

LOUISVILLE WATER COMPANY
Bid 23-74 / Project 23937 / Carbon Fiber-Reinforced Polymer Repairs on Large Diameter Water Mains
Bid Opening Date: August 30, 2023
Initial Term: September 1, 2023 - August 31, 2024
PM Annual Estimate: \$862,700

Awardee: Structural Preservation Systems, LLC

Buyer's Name: Terri Young

Project Manager's Name: Andy Williams

BIDDERS:				Structural Preservation Systems, LLC		Insituform Technologies, LLC dba Fibwrap Construction Services	
Annual Estimated Total:				\$920,954.00		\$1,699,492.00	
Acknowledge Receipt of Addendum #1, #2 & #3:				Yes		Yes	
Bid Signed:				Yes		Yes	
Statement of MBE/WBE Good Faith Effort Documents Submitted:				Yes		Yes	
Claiming Local Preference:				No		No	
Claiming SBE Preference:				No		No	
Item #	Description	1st Year Est. Qty.	Unit of Measure	Unit Price	Total Price	Unit Price	Total Price
1	Design of Repairs and Preparation of Stamped Drawings and Calculations						
1a	CFRP Repairs to be on Pipe Interior - 30"-diameter pipe	1	Per Pipe Design	\$10,371.00	\$10,371.00	\$3,900.00	\$3,900.00
1b	CFRP Repairs to be on Pipe Interior - 36"-diameter pipe	2	Per Pipe Design	\$10,371.00	\$20,742.00	\$3,900.00	\$7,800.00
1c	CFRP Repairs to be on Pipe Interior - 48"-diameter pipe	1	Per Pipe Design	\$10,371.00	\$10,371.00	\$3,900.00	\$3,900.00
1d	CFRP Repairs to be on Pipe Interior - 60"-diameter pipe	2	Per Pipe Design	\$10,371.00	\$20,742.00	\$3,900.00	\$7,800.00
1e	CFRP Repairs to be on Pipe Interior - 72"-diameter pipe	1	Per Pipe Design	\$10,371.00	\$10,371.00	\$3,900.00	\$3,900.00
1f	CFRP Repairs to be on Pipe Interior - 78"-diameter pipe	1	Per Pipe Design	\$10,371.00	\$10,371.00	\$3,900.00	\$3,900.00
2	Installation of Internally Applied CFRP Repairs						
2a	Basic Repairs including Surface Preparation, Supply & Install 1 Hoop GFRP Layer, 2 Hoop CFRP Layers, 1 Longitudinal CFRP Layer, Top Coat, Independent Inspection, As-Built, and QA/QC Report - 30"-diameter pipe	1	L.F. of Pipe	\$5,414.00	\$5,414.00	\$2,438.00	\$2,438.00
2b	Basic Repairs including Surface Preparation, Supply & Install 1 Hoop GFRP Layer, 2 Hoop CFRP Layers, 1 Longitudinal CFRP Layer, Top Coat, Independent Inspection, As-Built, and QA/QC Report - 36"-diameter pipe	40	L.F. of Pipe	\$5,207.00	\$208,280.00	\$2,917.00	\$116,680.00
2c	Basic Repairs including Surface Preparation, Supply & Install 1 Hoop GFRP Layer, 2 Hoop CFRP Layers, 1 Longitudinal CFRP Layer, Top Coat, Independent Inspection, As-Built, and QA/QC Report - 48"-diameter pipe	1	L.F. of Pipe	\$5,283.00	\$5,283.00	\$3,514.00	\$3,514.00
2d	Basic Repairs including Surface Preparation, Supply & Install 1 Hoop GFRP Layer, 2 Hoop CFRP Layers, 1 Longitudinal CFRP Layer, Top Coat, Independent Inspection, As-Built, and QA/QC Report - 60"-diameter pipe	40	L.F. of Pipe	\$5,437.00	\$217,480.00	\$3,975.00	\$159,000.00
2e	Basic Repairs including Surface Preparation, Supply & Install 1 Hoop GFRP Layer, 2 Hoop CFRP Layers, 1 Longitudinal CFRP Layer, Top Coat, Independent Inspection, As-Built, and QA/QC Report - 72"-diameter pipe	1	L.F. of Pipe	\$5,819.00	\$5,819.00	\$4,763.00	\$4,763.00
2f	Basic Repairs including Surface Preparation, Supply & Install 1 Hoop GFRP Layer, 2 Hoop CFRP Layers, 1 Longitudinal CFRP Layer, Top Coat, Independent Inspection, As-Built, and QA/QC Report - 78"-diameter pipe	1	L.F. of Pipe	\$5,973.00	\$5,973.00	\$5,157.00	\$5,157.00
3	Installation of Internally Applied CFRP Repairs						
3a	Additional Repairs: Each Additional CFRP Layer (Hoop/Longitudinal) - 30"-diameter pipe	1	L.F. of Pipe	\$1,294.00	\$1,294.00	\$770.00	\$770.00
3b	Additional Repairs: Each Additional CFRP Layer (Hoop/Longitudinal) - 36"-diameter pipe	40	L.F. of Pipe	\$1,245.00	\$49,800.00	\$922.00	\$36,880.00
3c	Additional Repairs: Each Additional CFRP Layer (Hoop/Longitudinal) - 48"-diameter pipe	1	L.F. of Pipe	\$1,263.00	\$1,263.00	\$1,135.00	\$1,135.00
3d	Additional Repairs: Each Additional CFRP Layer (Hoop/Longitudinal) - 60"-diameter pipe	40	L.F. of Pipe	\$1,300.00	\$52,000.00	\$1,249.00	\$49,960.00
3e	Additional Repairs: Each Additional CFRP Layer (Hoop/Longitudinal) - 72"-diameter pipe	1	L.F. of Pipe	\$1,391.00	\$1,391.00	\$1,496.00	\$1,496.00
3f	Additional Repairs: Each Additional CFRP Layer (Hoop/Longitudinal) - 78"-diameter pipe	1	L.F. of Pipe	\$1,428.00	\$1,428.00	\$1,620.00	\$1,620.00
4	Installation of Internally Applied GFRP Repairs						
4a	Additional Repairs: Each Additional GFRP Layer (Hoop/Longitudinal) - 30"-diameter pipe	1	L.F. of Pipe	\$400.00	\$400.00	\$686.00	\$686.00
4b	Additional Repairs: Each Additional GFRP Layer (Hoop/Longitudinal) - 36"-diameter pipe	40	L.F. of Pipe	\$420.00	\$16,800.00	\$821.00	\$32,840.00
4c	Additional Repairs: Each Additional GFRP Layer (Hoop/Longitudinal) - 48"-diameter pipe	1	L.F. of Pipe	\$440.00	\$440.00	\$1,002.00	\$1,002.00
4d	Additional Repairs: Each Additional GFRP Layer (Hoop/Longitudinal) - 60"-diameter pipe	40	L.F. of Pipe	\$460.00	\$18,400.00	\$1,082.00	\$43,280.00
4e	Additional Repairs: Each Additional GFRP Layer (Hoop/Longitudinal) - 72"-diameter pipe	1	L.F. of Pipe	\$480.00	\$480.00	\$1,297.00	\$1,297.00
4f	Additional Repairs: Each Additional GFRP Layer (Hoop/Longitudinal) - 78"-diameter pipe	1	L.F. of Pipe	\$500.00	\$500.00	\$1,405.00	\$1,405.00
5	Installation of Internally Applied CFRP Repairs						
5a	Termination End When Using CFRP including Internal Compression Rings - 30"-diameter pipe	1	Each	\$4,637.00	\$4,637.00	\$22,072.00	\$22,072.00
5b	Termination End When Using CFRP including Internal Compression Rings - 36"-diameter pipe	4	Each	\$4,881.00	\$19,524.00	\$25,556.00	\$102,224.00
5c	Termination End When Using CFRP including Internal Compression Rings - 48"-diameter pipe	1	Each	\$5,125.00	\$5,125.00	\$25,702.00	\$25,702.00
5d	Termination End When Using CFRP including Internal Compression Rings - 60"-diameter pipe	4	Each	\$5,369.00	\$21,476.00	\$29,552.00	\$118,208.00

