	\$ 4,000.00	\$ 1.00	\$ 2,000.00	\$ 3.00	\$ 6,000.00	\$ 6.00	\$ 12,000.00	\$ 4.00	\$ 8,000.00
18	221(F)	SILT DIKE	LF	500	\$ 6.00	\$ 3,000.00	\$ 2.50	\$ 1,250.00	\$ 5.00	\$ 2,500.00	\$ 4.00	\$ 2,000.00	\$ 2.00	\$ 1,000.00	\$ 6.00	\$ 3,000.00	\$ 10.00	\$ 5,000.00	\$ 6.00	\$ 3,000.00
19	230(A)	SOLID SLAB SODDING	SY	1000	\$ 3.00	\$ 3,000.00	\$ 4.00	\$ 4,000.00	\$ 4.50	\$ 4,500.00	\$ 4.00	\$ 4,000.00	\$ 3.00	\$ 3,000.00	\$ 3.00	\$ 3,000.00	\$ 6.00	\$ 6,000.00	\$ 6.00	\$ 6,000.00
20	303(A)	CLASS A AGGREGATE BASE (TRENCH STABILIZATION)	CY	10	\$ 40.00	\$ 400.00	\$ 55.00	\$ 550.00	\$ 95.00	\$ 950.00	\$ 42.00	\$ 420.00	\$ 100.00	\$ 1,000.00	\$ 50.00	\$ 500.00	\$ 45.00	\$ 450.00	\$ 74.00	\$ 740.00
21	601(A)	TYPE I RIP RAP	CY	18	\$ 80.00	\$ 1,440.00	\$ 90.00	\$ 1,620.00	\$ 60.00	\$ 1,080.00	\$ 40.00	\$ 720.00	\$ 100.00	\$ 1,800.00	\$ 60.00	\$ 1,080.00	\$ 65.00	\$ 1,170.00	\$ 200.00	\$ 3,600.00
22	642	CONSTRUCTION STAKING	EA	1	\$ 8,000.00	\$ 8,000.00	\$ 4,500.00	\$ 4,500.00	\$ 13,800.00	\$ 13,800.00	\$ 4,200.00	\$ 4,200.00	\$ 5,000.00	\$ 5,000.00	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ 6,400.00	\$ 6,400.00
23	SPECIAL	5 FOOT ID FIBERGLASS MANHOLE	EA	1	\$ 8,000.00	\$ 8,000.00	\$ 8,500.00	\$ 8,500.00	\$ 6,100.00	\$ 6,100.00	\$ 7,500.00	\$ 7,500.00	\$ 5,500.00	\$ 5,500.00	\$ 8,500.00	\$ 8,500.00	\$ 6,000.00	\$ 6,000.00	\$ 9,400.00	\$ 9,400.00
24	SPECIAL	OPEN CUT INSTALLATION 24" STEEL CASING (1/4" WALL THICKNESS)	LF	110	\$ 70.00	\$ 7,700.00	\$ 50.00	\$ 5,500.00	\$ 72.00	\$ 7,920.00	\$ 125.00	\$ 13,750.00	\$ 100.00	\$ 11,000.00	\$ 92.00	\$ 10,120.00	\$ 200.00	\$ 22,000.00	\$ 135.00	\$ 14,850.00
25	SPECIAL	OPEN CUT INSTALLATION 26" STEEL CASING (1/4" WALL THICKNESS)	LF	120	\$ 80.00	\$ 9,600.00	\$ 60.00	\$ 7,200.00	\$ 95.00	\$ 11,400.00	\$ 135.00	\$ 16,200.00	\$ 150.00	\$ 18,000.00	\$ 115.00	\$ 13,800.00	\$ 200.00	\$ 24,000.00	\$ 145.00	\$ 17,400.00
26	SPECIAL 9.1	5 FOOT ID SOLVENTLESS EPOXY MANHOLE COATING	VF	10	\$ 100.00	\$ 1,000.00	\$ 200.00	\$ 2,000.00	\$ 240.00	\$ 2,400.00	\$ 270.00	\$ 2,700.00	\$ 40.00	\$ 400.00	\$ 600.00	\$ 6,000.00	\$ 35.00	\$ 350.00	\$ 750.00	\$ 7,500.00
