

April 21, 2016

Ms. Leah Morris, P.E.  
Lawrence Utilities Department  
P.O. Box 708  
Lawrence, Kansas 66044-0708

RE: Recommendation for Award  
Waterline Relocation Program  
Sunnyside Avenue Waterline Replacement  
City Project No. UT 1502  
PEC Project No. 14A01-008-3975

Dear Leah:

I have attached the April 19<sup>th</sup>, 2016, bid tabulation of the six bids received for the above-referenced project for your records. All bids were checked for accuracy, completeness and other applicable requirements and corrected accordingly. The bids received were as follows:

Angell's Excavating Inc.	\$215,570.00
Banks Construction LLC	\$284,000.00
Schuetz Construction, LLC	\$284,955.00
Westland Construction Inc.	\$308,777.00
Nowak Construction Co., Inc.	\$494,655.00
Torgeson Trenching Service	\$514,365.33
Engineer's Estimate	\$346,200.00

The bid supplied by Angell's Excavating contained an error in the unit cost multiplication that increased the bid from \$215,570.00 to \$221,170.00. A minor error was noted in the Torgeson Trenching Service bid. The corrections do not alter the bid order.

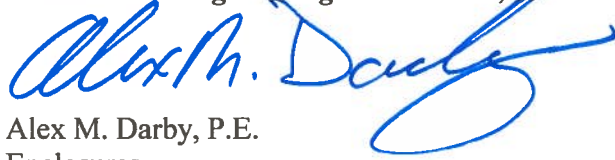
The supporting information provided by Angell's Excavating with the Bid Form was missing, this included the required Statement of Qualifications and Anticipated Subcontractors and Equipment Suppliers. Based on follow up conversations with Angell's Excavating it was determined that they did not have the required project experience for a project of this nature. The majority of the work they have completed in the past have been more rural in nature. This project included horizontal directional drilling in rock for a majority of the project as well as a critical connection to the KU main water supply. Due to the lack of a complete bid package and inadequate previous project experience it is recommended that the City reject the bid of Angell's Excavating and the project be awarded to the second low bidder, Banks Construction.

Banks Construction LLC is in the process of completing the Michigan, Arkansas, and Florida Street Waterline Replacement project and has successfully completed several other projects for the City. It is anticipated that they will complete the remaining work within the next month. 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 Sunnyside Avenue Waterline Replacement to Banks Construction LLC of Holton, Kansas in the amount of their bid of \$284,000.00.

Very truly yours,

**Professional Engineering Consultants, P.A.**

A handwritten signature in blue ink, appearing to read "Alex M. Darby", is written over the printed name and extends slightly to the right.

Alex M. Darby, P.E.

