

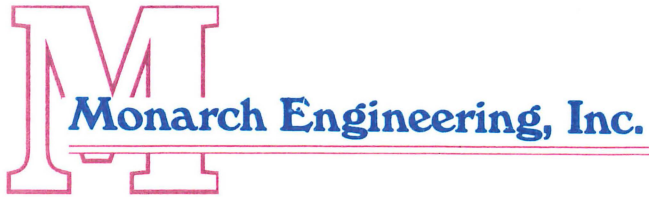
# FINAL ENGINEERING REPORT

## 2019 WATER SYSTEM IMPROVEMENTS

GREEN-TAYLOR WATER DISTRICT  
GREENSBURG, KENTUCKY

MAY 2021





May 14, 2021

William Netherland, Chairman  
Green-Taylor Water District  
P.O. Box 218  
Greensburg, KY 42743

Re: 2019 Water System Improvements Project  
Bid Opening Results and Recommendation for Contract Award

Mr. Netherland:

On April 29, 2020, bids were received by the Green-Taylor Water District for the construction of various water system improvements, known collectively as the 2019 Water System Improvements Project. This work was separated into two (2) individual construction contracts as follows:

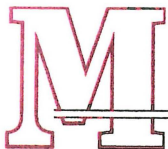
Contract No. 1 - Pump Station Rehabilitations & Pierce Tank Yard Piping Improvements;

Contract No. 2 - Water Storage Tank Rehabilitations.

Considering Contract No. 1, three (3) proposals were received, with the lowest being submitted by Flo-Line Contracting LLC of Monticello, Kentucky for \$398,400.00. Work included in this contract consists of three (3) booster pump station rehabilitations/upgrades and yard piping improvements at one existing water storage tank. The sites included in the Base Bid are known locally as the Exie Pump Station, Donansburg Pump Station, Mac-Pittman Pump Station, and Pierce Storage Tank. In addition, one (1) Alternate Bid was received with the lowest being submitted by Flo-Line Contracting LLC in the amount of \$177,200.00.

Considering Contract No. 2, five (5) proposals were received, with the lowest being submitted by Preferred Sandblasting & Painting, LLC of Shelbyville, TN. After thorough examination, it was later determined that the bid submitted by Preferred Sandblasting & Painting, LLC was incomplete and therefore rejected. Due to this action, the resulting low bid was submitted by G&L Tank Sandblasting & Coatings, LLC of Shelbyville, TN in the amount of \$246,025.00. This contract includes of the rehabilitation of an existing water storage tank known locally as the Pierce Storage Tank. In addition, three (3) Alternate Bids were received. G&L Tank Sandblasting & Coatings, LLC submitted the lowest qualifying bid relative to Alternate No. 1 in the amount of \$113,000.00 and Alternate No. 3 in the amount of \$115,000.00. Currens Construction Services, LLC, of Harrodsburg, KY submitted the lowest qualifying bid for Alternate No. 2 in the amount of \$213,450.00.

A summarized tabulation of all bids received for each contract is attached for your reference.



May 14, 2021  
Page Two

A contract award of the lowest qualifying Base Bids for both contracts in the combined amount of \$644,425.00 would result in a total project cost of \$823,000.00. Given that the current amount of available project funding is \$564,600.00, the resulting budget shortfall would be \$258,400.00. A Final Project Budget (Option No. 2) outlining this scenario is attached for your consideration. Given this considerable shortfall, no further consideration was given to any alternate bid for either contract.

In evaluating the priority of the work as bid, it is our opinion that all work included in Contract No. 1 would be primary. In addition, the interior portion of the work (coatings, repairs, and piping modifications) for the Pierce Storage Tank included in Contract No. 2 is also vital. Accordingly, the low qualifying bidder relative to Contract No. 2 was contacted regarding their willingness to move forward with a reduced scope which eliminated all proposed exterior work from the contract. They were agreeable to this request but proposed that an allowance of \$3,000.00 be added for exterior paint touch ups required due to damage resulting from interior welding.

