

Louisville Water Company
Bid 18-73 / Carbon Fiber-Reinforced Polymer Repairs on Large Diameter Water Mains
Initial Term: September 1, 2018 - August 31, 2019

Awardee: Structural Preservation Systems, LLC
Buyer: Terri Conner
Project Manager: Andy Williams
1st Year Annual Estimate: \$2,023,400

BIDDERS:				Structural Preservation Systems, LLC		Fibrwrap Construction Services, Inc. (1) Disqualified		HJ3 Composite Technologies (2) Disqualified	
Annual Estimated Total:				\$1,959,540.00		\$1,195,703.00		\$1,593,623.98	
Acknowledge Receipt of Addendums #1, 2, & 3:				Yes		Yes		Yes	
Bid Signed:				Yes		Yes		Yes	
Good Faith Effort Documents Submitted:				Yes		Yes		Yes	
Item #	Description	1st Year Est. Qty.	Unit of Measure	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
Design of Repairs and Preparation of Stamped Drawings and Calculations*									
1	CFRP Repairs to be on Pipe Interior								
1a	30"- diameter Pipe	2	Per Pipe Design	\$8,500.00	\$17,000.00	\$1,875.00	\$3,750.00	\$3,500.00	\$7,000.00
1b	36"- diameter Pipe	0	Per Pipe Design	\$8,500.00	\$0.00	\$1,875.00	\$0.00	\$0.00	\$0.00
1c	48"- diameter Pipe	1	Per Pipe Design	\$8,500.00	\$8,500.00	\$1,875.00	\$1,875.00	\$3,500.00	\$3,500.00
1d	60"- diameter Pipe	5	Per Pipe Design	\$8,500.00	\$42,500.00	\$1,875.00	\$9,375.00	\$3,500.00	\$17,500.00
1e	72"- diameter Pipe	0	Per Pipe Design	\$8,500.00	\$0.00	\$1,875.00	\$0.00	\$0.00	\$0.00
1f	78"- diameter Pipe	0	Per Pipe Design	\$8,500.00	\$0.00	\$1,875.00	\$0.00	\$0.00	\$0.00
Installation of Internally Applied CFRP Repairs**									
2	Basic Repairs including Surface Preparation, Supply & Install 2 Hoop CFRP Layers, 1 Longitudinal CFRP Layer, Top Coat, Independent Inspection, and QA/QC Report								
2a	30"- diameter Pipe	40	LF of Pipe	\$3,535.00	\$141,400.00	\$1,650.00	\$66,000.00	\$1,788.36	\$71,534.40
2b	36"- diameter Pipe	0	LF of Pipe	\$3,400.00	\$0.00	\$1,914.00	\$0.00	\$0.00	\$0.00
2c	48"- diameter Pipe	40	LF of Pipe	\$3,450.00	\$138,000.00	\$2,463.00	\$98,520.00	\$2,861.37	\$114,454.80
2d	60"- diameter Pipe	200	LF of Pipe	\$3,550.00	\$710,000.00	\$2,574.00	\$514,800.00	\$3,576.71	\$715,342.00
2e	72"- diameter Pipe	0	LF of Pipe	\$3,800.00	\$0.00	\$3,089.00	\$0.00	\$0.00	\$0.00
2f	78"- diameter Pipe	0	LF of Pipe	\$3,900.00	\$0.00	\$3,347.00	\$0.00	\$0.00	\$0.00
3	Additional Repairs: Each Additional CFRP Layer (Hoop/Longitudinal)								
3a	30"- diameter Pipe	40	LF of Pipe	\$1,060.50	\$42,420.00	\$226.00	\$9,040.00	\$519.55	\$20,782.00
3b	36"- diameter Pipe	0	LF of Pipe	\$1,020.00	\$0.00	\$267.00	\$0.00	\$0.00	\$0.00
3c	48"- diameter Pipe	40	LF of Pipe	\$1,035.00	\$41,400.00	\$350.00	\$14,000.00	\$831.27	\$33,250.80
3d	60"- diameter Pipe	200	LF of Pipe	\$1,065.00	\$213,000.00	\$453.00	\$90,600.00	\$1,039.09	\$207,818.00
3e	72"- diameter Pipe	0	LF of Pipe	\$1,140.00	\$0.00	\$543.00	\$0.00	\$0.00	\$0.00
3f	78"- diameter Pipe	0	LF of Pipe	\$1,170.00	\$0.00	\$589.00	\$0.00	\$0.00	\$0.00
4	Additional Repairs: Each Additional GFRP Layer (Hoop/Longitudinal)								