Enclosures

<div>Professional Engineering Consultants, P.A. 1263 S.W. Topeka Blvd. Topeka, Kansas 66612-1852 Phone (785) 233-8300</div>		<div>CITY OF LAWRENCE UTILITIES DEPARTMENT SUNNYSIDE AVENUE WATERLINE REPLACEMENT Bid No. B1604 PEC PROJECT No. 14A01-008-3975 BID OPENING: April 19, 2016 2:00 PM</div>				Tabulation of Contractor's Bids											
						Angell's Excavating Inc.		Banks Construction LLC		Schuetz Const. LLC		Westland Construction Inc.		Nowak Construction Co., Inc.		Torgeson Trenching Service	
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	COST												
						Unit Price	Extension	Unit Price	Extension	Unit Price	Extension	Unit Price	Extension	Unit Price	Extension	Unit Price	Extension
1	Install 8-Inch Waterline	14	LF	\$120.00	\$1,680.00	\$40.00	\$560.00	\$120.00	\$1,680.00	\$100.00	\$1,400.00	\$200.00	\$2,800.00	\$239.00	\$3,346.00	\$176.90	\$2,476.60
2	Install 12-Inch Waterline	896	LF	\$185.00	\$165,760.00	\$100.00	\$89,600.00	\$120.00	\$107,520.00	\$165.00	\$147,840.00	\$190.00	\$170,240.00	\$264.00	\$236,544.00	\$311.34	\$278,960.64
3	Install 8-Inch Gate Valve	1	Each	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,350.00	\$1,350.00	\$1,425.00	\$1,425.00	\$1,300.00	\$1,300.00	\$1,600.00	\$1,600.00	\$1,488.24	\$1,488.24
4	Install 12-Inch Gate Valve	1	Each	\$2,600.00	\$2,600.00	\$2,400.00	\$2,400.00	\$2,500.00	\$2,500.00	\$2,500.00	\$2,500.00	\$2,100.00	\$2,100.00	\$3,150.00	\$3,150.00	\$2,831.95	\$2,831.95
5	Install 12-Inch Tapping Sleeve and Valve	1	Each	\$6,500.00	\$6,500.00	\$6,000.00	\$6,000.00	\$8,000.00	\$8,000.00	\$6,000.00	\$6,000.00	\$5,000.00	\$5,000.00	\$7,150.00	\$7,150.00	\$9,861.71	\$9,861.71
6	Install 8-Inch Bend	2	Each	\$600.00	\$1,200.00	\$450.00	\$900.00	\$800.00	\$1,600.00	\$500.00	\$1,000.00	\$500.00	\$1,000.00	\$500.00	\$1,000.00	\$863.42	\$1,726.84
7	Install 12-Inch Bend	6	Each	\$800.00	\$4,800.00	\$1,400.00	\$8,400.00	\$875.00	\$5,250.00	\$785.00	\$4,710.00	\$750.00	\$4,500.00	\$700.00	\$4,200.00	\$1,544.90	\$9,269.40
8	Install 12" x 6" Tee	2	Each	\$1,000.00	\$2,000.00	\$1,400.00	\$2,800.00	\$900.00	\$1,800.00	\$725.00	\$1,450.00	\$800.00	\$1,600.00	\$850.00	\$1,700.00	\$1,572.16	\$3,144.32
9	Install 12" x 8" Tee	1	Each	\$1,250.00	\$1,250.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$950.00	\$950.00	\$900.00	\$900.00	\$950.00	\$950.00	\$1,602.17	\$1,602.17
10	Install 8-Inch Anchor Coupling	1	Each	\$500.00	\$500.00	\$400.00	\$400.00	\$400.00	\$400.00	\$285.00	\$285.00	\$325.00	\$325.00	\$250.00	\$250.00	\$706.10	\$706.10
11	Install 12-Inch Anchor Coupling	4	Each	\$750.00	\$3,000.00	\$1,400.00	\$5,600.00	\$600.00	\$2,400.00	\$532.00	\$2,128.00	\$550.00	\$2,200.00	\$450.00	\$1,800.00	\$2,192.67	\$8,770.68
12	Install 6-Inch Cap or Plug & Block	1	Each	\$500.00	\$500.00	\$450.00	\$450.00	\$800.00	\$800.00	\$850.00	\$850.00	\$1,000.00	\$1,000.00	\$1,080.00	\$1,080.00	\$1,233.36	\$1,233.36
13	Install 8-Inch Cap or Plug & Block	1	Each	\$600.00	\$600.00	\$480.00	\$480.00	\$800.00	\$800.00	\$985.00	\$985.00	\$1,100.00	\$1,100.00	\$1,090.00	\$1,090.00	\$1,260.00	\$1,260.00