Therefore, based on the competitive nature of the bids received, and in effort to make the best use of the available project funding, we recommend that the District consider awarding contracts to Flo-Line Contracting LLC and G&L Tank Sandblasting & Coatings, LLC in respective amounts of \$398,400.00 and \$108,525.00. This will result in a total project cost of \$657,000.00, including contingency. As noted in the attached Final Project Budget (Option No. 1), it is anticipated that a maximum \$92,400 budget shortfall will be financed using District reserve funds. However, if contingency funds are not needed, this amount will be reduced.

All recommendations detailed herein are contingent upon approval from the Kentucky Division of Water, the Kentucky Infrastructure Authority and the Kentucky Public Service Commission.

Should you have any questions or require any additional information, please advise.

Sincerely,

Lee Mudd, P.E.  
Project Engineer

/jlm

Attachments

Cc: Sandy Williams  
Deputy Executive Director, Kentucky Infrastructure Authority

MONARCH ENGINEERING, INC.  
 556 Carlton Drive  
 Lawrenceburg, KY 40342  
 Phone (502) 839-1310  
 Fax (502) 839-1373

**BID TABULATIONS  
 GREEN-TAYLOR WATER DISTRICT  
 2019 WATER SYSTEM IMPROVEMENTS:  
 CONTRACT NO. 1  
 GREEN COUNTY, KENTUCKY**

**BID DATE: APRIL 29, 2021 @ 11:00 A.M. LOCAL TIME**

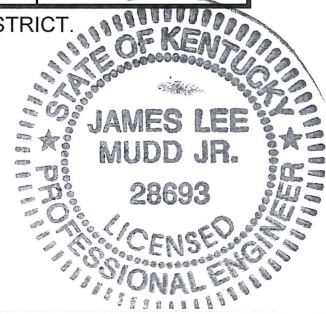
ITEM NO.	DESCRIPTION	QUANTITY	Flo-Line Contracting 189 Sunstar Blvd. Monticello, KY 42633		Cumberland Pipeline, LLC 2909 Cane Valley Mill Road Columbia, KY 42728		Stotts Construction Co., Inc.* P.O. Box 1689 Columbia, KY 42728	
			UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
	<b>BASE BID CONTRACT</b>							
	<b>EXIE PUMP STATION</b>							
1.1	Demolition & Removal	1 LS	\$8,500.00	\$8,500.00	\$6,470.00	\$6,470.00	\$10,000.00	\$10,000.00
1.2	Building Modifications & Improvements	1 LS	16,000.00	16,000.00	16,893.00	16,893.00	65,000.00	65,000.00
1.3	Booster Pumps	1 LS	29,500.00	29,500.00	21,941.00	21,941.00	28,000.00	28,000.00
1.4	Piping & Appurtenances	1 LS	42,000.00	42,000.00	62,821.00	62,821.00	6,000.00	6,000.00
1.5	Paint & Coatings	1 LS	13,200.00	13,200.00	11,458.00	11,458.00	25,000.00	25,000.00
1.6	Controls & Instrumentation	1 LS	27,200.00	27,200.00	19,382.00	19,382.00	50,000.00	50,000.00
1.7	Electrical & Mechanical	1 LS	20,700.00	20,700.00	50,508.00	50,508.00	25,000.00	25,000.00
	<b>EXIE PUMP STATION SUBTOTAL</b>			<b>\$157,100.00</b>		<b>\$189,473.00</b>		<b>\$209,000.00</b>
	<b>DONANSBURG PUMP STATION</b>							
2.1	Demolition & Removal	1 LS	\$8,500.00	\$8,500.00	\$6,470.00	\$6,470.00	\$10,000.00	\$10,000.00
2.2	Building Modifications & Improvements	1 LS	16,000.00	16,000.00	16,893.00	16,893.00	65,000.00	65,000.00
2.3	Booster Pumps	1 LS	30,500.00	30,500.00	23,278.00	23,278.00	30,000.00	30,000.00
2.4	Piping & Appurtenances	1 LS	41,000.00	41,000.00	56,539.00	56,539.00	6,000.00	6,000.00
2.5	Paint & Coatings	1 LS	13,200.00	13,200.00	11,751.00	11,751.00	20,000.00	20,000.00
2.6	Controls & Instrumentation	1 LS	30,000.00	30,000.00	21,172.00	21,172.00	28,000.00	28,000.00
2.7	Electrical & Mechanical	1 LS	20,700.00	20,700.00	41,855.00	41,855.00	25,000.00	25,000.00
	<b>DONANSBURG PUMP STATION SUBTOTAL</b>			<b>\$159,900.00</b>		<b>\$177,958.00</b>		<b>\$184,000.00</b>
	<b>TOTAL BASE BID</b>			<b>\$398,400.00</b>		<b>\$491,070.00</b>		<b>\$509,000.00</b>