4a	30"- diameter Pipe	40	LF of Pipe	\$902.00	\$36,080.00	\$144.00	\$5,760.00	\$257.42	\$10,296.80
4b	36"- diameter Pipe	0	LF of Pipe	\$867.00	\$0.00	\$168.00	\$0.00	\$0.00	\$0.00
4c	48"- diameter Pipe	40	LF of Pipe	\$880.00	\$35,200.00	\$218.00	\$8,720.00	\$411.87	\$16,474.80
4d	60"- diameter Pipe	200	LF of Pipe	\$906.00	\$181,200.00	\$288.00	\$57,600.00	\$514.83	\$102,966.00
4e	72"- diameter Pipe	0	LF of Pipe	\$969.00	\$0.00	\$345.00	\$0.00	\$0.00	\$0.00
4f	78"- diameter Pipe	0	LF of Pipe	\$995.00	\$0.00	\$374.00	\$0.00	\$0.00	\$0.00
5	Termination End When Using CFRP including Internal Compression Rings								
5a	30"- diameter Pipe	4	EA	\$3,800.00	\$15,200.00	\$1,222.00	\$4,888.00	\$3,825.33	\$15,301.32
5b	36"- diameter Pipe	0	EA	\$4,000.00	\$0.00	\$1,222.00	\$0.00	\$0.00	\$0.00
5c	48"- diameter Pipe	2	EA	\$4,200.00	\$8,400.00	\$1,262.00	\$2,524.00	\$4,362.53	\$8,725.06
5d	60"- diameter Pipe	10	EA	\$4,400.00	\$44,000.00	\$1,356.00	\$13,560.00	\$4,674.00	\$46,740.00
5e	72"- diameter Pipe	0	EA	\$4,725.00	\$0.00	\$1,502.00	\$0.00	\$0.00	\$0.00
5f	78"- diameter Pipe	0	EA	\$4,865.00	\$0.00	\$1,636.00	\$0.00	\$0.00	\$0.00
Internal Pipeline Access Issues**									
6	Additional Costs for Pipeline Repairs at the Following Distance from Nearest Access Point								
6a	>500 feet to 1,000 feet	5	EA	\$3,500.00	\$17,500.00	\$579.00	\$2,895.00	\$3,633.00	\$18,165.00
6b	>1,000 feet to 1,500 feet	1	EA	\$6,800.00	\$6,800.00	\$3,215.00	\$3,215.00	\$7,267.00	\$7,267.00
6c	>1,500 feet to 2,000 feet	1	EA	\$6,800.00	\$6,800.00	\$4,593.00	\$4,593.00	\$7,267.00	\$7,267.00
6d	>2,000 feet to 2,500 feet	0	EA	\$10,500.00	\$0.00	\$6,890.00	\$0.00	\$0.00	\$0.00
6e	>2,500 feet to 3,000 feet	0	EA	\$13,250.00	\$0.00	\$9,186.00	\$0.00	\$0.00	\$0.00
Miscellaneous Items**									
7	Miscellaneous Cost Items								
7a	PCCP Pipe Concrete Repairs - Internal	40	SF	\$160.00	\$6,400.00	\$370.00	\$14,800.00	\$62.50	\$2,500.00
7b	Mobilization including travel, equipment, site reconnaissance, planning documents, etc.	9	EA	\$24,860.00	\$223,740.00	\$23,147.00	\$208,323.00	\$15,471.00	\$139,239.00
7c	Standby Charges for LWC-caused Delays Following Mobilization of Contractor to Jobsite	5	Per Calendar Day	\$4,800.00	\$24,000.00	\$12,173.00	\$60,865.00	\$5,500.00	\$27,500.00
Annual Estimated Total:				\$1,959,540.00		\$1,195,703.00		\$1,593,623.98	

Planholders not submitting a Bid: Coatings Unlimited Inc., MAC Construction and Excavating, Inc., and SAK Construction, LLC
(1) Bid disqualified; deemed non-responsive. Bidder did not meet specifications: the designer did not have enough experience, bid required for a minimum of 50 rehab projects in last 5 years. The bidder stated that their designer only had 25 pipeline projects in last 5 years. Effected outcome of the bid.
(2) Bid disqualified; deemed non-responsive. Bidder entered zero dollars on 17 line items. After further review, it was explained by firm that they did not bid on the items since it had a zero in the quantity section. Therefore, bidder did not bid on all line items as required in the specifications. Effected outcome of the bid.