14	Install 12-Inch Cap or Plug & Block	1	Each	\$750.00	\$750.00	\$600.00	\$600.00	\$1,000.00	\$1,000.00	\$1,250.00	\$1,250.00	\$1,200.00	\$1,200.00	\$2,400.00	\$2,400.00	\$1,945.00	\$1,945.00
15	Connect to Existing Waterline	1	Each	\$3,500.00	\$3,500.00	\$4,000.00	\$4,000.00	\$6,000.00	\$6,000.00	\$2,750.00	\$2,750.00	\$2,500.00	\$2,500.00	\$2,200.00	\$2,200.00	\$1,252.00	\$1,252.00
16	Install Fire Hydrant Assembly	1	Each	\$4,500.00	\$4,500.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,375.00	\$4,375.00	\$4,200.00	\$4,200.00	\$5,250.00	\$5,250.00	\$7,707.00	\$7,707.00
17	Install Fire Hydrant Assembly with Swivel 90	1	Each	\$5,000.00	\$5,000.00	\$4,500.00	\$4,500.00	\$4,400.00	\$4,400.00	\$4,650.00	\$4,650.00	\$5,500.00	\$5,500.00	\$5,375.00	\$5,375.00	\$5,004.00	\$5,004.00
18	Install 3/4" Long Service	3	Each	\$1,750.00	\$5,250.00	\$2,800.00	\$8,400.00	\$1,500.00	\$4,500.00	\$1,600.00	\$4,800.00	\$2,000.00	\$6,000.00	\$5,375.00	\$16,125.00	\$5,488.12	\$16,464.36
19	Install 1" Long Service	1	Each	\$2,000.00	\$2,000.00	\$2,800.00	\$2,800.00	\$1,500.00	\$1,500.00	\$2,150.00	\$2,150.00	\$2,400.00	\$2,400.00	\$5,900.00	\$5,900.00	\$7,663.94	\$7,663.94
20	Pavement Removal and Replacement	53	SY	\$125.00	\$6,625.00	\$100.00	\$5,300.00	\$140.00	\$7,420.00	\$120.00	\$6,360.00	\$130.00	\$6,890.00	\$388.00	\$20,564.00	\$458.50	\$24,300.50
21	Concrete Curb & Gutter Removal and Replacement	15	LF	\$75.00	\$1,125.00	\$80.00	\$1,200.00	\$100.00	\$1,500.00	\$45.00	\$675.00	\$50.00	\$750.00	\$281.00	\$4,215.00	\$114.10	\$1,711.50
22	Concrete Sidewalk Removal and Replacement	28	SF	\$20.00	\$560.00	\$35.00	\$980.00	\$50.00	\$1,400.00	\$11.50	\$322.00	\$10.00	\$280.00	\$247.00	\$6,916.00	\$30.15	\$844.20
23	Valve Vault Structure and Piping	1	LS	\$90,000.00	\$90,000.00	\$37,700.00	\$37,700.00	\$79,180.00	\$79,180.00	\$52,000.00	\$52,000.00	\$60,942.00	\$60,942.00	\$112,575.00	\$112,575.00	\$79,250.96	\$79,250.96
24	Valve Vault Electrical	1	LS	\$12,500.00	\$12,500.00	\$20,100.00	\$20,100.00	\$20,000.00	\$20,000.00	\$23,000.00	\$23,000.00	\$15,500.00	\$15,500.00	\$16,410.00	\$16,410.00	\$24,120.00	\$24,120.00
25	Seed, Fertilize, and Mulch	1	LS	\$1,500.00	\$1,500.00	\$4,000.00	\$4,000.00	\$3,000.00	\$3,000.00	\$1,500.00	\$1,500.00	\$1,250.00	\$1,250.00	\$8,400.00	\$8,400.00	\$4,500.00	\$4,500.00
26	Provide Storm Water Pollution Control	1	LS	\$2,500.00	\$2,500.00	\$2,500.00	\$2,500.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$500.00	\$500.00	\$15,260.00	\$15,260.00	\$5,500.00	\$5,500.00
27	Construction Staking	1	LS	\$3,500.00	\$3,500.00	\$2,500.00	\$2,500.00	\$3,000.00	\$3,000.00	\$1,200.00	\$1,200.00	\$1,000.00	\$1,000.00	\$2,050.00	\$2,050.00	\$3,000.00	\$3,000.00
28	Traffic Control	1	LS	\$15,000.00	\$15,000.00	\$2,500.00	\$2,500.00	\$10,000.00	\$10,000.00	\$6,400.00	\$6,400.00	\$5,800.00	\$5,800.00	\$7,155.00	\$7,155.00	\$7,800.00	\$7,800.00
TOTAL ESTIMATE OF PROBABLE COSTS																	
				\$346,200.00		\$221,170.00		\$284,000.00		\$284,955.00		\$308,777.00		\$494,655.00		\$514,395.47	