

POLICY REPORT PWD NO. 22-32

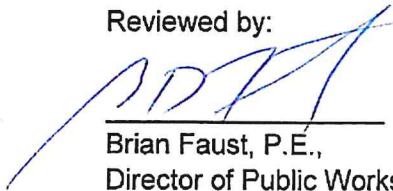
CONSIDER APPROVAL OF LOW BID FOR
THE 2nd & CHESTNUT STONE ARCH REPLACEMENT PROJECT
City Project 2018-895

July 12, 2022

Prepared by:


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ISSUE:

Consider bids received and possible award of the 2nd & Chestnut Stone Arch Replacement Project.

BACKGROUND:

On February 12, 2020, the City Commission approved a design contract with Wilson & Company Engineers for the design of the 2nd & Chestnut Stone Arch Replacement Project.

The project is necessary due to multiple failures in the old system that has created sinkholes (marked by orange fencing) along the project limits. These failures continue to worsen and are coming closer to an occupied structure. This location is near the bottom of the drainage basin so a significant amount of water is captured from upstream and conveyed through this area. This results in larger piping and structure sizes to accommodate the volume of storm water that flows through the area and dumps into the MO River just downstream of this project.



Sinkhole Undercutting the Street



Sinkhole Near Apartments

The 2nd & Chestnut Stone Arch Replacement Project includes upsizing/replacement of the storm water conveyance system from 2nd & Chestnut to the alley Northeast of 4th & Spruce. With the extensive excavations along the project, there is a substantial amount to street reconstruction, sanitary line and manhole replacement and other work required to complete this project. The project location and limits are highlighted on the attached map.

The project plans were prepared by Wilson & Company Engineers and the project was advertised for bid in the Leavenworth Times and at Drexel Technologies. A mandatory pre-bid meeting was held on June 15th and bids were opened on July 6th, 2022. Bid results are shown below and in the attached bid tabulation. Inspection will be by City Staff.

LEXECO was the low bidder and met all bidding requirements. The company has done a number of projects in Leavenworth and has the experience to satisfactorily perform this work.

Company	City	Base Bid
LEXECO, Inc.	Leavenworth, KS	\$3,534,012.80
Linaweaver Construction	Lansing, KS	\$3,555,998.25
Engineer's Estimate		\$3,616,155.00

BUDGET IMPACT:

The initial estimate for the project (February 2021) was \$2.3M. Since that estimate was created, all sectors of the economy are seeing significant increases in costs. The construction industry is no exception. Over the past several months, the City and Wilson & Company have worked to streamline the design to reduce costs where possible. Even with this effort, the project cost has increased roughly 53% over the last 1.5 years.

Currently there is funding available to complete this project. This includes \$1.9M in General Obligation Bonds that were issued for the project back in 2020. Storm water impact fee funds are available to cover the difference.

POLICY:

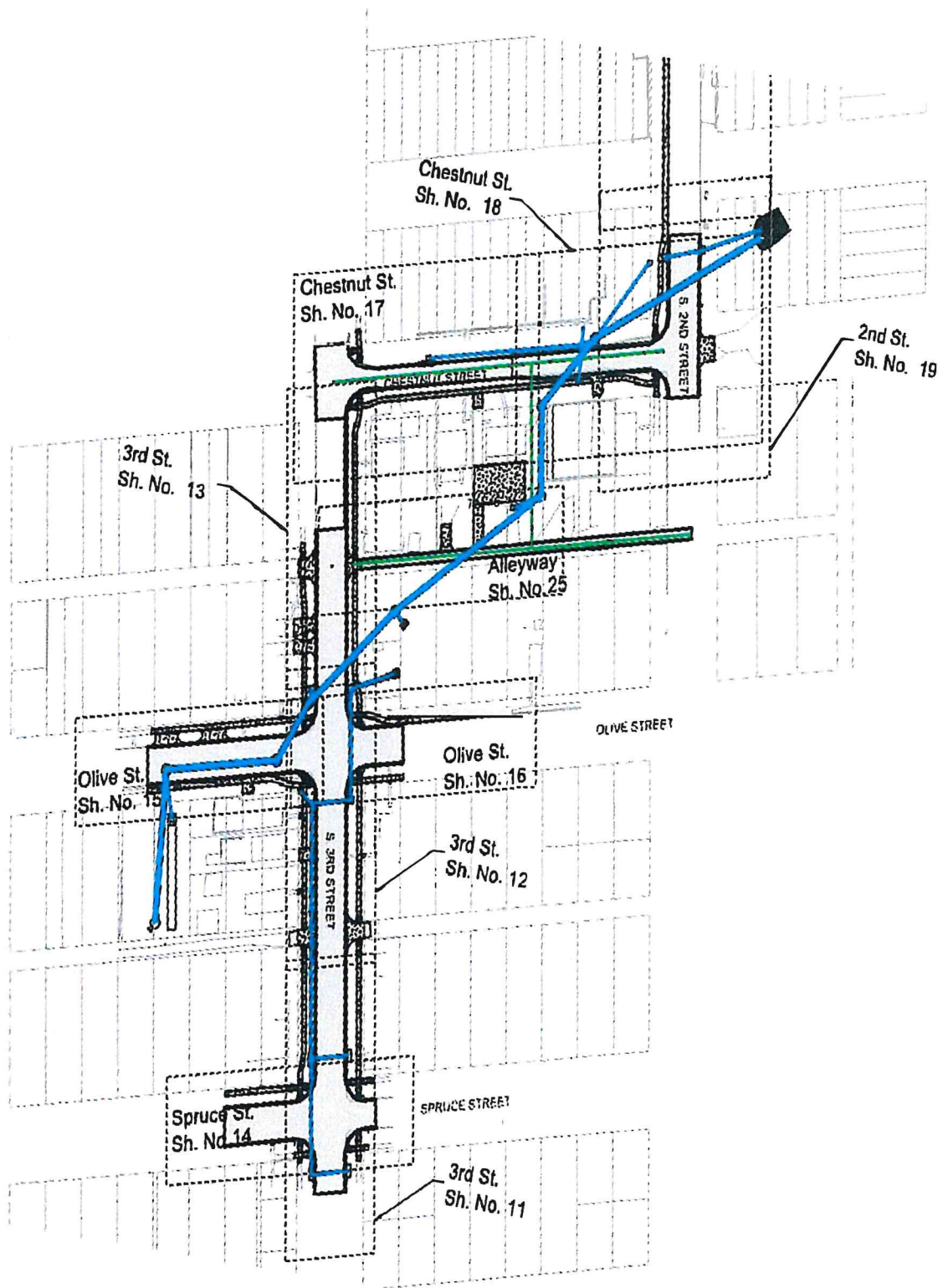
The City Commission generally awards a contract to the lowest bidder if the bid is less than the Engineer's estimate and whose evaluation by the City indicates that the award will be in the best interest of the City. LEXECO's bid was under the engineer's estimate and the contractor is extremely well qualified for this work.

RECOMMENDATION:

Staff recommends that the City Commission award the 2nd & Chestnut Stone Arch Replacement Project to LEXECO for the amount of \$3,534,012.80.

ATTACHMENTS:

- Project Location Map
- Bid Tab



2nd and Chestnut Project Overview

CITY OF LEAVENWORTH
 Project No. 2018-895
 2nd & Chestnut Stone Arch Replacement
 July 6, 2022