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5e	Termination End When Using CFRP including Internal Compression Rings - 72"- diameter pipe	1	Each	\$5,765.00	\$5,765.00	\$31,425.00	\$31,425.00
5f	Termination End When Using CFRP including Internal Compression Rings - 78"- diameter pipe	1	Each	\$5,936.00	\$5,936.00	\$31,437.00	\$31,437.00
6 Internal Pipeline Access Issues							
6a	Additional Costs for Pipeline Repairs at the Following Distance from Nearest Access Point - >500 feet to 1,000 feet	2	Each	\$4,000.00	\$8,000.00	\$36,988.00	\$73,976.00
6b	Additional Costs for Pipeline Repairs at the Following Distance from Nearest Access Point - >1,000 feet to 1,500 feet	1	Each	\$8,000.00	\$8,000.00	\$57,411.00	\$57,411.00
6c	Additional Costs for Pipeline Repairs at the Following Distance from Nearest Access Point - >1,500 feet to 2,000 feet	1	Each	\$8,000.00	\$8,000.00	\$79,079.00	\$79,079.00
6d	Additional Costs for Pipeline Repairs at the Following Distance from Nearest Access Point - >2,000 feet to 2,500 feet	1	Each	\$8,500.00	\$8,500.00	\$111,076.00	\$111,076.00
6e	Additional Costs for Pipeline Repairs at the Following Distance from Nearest Access Point - >2,500 feet to 3,000 feet	1	Each	\$8,500.00	\$8,500.00	\$146,159.00	\$146,159.00
7 Miscellaneous Items							
7a	PCCP Concrete Repairs - Internal	30	S.F.	\$25.00	\$750.00	\$1,200.00	\$36,000.00
7b	Mobilization including travel, equipment, site reconnaissance, planning documents, etc.	4	Each	\$30,332.00	\$121,328.00	\$56,000.00	\$224,000.00
7c	Standby Charges for LWC-caused Delays Following Mobilization of Contractor to Jobsite	8	Per Calendar Day	\$2,500.00	\$20,000.00	\$18,200.00	\$145,600.00
Annual Estimated Total:				\$920,954.00		\$1,699,492.00	

Planholders not submitting a bid: MAC Construction and Excavating Inc. and PWXPress