THE ABOVE IS A TRUE AND COMPLETE TABULATION OF BIDS RECEIVED AT 11:00 A.M. LOCAL TIME, THURSDAY, APRIL 29, 2021 AT THE GREEN-TAYLOR WATER DISTRICT.

\* DENOTES AN ARITHMETIC ERROR WAS MADE ON BASE BID, AMOUNT HAS BEEN CORRECTED TO REFLECT UNIT PRICE SUBMITTED.

BY: James Lee Mudd, Jr., P.E.  
 Project No. 2031

5-4-21  
 Date



MONARCH ENGINEERING, INC.  
 556 Carlton Drive  
 Lawrenceburg, KY 40342  
 Phone (502) 839-1310  
 Fax (502) 839-1373

**BID TABULATIONS**  
**GREEN-TAYLOR WATER DISTRICT**  
**2019 WATER SYSTEM IMPROVEMENTS:**  
**CONTRACT NO. 1**  
**GREEN COUNTY, KENTUCKY**  
**BID DATE: APRIL 29, 2021 @ 11:00 A.M. LOCAL TIME**

			Flo-Line Contracting 189 Sunstar Blvd. Monticello, KY 42633		Cumberland Pipeline, LLC 2909 Cane Valley Mill Road Columbia, KY 42728		Stotts Construction Co., Inc. P.O. Box 1689 Columbia, KY 42728	
ITEM NO.	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
	<b>BASE BID (Cont'd)</b>							
	<b>MAC-PITTMAN PUMP STATION</b>							
3.1	Demolition & Removal	1 LS	\$2,800.00	\$2,800.00	\$1,293.00	\$1,293.00	\$10,000.00	\$10,000.00
3.2	Piping & Appurtenances	1 LS	16,000.00	16,000.00	15,907.00	15,907.00	6,000.00	6,000.00
3.3	Controls & Instrumentation	1 LS	17,000.00	17,000.00	12,651.00	12,651.00	50,000.00	50,000.00
3.4	Electrical	1 LS	5,600.00	5,600.00	14,788.00	14,788.00	25,000.00	25,000.00
	<b>MAC-PITTMAN PUMP STATION SUBTOTAL</b>			<b>\$41,400.00</b>		<b>\$44,639.00</b>		<b>\$91,000.00</b>
4.1	Pierce Tank Site Piping Modification	1 LS	\$40,000.00	\$40,000.00	\$79,000.00	\$79,000.00	\$25,000.00	\$25,000.00
ITEM NO.	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
	<b>ADDITIVE ALTERNATE NO. 1 BID</b>							
	<b>SUMMERSVILLE PUMP STATION</b>							
A1.1	Demolition & Removal	1 LS	\$8,500.00	\$8,500.00	\$6,470.00	\$6,470.00	\$15,000.00	\$15,000.00
A1.2	Building Modifications & Improvements	1 LS	18,500.00	18,500.00	22,070.00	22,070.00	75,000.00	75,000.00
A1.3	Booster Pumps	1 LS	36,000.00	36,000.00	25,424.00	25,424.00	25,000.00	25,000.00
A1.4	Piping & Appurtenances	1 LS	50,000.00	50,000.00	62,284.00	62,284.00	6,000.00	6,000.00
A1.5	Paint & Coatings	1 LS	13,200.00	13,200.00	12,714.00	12,714.00	10,000.00	10,000.00
A1.6	Controls & Instrumentation	1 LS	27,000.00	27,000.00	24,420.00	24,420.00	50,000.00	50,000.00
A1.7	Electrical & Mechanical	1 LS	24,000.00	24,000.00	45,855.00	45,855.00	25,000.00	25,000.00
	<b>SUMMERSVILLE PUMP STATION SUBTOTAL</b>			<b>\$177,200.00</b>		<b>\$199,237.00</b>		<b>\$206,000.00</b>
	<b>TOTAL ADDITIVE ALTERNATE NO. 1 BID</b>			<b>\$177,200.00</b>		<b>\$199,237.00</b>		<b>\$206,000.00</b>

