

August 26, 2014

Mr. Troy Shaw, P.E.  
Lawrence Utilities Department  
P.O. Box 708  
Lawrence, Kansas 66044-0708

RE: Recommendation for Award  
Waterline Relocation Program  
Arkansas Street Waterline Replacement, 2<sup>nd</sup> Street to 4<sup>th</sup> Street  
City Project No. UT 1315 PEC Project No. 12A04-006-3975

Dear Troy:

I have attached the August 26, 2014, bid tabulation of the three bids received for the above-referenced project for your records. All bids were checked for accuracy, completeness and other applicable requirements and found to be satisfactory other than one small miscalculation on the Banks Construction bid form. The error reduced Banks' bid by \$250. Bids received were as follows:

Banks Construction, LLC	\$268,590.00
Westland Construction, Inc.	\$296,899.00
Nowak Construction Co. Inc.	\$313,124.00
Engineer's Estimate	\$355,055.00

Banks Construction, LLC was awarded the Mississippi Street Waterline and has completed several other projects for the City. The Mississippi Street project should be nearing completion around the time this project is ready to start, significant scheduling issues are not expected. Their bid documents for this project appear to be in order.

Based on the above information, PEC recommends that the City of Lawrence award the construction contract for the Arkansas Street Waterline Replacement, 2<sup>nd</sup> Street to 4<sup>th</sup> Street to Banks Construction, LLC. of Holton, Kansas in the amount of their bid of \$268,590.00.

Very truly yours,  
Professional Engineering Consultants, P. A.



Alex M. Darby, P.E.  
enclosures

F:\2012\12A04\006\Corresp\Recommendation Arkansas Street Waterline.docx

**Professional Engineering  
Consultants, P.A.**  
1263 S.W. Topeka Blvd.  
Topeka, Kansas 66612-1852  
Phone (785) 233-8300

**CITY OF LAWRENCE UTILITIES DEPARTMENT  
ARKANSAS STREET WATERLINE RELOCATION  
2ND STREET TO 4TH STREET  
PEC PROJECT No. 12A04-006-3975  
BID OPENING 8/26/2014**