Item	Description	Unit	Quantity	Engineer's Estimate		LEXECO, Inc.		Lineweaver Construction	
				Unit Price	Extension	Unit Price	Extension	Unit Price	Extension
1	Mobilization	LS	1	\$30,000.00	\$30,000.00	\$262,300.00	\$30,000.00	\$150,000.00	\$150,000.00
2	Construction Furnished Staking	LS	1	\$10,000.00	\$10,000.00	\$22,890.00	\$22,890.00	\$25,000.00	\$25,000.00
3	Cleaning & Grubbing	LS	1	\$25,000.00	\$25,000.00	\$2,490.00	\$2,490.00	\$200,000.00	\$200,000.00
4	Tree Removal	EA	28	\$500.00	\$14,000.00	\$635.00	\$17,780.00	\$1,500.00	\$42,000.00
5	Existing Stone Arch Excavation & Removal	EA	1	\$60,000.00	\$60,000.00	\$164,540.00	\$164,540.00	\$110,000.00	\$110,000.00
6	Unclassified Excavation	CY	4,410	\$10.00	\$44,100.00	\$42.00	\$185,220.00	\$30.00	\$132,300.00
7	Embankment	CY	3,370	\$15.00	\$50,550.00	\$10.00	\$33,700.00	\$8.00	\$26,960.00
8	Asphaltic Concrete, Surfaces (2" (KDOT SR12.5a Superpave))*	TON	767	\$180.00	\$138,060.00	\$115.00	\$88,205.00	\$114.00	\$87,438.00
9	Asphaltic Concrete, Base (6" (KDOT SR12.5a Superpave))*	TON	2,007	\$150.00	\$301,050.00	\$107.00	\$214,749.00	\$105.00	\$210,735.00
10	Asphaltic Concrete, Surface (4" (KDOT SR12.5a Superpave))*	TON	101	\$180.00	\$18,180.00	\$232.00	\$23,432.00	\$227.00	\$22,927.00
11	Aggregate Base (6" (AB-3))	SY	7,483	\$20.00	\$149,660.00	\$15.50	\$116,141.50	\$8.25	\$61,817.25
12	Geogrid Reinforcement for Base	SY	7,483	\$10.00	\$74,830.00	\$2.85	\$21,355.05	\$3.00	\$22,479.00
13	Curb & Gutter, CG-1	LF	2,481	\$80.00	\$198,480.00	\$39.30	\$97,503.30	\$30.00	\$74,430.00
14	Curb & Gutter, CG-1, Dry	LF	259	\$60.00	\$15,540.00	\$56.10	\$14,529.90	\$33.00	\$8,547.00
15	Curb & Gutter, C-1	LF	10	\$60.00	\$600.00	\$140.00	\$1,400.00	\$40.00	\$400.00
16	Sidewalk Ramps	EA	33	\$2,500.00	\$82,500.00	\$2,020.00	\$66,660.00	\$2,750.00	\$90,750.00
17	Concrete Driveway (6")	SY	630	\$120.00	\$75,600.00	\$87.00	\$54,810.00	\$90.00	\$56,700.00
18	Concrete Sidewalk (4")	SF	15,700	\$12.00	\$188,400.00	\$5.05	\$79,285.00	\$6.00	\$94,500.00
19	Flowable Fill	CY	55	\$150.00	\$8,250.00	\$159.35	\$8,769.25	\$250.00	\$13,750.00
20	Connect to Existing Storm Sewer	EA	3	\$2,000.00	\$6,000.00	\$246.60	\$739.80	\$2,000.00	\$6,000.00
21	5' Standard Storm Manhole	EA	2	\$20,000.00	\$40,000.00	\$8,435.00	\$16,870.00	\$10,000.00	\$20,000.00
22	10' Standard Storm Manhole	EA	8	\$75,000.00	\$600,000.00	\$39,425.00	\$315,400.00	\$38,000.00	\$304,000.00
23	Sidewalk Curb Inlet, Type 2 (5'x4')	EA	2	\$15,000.00	\$30,000.00	\$8,825.00	\$17,650.00	\$17,000.00	\$34,000.00
24	Sidewalk Curb Inlet, Type 2 (6'x4')	EA	2	\$15,000.00	\$30,000.00	\$9,100.00	\$18,200.00	\$10,000.00	\$20,000.00
25	Sidewalk Curb Inlet, Type 2 (6'x6') (Special)	EA	1	\$18,000.00	\$18,000.00	\$15,715.00	\$15,715.00	\$10,000.00	\$10,000.00
26	Sidewalk Curb Inlet, Type 2 (6'x6') (Special)	EA	3	\$20,000.00	\$60,000.00	\$15,601.00	\$46,803.00	\$20,000.00	\$60,000.00
27	Sidewalk Curb Inlet, Type 2 (7'x6') (Special)	EA	1	\$25,000.00	\$25,000.00	\$17,085.00	\$17,085.00	\$24,000.00	\$24,000.00
28	Sidewalk Curb Inlet, Type 2 (12'x4')	EA	3	\$20,000.00	\$60,000.00	\$15,285.00	\$45,855.00	\$18,000.00	\$54,000.00