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**BID TABULATIONS  
 GREEN-TAYLOR WATER DISTRICT  
 2019 WATER SYSTEM IMPROVEMENTS  
 CONTRACT NO. 2 - WATER STORAGE TANK REHABILITATIONS  
 GREEN COUNTY, KENTUCKY  
 BID DATE: APRIL 29, 2021 @ 11:00 A.M. LOCAL TIME**

ITEM NO.	DESCRIPTION	QUANTITY	G&L Tank Sandblasting & Coatings, LLC 2101 Highway 64 West Shelbyville, TN 37160		Currens Construction Services, LLC P.O. Box 492 Harrodsburg, KY 40330		Huffman Tank & Tower, Inc. 210 Burkesville Road Albany, KY 42602	
			UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
	<b>BASE BID CONTRACT</b>							
	<b>PIERCE TANK</b>							
1.1	Containment & Protection	1 LS	\$40,000.00	\$40,000.00	\$52,000.00	\$52,000.00	\$65,000.00	\$65,000.00
1.2	Miscellaneous Repairs & Modifications	1 LS	54,825.00	54,825.00	40,350.00	40,350.00	74,000.00	74,000.00
	1.2A) Caulk between roof cap plate & finger panels with Sika Flex-1A (Est: 285 LF)		1,500.00		1,800.00		2,000.00	
	1.2B) Grind flush all sharp edges, weld spatter, burrs, etc. (Estimated: 2 hours)		75.00		300.00		1,000.00	
	1.2C) Fill sharp edged pits and pits 1/8" or shallower with a surfacing epoxy (Estimated: 20 SF)		500.00		200.00		4,000.00	
	1.2D) Weld pits deeper than 3/16" (Estimated: 30 square inches)		750.00		600.00		1,000.00	
	1.2E) Remove dereriated interior tank ladder. Install new OSHA compliant ladder with S.S. fall prevention cable & associated hardware.		7,500.00		5,900.00		15,000.00	
	1.2F) Remove the level indicator, target, float, and all connections, brackets, hardware, etc. Patch all holes in the tank by welding.		500.00		1,300.00		3,000.00	
	1.2G) Remove existing steel siphon pipe assembly. Install a new 4" diameter schedule 80 PVC siphon pipe.		3,000.00		3,100.00		3,000.00	
	<b>TOTAL BASE BID (Cont'd)</b>							

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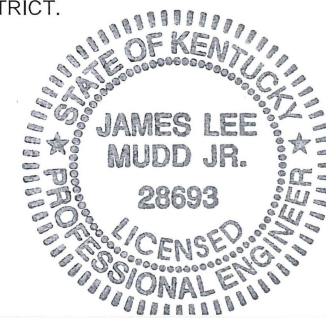
+ DENOTES THAT BID WAS INCOMPLETE AND REJECTED

\* DENOTES AN ARITHMETIC ERROR WAS MADE, AMOUNT HAS BEEN CORRECTED TO REFLECT UNIT PRICE SUBMITTED.

BY: James Lee Mudd, Jr., P.E.