**BID TABULATION**

**ENGINEER'S ESTIMATE OF PROBABLE COSTS**

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	COST	Banks Construction, LLC		Westland Construction, Inc.		Nowak Construction Co., Inc.	
						Unit Price	Extension	Unit Price	Extension	Unit Price	Extension
1	Install 8-inch Waterline	1519	LF	\$130.00	\$197,470.00	\$80.00	\$121,520.00	\$115.00	\$174,685.00	\$116.00	\$176,204.00
2	Install 4-inch Waterline	12	LF	\$65.00	\$780.00	\$100.00	\$1,200.00	\$100.00	\$1,200.00	\$50.00	\$600.00
3	Install 8-Inch Gate Valve & Box	7	Each	\$1,800.00	\$12,600.00	\$1,350.00	\$9,450.00	\$1,537.00	\$10,759.00	\$1,850.00	\$12,950.00
4	Install 4-Inch Gate Valve & Box	2	Each	\$1,000.00	\$2,000.00	\$700.00	\$1,400.00	\$800.00	\$1,600.00	\$975.00	\$1,950.00
5	Install 6" x 6" Tapping Sleeve & 6" Tapping Valve	2	Each	\$2,700.00	\$5,400.00	\$3,000.00	\$6,000.00	\$4,750.00	\$9,500.00	\$2,650.00	\$5,300.00
6	Install 8" X 4" Tee & Block	2	Each	\$950.00	\$1,900.00	\$550.00	\$1,100.00	\$500.00	\$1,000.00	\$500.00	\$1,000.00
7	Install 8" X 6" Tee & Block	4	Each	\$1,000.00	\$4,000.00	\$600.00	\$2,400.00	\$500.00	\$2,000.00	\$500.00	\$2,000.00
8	Install 8" X 8" Tee & Block	2	Each	\$1,100.00	\$2,200.00	\$800.00	\$1,600.00	\$800.00	\$1,600.00	\$575.00	\$1,150.00
9	Install 6" X 6" Tee & Block	1	Each	\$900.00	\$900.00	\$600.00	\$600.00	\$600.00	\$600.00	\$450.00	\$450.00
10	Install 8-Inch 90 Bend & Block	2	Each	\$650.00	\$1,300.00	\$800.00	\$1,600.00	\$400.00	\$800.00	\$425.00	\$850.00
11	Install 4-Inch 90 Bend & Block	1	Each	\$350.00	\$350.00	\$400.00	\$400.00	\$300.00	\$300.00	\$325.00	\$325.00
12	Install 8-Inch 45 Bend & Block	2	Each	\$600.00	\$1,200.00	\$800.00	\$1,600.00	\$450.00	\$900.00	\$400.00	\$800.00
13	Install 6-Inch 45 Bend & Block	1	Each	\$500.00	\$500.00	\$600.00	\$600.00	\$500.00	\$500.00	\$350.00	\$350.00
14	Install 8-Inch Vertical 45 Bend & Block	4	Each	\$1,200.00	\$4,800.00	\$2,500.00	\$10,000.00	\$850.00	\$3,400.00	\$600.00	\$2,400.00
15	Install 8-Inch Vertical 11.25 Bend & Block	2	Each	\$800.00	\$1,600.00	\$2,500.00	\$5,000.00	\$500.00	\$1,000.00	\$400.00	\$800.00
16	Install 8" x 6" Reducer	4	Each	\$550.00	\$2,200.00	\$500.00	\$2,000.00	\$300.00	\$1,200.00	\$250.00	\$1,000.00
17	Install 8-Inch Anchor Coupling	9	Each	\$600.00	\$5,400.00	\$625.00	\$5,625.00	\$400.00	\$3,600.00	\$275.00	\$2,475.00
18	Install 6-Inch Anchor Coupling	3	Each	\$500.00	\$1,500.00	\$500.00	\$1,500.00	\$350.00	\$1,050.00	\$225.00	\$675.00
19	Install 4-Inch Anchor Coupling	2	Each	\$400.00	\$800.00	\$400.00	\$800.00	\$300.00	\$600.00	\$125.00	\$250.00
20	Install Fire Hydrant Assembly	5	Each	\$4,000.00	\$20,000.00	\$3,600.00	\$18,000.00	\$4,200.00	\$21,000.00	\$4,125.00	\$20,625.00
21	Install 6-Inch Cap or Plug & Block	1	Each	\$650.00	\$650.00	\$350.00	\$350.00	\$500.00	\$500.00	\$300.00	\$300.00
22	Plug Abandoned Line	3	Each	\$650.00	\$1,950.00	\$350.00	\$1,050.00	\$500.00	\$1,500.00	\$100.00	\$300.00
23	Install New Meter Setter	9	Each	\$300.00	\$2,700.00	\$550.00	\$4,950.00	\$175.00	\$1,575.00	\$325.00	\$2,925.00
24	Install New Meter Tile	9	Each	\$200.00	\$1,800.00	\$225.00	\$2,025.00	\$150.00	\$1,350.00	\$150.00	\$1,350.00
25	Install New Meter Ring/Cover	9	Each	\$150.00	\$1,350.00	\$200.00	\$1,800.00	\$150.00	\$1,350.00	\$125.00	\$1,125.00
26	Install 3/4" Long Service	12	Each	\$1,250.00	\$15,000.00	\$1,200.00	\$14,400.00	\$1,250.00	\$15,000.00	\$2,400.00	\$28,800.00
27	Concrete Sidewalk Removal and Replacement	521	SF	\$25.00	\$13,025.00	\$35.00	\$18,235.00	\$10.00	\$5,210.00	\$7.00	\$3,647.00
28	Pavement Removal and Replacement	65	SY	\$150.00	\$9,705.00	\$80.00	\$5,200.00	\$100.00	\$6,500.00	\$151.00	\$9,815.00
29	Concrete Curb & Gutter Removal and Replacement	53	LF	\$75.00	\$3,975.00	\$45.00	\$2,385.00	\$40.00	\$2,120.00	\$45.00	\$2,385.00
30	Wheelchair Ramp Removal and Replacement	1	Each	\$2,500.00	\$2,500.00	\$1,800.00	\$1,800.00	\$2,500.00	\$2,500.00	\$1,750.00	\$1,750.00
31	Disconnect Existing Waterline	2	Each	\$1,500.00	\$3,000.00	\$1,000.00	\$2,000.00	\$1,000.00	\$2,000.00	\$1,000.00	\$2,000.00
32	Connect New Waterline	5	Each	\$3,000.00	\$15,000.00	\$2,000.00	\$10,000.00	\$2,500.00	\$12,500.00	\$2,425.00	\$12,125.00
33	Seed, Fertilize, and Mulch	1	LS	\$7,500.00	\$7,500.00	\$5,000.00	\$5,000.00	\$3,000.00	\$3,000.00	\$8,600.00	\$8,600.00
34	Provide Stormwater Pollution Control	1	LS	\$5,000.00	\$5,000.00	\$2,500.00	\$2,500.00	\$3,000.00	\$3,000.00	\$5,200.00	\$5,200.00
35	Construction Staking	1	LS	\$5,000.00	\$5,000.00	\$4,500.00	\$4,500.00	\$1,500.00	\$1,500.00	\$648.00	\$648.00
<b>TOTAL ESTIMATE OF PROBABLE COSTS</b>					<b>\$355,055.00</b>	<b>\$268,590.00</b>	<b>\$296,899.00</b>	<b>\$313,124.00</b>			