29	Sidewalk Curb Inlet, Type 2 (12'x6')	EA	1	\$22,000.00	\$22,000.00	\$16,875.00	\$16,875.00	\$18,000.00	\$18,000.00
30	Area Inlet, 2 Sides Open (4'x4')	EA	3	\$10,000.00	\$30,000.00	\$6,235.00	\$18,705.00	\$7,500.00	\$22,500.00
31	Storm Sewer Pipe (15" RCP)	LF	320	\$75.00	\$24,000.00	\$101.00	\$32,320.00	\$175.00	\$55,500.00
32	Storm Sewer Pipe (18" RCP)	LF	17	\$85.00	\$1,445.00	\$137.00	\$2,329.00	\$185.00	\$3,145.00
33	Storm Sewer Pipe (24" RCP)	LF	158	\$100.00	\$15,800.00	\$167.00	\$26,386.00	\$225.00	\$35,550.00
34	Storm Sewer Pipe (30" RCP)	LF	260	\$150.00	\$39,000.00	\$186.00	\$48,100.00	\$250.00	\$65,000.00
35	Storm Sewer Pipe (36" RCP)	LF	298	\$175.00	\$52,150.00	\$214.00	\$63,772.00	\$285.00	\$84,930.00
36	Storm Sewer Pipe (42" RCP)	LF	114	\$200.00	\$22,800.00	\$278.00	\$31,692.00	\$350.00	\$39,900.00
37	Storm Sewer Pipe (48" RCP)	LF	40	\$250.00	\$10,000.00	\$289.00	\$11,560.00	\$400.00	\$16,000.00
38	Storm Sewer Pipe (72" RCP)	LF	1,034	\$750.00	\$775,500.00	\$890.00	\$920,260.00	\$865.00	\$894,410.00
39	End Section (72" RCP)	EA	1	\$15,000.00	\$15,000.00	\$6,905.00	\$6,905.00	\$7,500.00	\$7,500.00
40	End Section (48" RCP)	EA	1	\$7,500.00	\$7,500.00	\$3,500.00	\$3,500.00	\$3,000.00	\$3,000.00
41	End Section (36" RCP)	EA	1	\$5,000.00	\$5,000.00	\$2,769.00	\$2,769.00	\$2,100.00	\$2,100.00
42	End Section (30" RCP)	EA	1	\$4,000.00	\$4,000.00	\$2,218.00	\$2,218.00	\$1,350.00	\$1,350.00
43	Sanitary Sewer Manhole (4' Diameter)	EA	4	\$10,000.00	\$40,000.00	\$7,913.00	\$31,652.00	\$8,500.00	\$34,000.00
44	Sanitary Sewer Pipe (8" SDR-26 PVC)	LF	620	\$100.00	\$62,000.00	\$169.00	\$104,780.00	\$175.00	\$108,500.00
45	Sanitary Sewer Pipe (10" SDR-26 PVC)	LF	418	\$160.00	\$66,880.00	\$187.00	\$78,166.00	\$185.00	\$77,300.00
46	Sanitary Service Connection	EA	4	\$2,500.00	\$10,000.00	\$1,020.00	\$4,080.00	\$800.00	\$3,200.00
47	Sanitary Sewer Cleanout	EA	1	\$2,000.00	\$2,000.00	\$1,530.00	\$1,530.00	\$1,200.00	\$1,200.00
48	Rip Rap (24")	SY	2	\$500.00	\$1,000.00	\$670.00	\$1,340.00	\$250.00	\$500.00
49	Rip Rap (24")	SY	160	\$120.00	\$19,200.00	\$140.00	\$22,400.00	\$115.00	\$18,400.00
50	Granular Filter	SY	160	\$30.00	\$4,800.00	\$15.95	\$2,552.00	\$15.00	\$2,400.00
51	5' Wood Privacy Fence	LF	110	\$100.00	\$11,000.00	\$58.45	\$6,429.50	\$65.00	\$7,150.00
52	Chainlink Fence	LF	10	\$60.00	\$600.00	\$59.45	\$594.50	\$60.00	\$600.00
53	Erosion Control	LS	1	\$12,000.00	\$12,000.00	\$10,860.00	\$10,860.00	\$15,000.00	\$15,000.00
54	Hydroseeding (RAW & City owned Property)	AC	4	\$5,000.00	\$20,000.00	\$3,665.00	\$14,660.00	\$5,000.00	\$20,000.00
55	Soilbedding & Restoration (Private Property)	AC	1	\$10,000.00	\$10,000.00	\$7,680.00	\$7,680.00	\$35,000.00	\$35,000.00
56	Temporary Traffic Control	LS	1	\$8,000.00	\$8,000.00	\$20,860.00	\$20,860.00	\$11,500.00	\$11,500.00
57	Asphalt Oil Price Adjustment	LS	1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
				TOTAL BASE BID:	\$3,616,155.00	\$3,594,012.80	\$3,594,012.80	\$3,555,988.25	\$3,555,988.25

* computed at a rate of 145 lbs/CF