5-4-21  
Date

Project No. 2031



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**BID TABULATIONS**  
**GREEN-TAYLOR WATER DISTRICT**  
**2019 WATER SYSTEM IMPROVEMENTS**  
**CONTRACT NO. 2 - WATER STORAGE TANK REHABILITATIONS**  
**GREEN COUNTY, KENTUCKY**  
**BID DATE: APRIL 29, 2021 @ 11:00 A.M. LOCAL TIME**

ITEM NO.	DESCRIPTION	QUANTITY	G&L Tank Sandblasting & Coatings, LLC 2101 Highway 64 West Shelbyville, TN 37160		Currrens Construction Services, LLC P.O. Box 492 Harrodsburg, KY 40330		Huffman Tank & Tower, Inc. 210 Burkesville Road Albany, KY 42602	
			UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
	<b>BASE BID CONTRACT</b>							
	1.2H) Install a 42" tall handrail with a mid-rail around the tension ring at the top of the riser pipe. The handrail & mid-rail shall be constructed of 2-1/2" angle.		7,500.00		4,800.00		3,000.00	
	1.2I) Sweep blast clean & coat the exposed surfaces of the concrete leg and riser pipe foundations.		500.00		1,500.00		1,000.00	
	1.2J) Remove the corroded notched rail fall prevention bars from the exterior tank and leg ladders. Install new galvanized fall prevention cable & associated hardware on both ladders.		5,000.00		2,900.00		5,000.00	
	1.2K) Install new rubber gasket and stainless-steel bolts and washers and brass nuts for the riser pipe manway.		500.00		750.00		1,000.00	
	1.2L) Install antenna cable clips on the tank support leg adjacent to, but not connected to the leg ladder and to the tank shell and upper knuckle adjacent to, but not connected to the shell ladder extending to the roof. Relocate all antenna cables currently attached to ladders such that they are supported by the new cable clips.		7,500.00		3,700.00		5,000.00	
	1.2M) Fabricate & install tank piping modifications		20,000.00		13,500.00		30,000.00	
1.3	Exterior Coating System Spot Repairs & Complete Overcoat	1 LS	85,000.00	85,000.00	94,100.00	94,100.00	118,000.00	118,000.00
	<b>TOTAL BASE BID (Cont'd)</b>							

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			UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
	<b>BASE BID CONTRACT (Cont'd)</b>							
1.4	Complete Removal & Reapplication of Interior Coating Systems	1 LS	60,000.00	60,000.00	54,900.00	54,900.00	59,000.00	59,000.00
1.5	Cleaning/Disinfection/Sampling	1 LS	500.00	500.00	1,500.00	1,500.00	1,000.00	1,000.00
1.6	Application of Lettering/Logo	1 LS	2,500.00	2,500.00	3,500.00	3,500.00	5,000.00	5,000.00
1.7	Site Clean-up & Restoration	1 LS	3,200.00	3,200.00	3,000.00	3,000.00	3,000.00	3,000.00
	<b>PIERCE TANK SUBTOTAL</b>			<b>246,025.00</b>		<b>249,350.00</b>		<b>325,000.00</b>
	<b>TOTAL BASE BID</b>			<b>\$246,025.00</b>		<b>\$249,350.00</b>		<b>\$325,000.00</b>

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			UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
	<b>ALTERNATE NO. 1 BID</b>							
	<b>PIERCE TANK</b>							
A1.1	Complete Removal & Reapplication of Exterior Coating Systems	1 LS	113,000.00	113,000.00	134,700.00	134,700.00	200,000.00	200,000.00
	<b>TOTAL ALTERNATE NO. 1 BID</b>			<b>\$113,000.00</b>		<b>\$134,700.00</b>		<b>\$200,000.00</b>