TOTAL BASE BID					\$	514,026.00	\$	316,588.00	\$	440,561.00	\$	449,293.00	\$	578,084.00	\$	578,110.00	\$	652,496.50	\$	674,818.00
ALTERNATE NO. 1:																				
ITEM #	SPEC.	DESCRIPTION	UNIT	QTY	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION
A1	BA310	R.O.W. CLEARING AND RESTORATION	LF	5,552	\$ 5.00	\$ 27,760.00	\$ 1.00	\$ 5,552.00	\$ 2.00	\$ 11,104.00	\$ 7.00	\$ 38,864.00	\$ 1.00	\$ 5,552.00	\$ 2.00	\$ 11,104.00	\$ 3.00	\$ 16,656.00	\$ 13.00	\$ 72,176.00
A2	BA311A	COMMON EXCAVATION	CY	3,410	\$ 6.00	\$ 20,460.00	\$ 1.00	\$ 3,410.00	\$ 3.00	\$ 10,230.00	\$ 1.00	\$ 3,410.00	\$ 10.00	\$ 34,100.00	\$ 2.00	\$ 6,820.00	\$ 25.00	\$ 85,250.00	\$ 12.00	\$ 40,920.00
A3	BA311B	ROCK EXCAVATION	CY	185	\$ 50.00	\$ 9,250.00	\$ 75.00	\$ 13,875.00	\$ 65.00	\$ 12,025.00	\$ 75.00	\$ 13,875.00	\$ 100.00	\$ 18,500.00	\$ 60.00	\$ 11,100.00	\$ 125.00	\$ 23,125.00	\$ 210.00	\$ 38,850.00
A4	BA312	COMMON BACKFILL AND COMPACTION	CY	4,092	\$ 8.00	\$ 32,736.00	\$ 1.00	\$ 4,092.00	\$ 32.00	\$ 130,944.00	\$ 1.00	\$ 4,092.00	\$ 10.00	\$ 40,920.00	\$ 2.00	\$ 8,184.00	\$ 25.00	\$ 102,300.00	\$ 6.00	\$ 24,552.00
A5	BA314	BORE AND 26" STEEL CASING (1/4" WALL THICKNESS)	LF	120	\$ 320.00	\$ 38,400.00	\$ 159.00	\$ 19,080.00	\$ 115.00	\$ 13,800.00	\$ 425.00	\$ 51,000.00	\$ 200.00	\$ 24,000.00	\$ 540.00	\$ 64,800.00	\$ 500.00	\$ 60,000.00	\$ 515.00	\$ 61,800.00
A6	BA330C	PLAIN CONCRETE (CONCRETE CRADLE/ENCASEMENT)	CY	30	\$ 100.00	\$ 3,000.00	\$ 185.00	\$ 5,550.00	\$ 100.00	\$ 3,000.00	\$ 175.00	\$ 5,250.00	\$ 1,000.00	\$ 30,000.00	\$ 100.00	\$ 3,000.00	\$ 500.00	\$ 15,000.00	\$ 335.00	\$ 10,050.00
A7	BA501	15" GRAVITY SEWER (PVC C905 DR-18), RJ	LF	250	\$ 75.00	\$ 18,750.00	\$ 40.00	\$ 10,000.00	\$ 30.00	\$ 7,500.00	\$ 125.00	\$ 31,250.00	\$ 100.00	\$ 25,000.00	\$ 96.00	\$ 24,000.00	\$ 79.00	\$ 19,750.00	\$ 75.00	\$ 18,750.00
A8	BA511D	5 FOOT ID MANHOLE W/ STANDARD LID	EA	1	\$ 2,500.00	\$ 2,500.00	\$ 5,500.00	\$ 5,500.00	\$ 1,800.00	\$ 1,800.00	\$ 4,000.00	\$								