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			UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
	<b>ALTERNATE NO. 2 BID (ADDITIVE)</b>							
	<b>PIKEVIEW TANK</b>							
A2.1	Containment & Protection	1 LS	\$40,000.00	\$40,000.00	\$28,000.00	\$28,000.00	\$65,000.00	\$65,000.00
A2.2	Miscellaneous Repairs & Modifications	1 LS	37,825.00	37,825.00	24,950.00	24,950.00	45,000.00	45,000.00
	A2.2A) Caulk between roof cap plate & finger panels with Sika Flex-1A (Est: 285 LF)		1,500.00		1,800.00		2,000.00	
	A2.2B) Grind flush all sharp edges, weld spatter, burrs, etc. (Estimated: 2 hours)		75.00		300.00		1,000.00	
	A2.2C) Fill sharp edged pits and pits 1/8" or shallower with a surfacing epoxy (Estimated: 20 SF)		500.00		200.00		4,000.00	
	A2.2D) Weld pits deeper than 3/16" (Estimated: 30 square inches)		750.00		600.00		1,000.00	
	A2.2E) Remove existing fall prevention devices from the interior tank ladder. Install a new stainless-steel fall prevention cable and associated hardware on the interior tank ladder.		7,500.00		2,750.00		7,000.00	
	A2.2F) Install removable stainless-steel chains across the opening in the balcony handrail at the top of the leg ladder.		250.00		500.00		2,000.00	
	A2.2G) Remove the existing 24" diameter steel roof vent cover. Fabricate and install an aluminum cover with a stainless-steel insect screen inside.		6,000.00		4,200.00		5,000.00	
	A2.2H) Remove the level indicator, target, float, and all connections, brackets, hardware, etc. Patch all holes in the tank by welding.		500.00		1,300.00		3,000.00	
	<b>ALTERNATE NO. 2 BID (ADDITIVE) (Cont'd)</b>							

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			UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
	<b>ALTERNATE NO. 2 BID (ADDITIVE) (Cont'd)</b>							
	A2.2I) Install a new 4" diameter schedule 80 PVC siphon pipe assembly.		3,000.00		3,100.00		3,000.00	
	A2.2J) Install a 42" tall handrail with a mid-rail around the tension ring at the top of the riser pipe. The handrail & mid-rail shall be constructed of 2-1/2" angle.		7,500.00		4,800.00		3,000.00	
	A2.2K) Replace the bolts at the top of the interior tank ladder with 3/4" stainless-steel bolts.		50.00		600.00		1,000.00	
	A2.2L) Patch hole in the fill pipe near the base of the riser pipe by welding.		500.00		450.00		1,000.00	
	A2.2M) Sweep blast clean & coat the exposed surfaces of the concrete leg and riser pipe foundations.		500.00		1,500.00		1,000.00	
	A2.2N) Install new rubber gasket and stainless-steel bolts and washers and brass nuts for the riser pipe manway.		500.00		750.00		1,000.00	
	A2.2O) Install an aluminum climb prevention shield at the base of the leg ladder.		1,200.00		2,100.00		5,000.00	
	A2.2P) Install antenna cable clips on the tank support leg adjacent to, but not connected to the leg ladder and to the tank shell and upper knuckle adjacent to, but not connected to the shell ladder extending to the roof. Relocate all antenna cables currently attached to ladders such that they are supported by the new cable clips.		7,500.00		3,700.00		5,000.00	
	<b>ALTERNATE NO. 2 BID (ADDITIVE) (Cont'd)</b>							

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**GREEN-TAYLOR WATER DISTRICT**  
**2019 WATER SYSTEM IMPROVEMENTS**  
**CONTRACT NO. 2 - WATER STORAGE TANK REHABILITATIONS**  
**GREEN COUNTY, KENTUCKY**  
**BID DATE: APRIL 29, 2021 @ 11:00 A.M. LOCAL TIME**

			G&L Tank Sandblasting & Coatings, LLC 2101 Highway 64 West Shelbyville, TN 37160		Currens Construction Services, LLC P.O. Box 492 Harrodsburg, KY 40330		Huffman Tank & Tower, Inc. 210 Burkesville Road Albany, KY 42602	
ITEM NO.	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
<b>ALTERNATE NO. 2 BID (ADDITIVE) (Cont'd)</b>								
A2.3	Exterior Coating System Spot Repairs & Complete Overcoat	1 LS	\$85,000.00	\$85,000.00	\$96,900.00	\$96,900.00	\$120,000.00	\$120,000.00
A2.4	Complete Removal & Reapplication of Interior Coating Systems.	1 LS	60,000.00	60,000.00	55,600.00	55,600.00	59,000.00	59,000.00
A2.5	Cleaning/Disinfection/Sampling	1 LS	500.00	500.00	1,500.00	1,500.00	1,000.00	1,000.00
A2.6	Application of Basic Lettering	1 LS	2,500.00	2,500.00	3,500.00	3,500.00	5,000.00	5,000.00
A2.7	Site Clean-up & Restoration	1 LS	3,200.00	3,200.00	3,000.00	3,000.00	1,000.00	1,000.00
<b>PIKEVIEW TANK SUBTOTAL</b>				<b>\$229,025.00</b>		<b>\$213,450.00</b>		<b>\$296,000.00</b>
<b>TOTAL ALTERNATE NO. 2 BID (ADDITIVE) BID</b>				<b>\$229,025.00</b>		<b>\$213,450.00</b>		<b>\$296,000.00</b>

			G&L Tank Sandblasting & Coatings, LLC 2101 Highway 64 West Shelbyville, TN 37160		Currens Construction Services, LLC P.O. Box 492 Harrodsburg, KY 40330		Huffman Tank & Tower, Inc. 210 Burkesville Road Albany, KY 42602	
ITEM NO.	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
<b>ALTERNATE NO. 3 BID</b>								
<b>PIKEVIEW TANK</b>								
A3.1	Complete Removal & Reapplication of Exterior Coating Systems	1 LS	115,000.00	115,000.00	176,700.00	176,700.00	200,000.00	200,000.00
<b>TOTAL ALTERNATE NO. 3 BID</b>				<b>\$115,000.00</b>		<b>\$176,700.00</b>		<b>\$200,000.00</b>

MONARCH ENGINEERING, INC.  
 556 Carlton Drive  
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**BID TABULATIONS**  
**GREEN-TAYLOR WATER DISTRICT**  
**2019 WATER SYSTEM IMPROVEMENTS**  
**CONTRACT NO. 2 - WATER STORAGE TANK REHABILITATIONS**  
**GREEN COUNTY, KENTUCKY**  
**BID DATE: APRIL 29, 2021 @ 11:00 A.M. LOCAL TIME**

Utility Service Co., Inc. P.O. Box 1350 Perry, GA 31069	Preferred Sandblasting & Painting, LLC + 107 Anthony Lane Shelbyville, TN 37160
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ITEM NO.	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
	<b>BASE BID CONTRACT</b>					
	<b>PIERCE TANK</b>					
1.1	Containment & Protection	1 LS	\$74,500.00	\$74,500.00	\$55,000.00	\$55,000.00
1.2	Miscellaneous Repairs & Modifications	1 LS	48,750.00	48,750.00	49,725.00	49,725.00
	1.2A) Caulk between roof cap plate & finger panels with Sika Flex-1A (Est: 285 LF)		2,850.00		1,425.00	
	1.2B) Grind flush all sharp edges, weld spatter, burrs, etc. (Estimated: 2 hours)		600.00		500.00	
	1.2C) Fill sharp edged pits and pits 1/8" or shallower with a surfacing epoxy (Estimated: 20 SF)		1,200.00		600.00	
	1.2D) Weld pits deeper than 3/16" (Estimated: 30 square inches)		1,200.00		300.00	
	1.2E) Remove dereriated interior tank ladder. Install new OSHA compliant ladder with S.S. fall prevention cable & associated hardware.		5,900.00		5,000.00	
	1.2F) Remove the level indicator, target, float, and all connections, brackets, hardware, etc. Patch all holes in the tank by welding.		600.00		500.00	
	1.2G) Remove existing steel siphon pipe assembly. Install a new 4" diameter schedule 80 PVC siphon pipe.		6,300.00		1,800.00	
	<b>TOTAL BASE BID (Cont'd)</b>					

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**CONTRACT NO. 2 - WATER STORAGE TANK REHABILITATIONS**  
**GREEN COUNTY, KENTUCKY**  
**BID DATE: APRIL 29, 2021 @ 11:00 A.M. LOCAL TIME**