COOK's CONSULTING LLC

PO Box 10

Fort Gibson, OK 74434

2/23/2017

Thomas D. Hendrix, P.E.
Planning Division Manager
Engineering and Construction Department
City of Broken Arrow
485 North Poplar Ave.
Broken Arrow, OK 74012
thendrix@brokenarrowok.gov
918-259-2400, ext. 5414

RE: 209th Lift Station and Force Main phase 1 & 2

Mr. Hendrix,

Per your request, I offer the following support information to confirm that Cook has the internal capacity to complete both phases of the subject project within the required 120 days.

Our plan is to self preform the line work and bores while sub contracting the lift station rehab to KBC Construction, Inc, (Steve Chambers). Our plan is to put one utility crew on laying phase 1 line from the east to the west, utilizing a Tesmec 1100 trencher (110k lb class) with necessary excavator assistance, while starting a second utility crew from County Line with a 60k lb class excavator.

The bore crew will start on the turnpike bore, moving to the 209th bore then the 23rd street bore, (allowing as much dry time as possible behind the residence near county line.

If the decision is made to utilize HDPE, (which I believe would be a time advantage), we believe one weld crew can keep up with both lay crews.

We do not expect to encounter rock except behind the post office, where we intend to trench and or hammer as necessary.

Our current Utility Fleet includes, at a minimum the following:

- 15 track excavators from 30k to 80k class (5 Hammers from 3,500lb to 8,500lb class)
- 10 Mini Excavators
- Two trenchers 50k and 110k class
- 10 track tractors 30 to 50k lb class
- Two 70-100k class drills, 4 – 20to 30k class drills, 2 small drills
- 10 loaders from 6.5k lb to 5 CY class

- HDPE welders up to 36"
- Pumps up to 8"

While we know all the above equipment is not necessary for this project, we want to exhibit that equipment availability should not be a problem.

If you have further questions, please feel free to call me at 918-260-8414

Justin Cook, P.E.

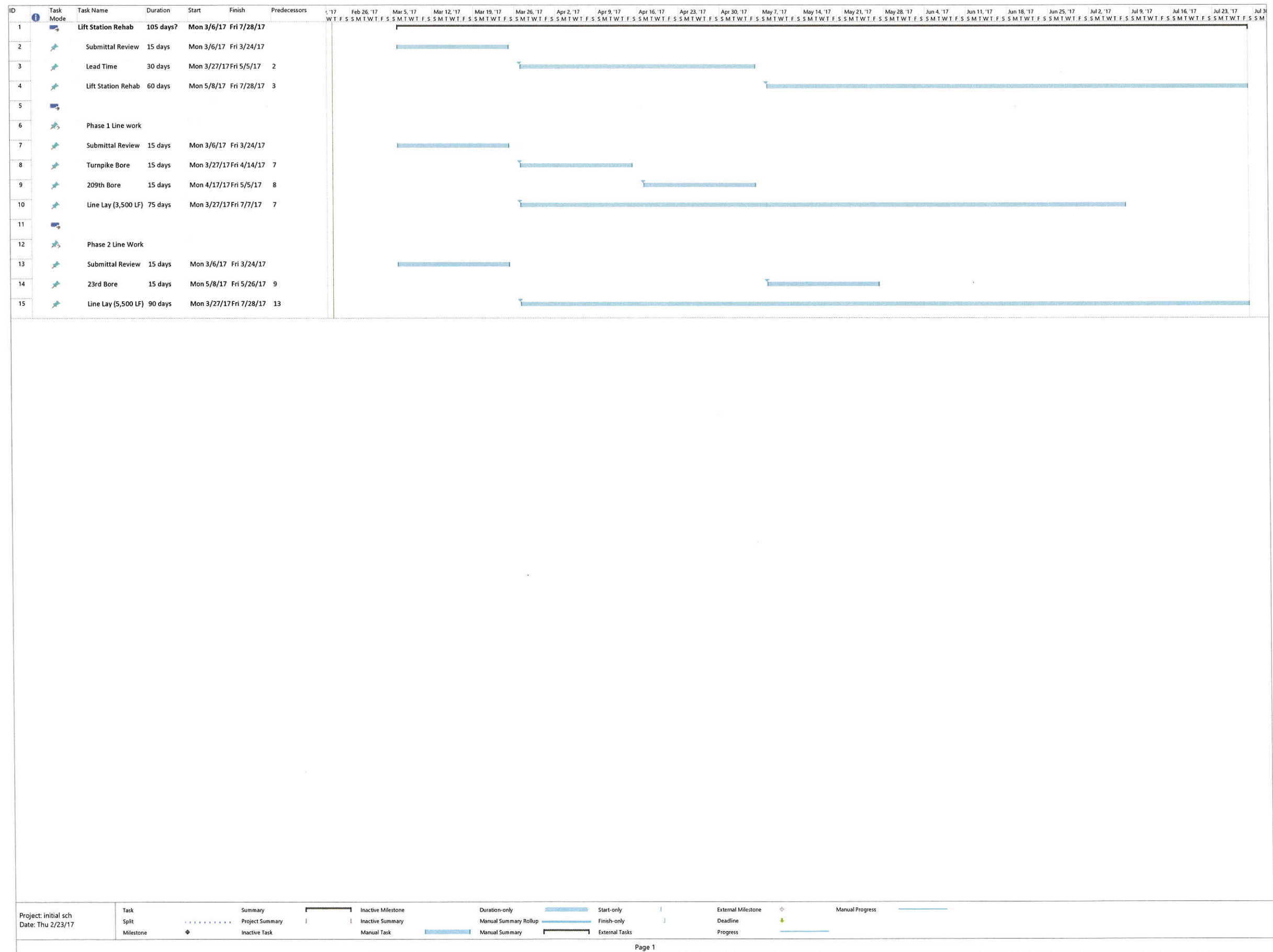
918.260.8414

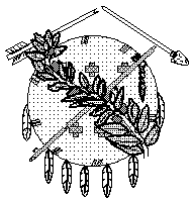
Justinc@cook-eng.com

A handwritten signature in brown ink, appearing to read "Justin Cook", is written over the printed contact information.

CREW / DIVISION	TITLE / DUTY	PERSONAL ASSIGNED	CURRENT ASSIGNMENT	ESTIMATED COMPLETION	NEXT ASSIGNMENT	ESTIMATED COMPLETION
JUSTIN COOK	GM / OWNER					
TIM M.	DIRECTIONAL DRILL					
JUAN L.	UTILITY, DRILLING					
LOUIE	UTILITY, EARTH WORK					
JIM F.	GENERAL LABOR					
CRAIG A.	UTILITY					
TOMMY O.	PIPE WELDER, MILLWRIGHT					
HEAVY TRANSPORT (EDWARDS)	SUPPORT AND PIER DRILL					
DUMP TRUCKING	SUPPORT					
MECHANICS	SUPPORT					
BRETT FORBS	SPECIAL PROJECTS					
CONCRETE						
GEORGE A.	GENERAL SUPER CONCRETE					
ARMONDO	FINISHER GENERAL					
MISTRO	FINISHER FORM					
JUAN O.	FINISHER STAIN STAMP					
RUFUS H.	FINISHER FORM SPECIAL					
FRANDO	FINISHER GENERAL					
JON BURNS	GENERAL SUPERINTENDENT / OWNER					
DANIEL	SITE, DIRT, GENERAL FORMAN					
THOMAS	UTILITY					
LEWIS	POLY WELDER					
NICK G.	DRILLER/ WELDER					
TRUCKING	SUPPORT					
LABOR	SUPPORT					
TOMMY MARTIN	CFO / OWNER					
ACCOUNTS PAYABLE	ACCOUNTING					
ACCOUNTS RECIEVABLE	ACCOUNTING					
READYMIX						
MUSKOGEE	READYMIX PRODUCTION					
COWETA	READYMIX PRODUCTION					
MOBILE	CONCRETE SUPPORT					
PUMP TRUCK	CONCRETE SUPPORT					
KELLY COOK	GM / CRANES / OWNER					
TONY S.	UTILITY					
TONY L.	DRILLING, RWD					
CHRIS T.	MILLWRIGHT FORMAN					
JORDAN E.	UTILITY					
DONNY COOK	BOOM TRUCKS / OWNER					
SCOTT H.	CRANE OPERATOR					
DON T.	RANCH					
TOM COOK	GS / SLUGE / GRADING / OWNER					

pending contract
 ongoing on time
 behind
 available





City of Broken Arrow

Fact Sheet

File #: 17-1887, Version: 1

**Broken Arrow City Council
Broken Arrow Municipal Authority
Joint Meeting of: 02-28-17**

**To: Mayor and City Council
Chairman and Authority Members**

From: Engineering and Construction Department

**Title: Presentation, discussion, and study session on the Long-Term Water
Supply Study Report**

Background:

The Consultant for the Long-Term Water Supply Study will present the findings of the Study and invite discussion by the City Council/BAMA Members.

As the construction of the Verdigris River Water Treatment Plant concluded, a need to consider supplemental long-range water supply sources was identified. HDR Engineering was hired to prepare a report to look at the water needs for the City of Broken Arrow through year 2060. The report looked at water rights in the Verdigris, Grand, and Illinois River systems, as well as other lakes, and conveyance systems to bring water from other sources to the new treatment plant were investigated in detail. Legal, engineering, and economic considerations were included in the study. At the October 20, 2015, BAMA meeting the presentation of the findings of the Long Range Water Supply Plan were presented. At the conclusion of that presentation, BAMA requested additional alternatives to be studied. BAMA contracted with HDR Engineering to study the different alternatives.

At tonight's study session, HDR will give a presentation on the Additional Water Supply Sources Study and at the conclusion of the presentation the Consultant will be available with staff to answer any questions.

Cost: \$0

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

**Reviewed By: City Attorney
Assistant City Manager - Operations**

Approved By: Michael L. Spurgeon, City Manager

File #: 17-1887, Version: 1

Attachments: None

Recommendation:

No action required. Direct staff as required.