ITEM NO.	DESCRIPTION	QUANTITY	Utility Service Co., Inc.		Preferred Sandblasting & Painting, LLC+	
			UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
	<b>BASE BID CONTRACT</b>					
	1.2H) Install a 42" tall handrail with a mid-rail around the tension ring at the top of the riser pipe. The handrail & mid-rail shall be constructed of 2-1/2" angle.		4,600.00		3,000.00	
	1.2I) Sweep blast clean & coat the exposed surfaces of the concrete leg and riser pipe foundations.		1,500.00		1,500.00	
	1.2J) Remove the corroded notched rail fall prevention bars from the exterior tank and leg ladders. Install new galvanized fall prevention cable & associated hardware on both ladders.		2,200.00		4,500.00	
	1.2K) Install new rubber gasket and stainless-steel bolts and washers and brass nuts for the riser pipe manway.		600.00		600.00	
	1.2L) Install antenna cable clips on the tank support leg adjacent to, but not connected to the leg ladder and to the tank shell and upper knuckle adjacent to, but not connected to the shell ladder extending to the roof. Relocate all antenna cables currently attached to ladders such that they are supported by the new cable clips.		6,100.00		4,500.00	
	1.2M) Fabricate & install tank piping modifications		15,100.00		25,500.00	
1.3	Exterior Coating System Spot Repairs & Complete Overcoat	1 LS	165,100.00	165,100.00	59,600.00	59,600.00
	<b>TOTAL BASE BID (Cont'd)</b>					

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**2019 WATER SYSTEM IMPROVEMENTS**  
**CONTRACT NO. 2 - WATER STORAGE TANK REHABILITATIONS**  
**GREEN COUNTY, KENTUCKY**  
**BID DATE: APRIL 29, 2021 @ 11:00 A.M. LOCAL TIME**

			Utility Service Co., Inc. P.O. Box 1350 Perry, GA 31069		Preferred Sandblasting & Painting, LLC+ 107 Anthony Lane Shelbyville, TN 37160	
ITEM NO.	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
	<b>BASE BID CONTRACT (Cont'd)</b>					
1.4	Complete Removal & Reapplication of Interior Coating Systems	1 LS	81,000.00	81,000.00	35,500.00	35,500.00
1.5	Cleaning/Disinfection/Sampling	1 LS	2,000.00	2,000.00	800.00	800.00
1.6	Application of Lettering/Logo	1 LS	3,700.00	3,700.00	3,000.00	3,000.00
1.7	Site Clean-up & Restoration	1 LS	2,400.00	2,400.00	2,500.00	2,500.00
	<b>PIERCE TANK SUBTOTAL</b>			<b>377,450.00</b>		<b>206,125.00</b>
	<b>TOTAL BASE BID</b>			<b>\$377,450.00</b>		<b>\$206,125.00</b>

			Utility Service Co., Inc. P.O. Box 1350 Perry, GA 31069		Preferred Sandblasting & Painting, LLC+ 107 Anthony Lane Shelbyville, TN 37160	
ITEM NO.	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
	<b>ALTERNATE NO. 1 BID</b>					
	<b>PIERCE TANK</b>					
A1.1	Complete Removal & Reapplication of Exterior Coating Systems	1 LS	171,600.00	171,600.00	90,000.00	90,000.00
	<b>TOTAL ALTERNATE NO. 1 BID</b>			<b>\$171,600.00</b>		<b>* \$90,000.00</b>

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**BID TABULATIONS**  
**GREEN-TAYLOR WATER DISTRICT**  
**2019 WATER SYSTEM IMPROVEMENTS**  
**CONTRACT NO. 2 - WATER STORAGE TANK REHABILITATIONS**  
**GREEN COUNTY, KENTUCKY**  
**BID DATE: APRIL 29, 2021 @ 11:00 A.M. LOCAL TIME**

ITEM NO.	DESCRIPTION	QUANTITY	Utility Service Co., Inc.		Preferred Sandblasting & Painting, LLC+	
			UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
	<b>ALTERNATE NO. 2 BID (ADDITIVE)</b>					
	<b>PIKEVIEW TANK</b>					
A2.1	Containment & Protection	1 LS	\$76,700.00	\$76,700.00	\$55,000.00	\$55,000.00
A2.2	Miscellaneous Repairs & Modifications	1 LS	37,350.00	37,350.00	22,125.00	22,125.00
	A2.2A) Caulk between roof cap plate & finger panels with Sika Flex-1A (Est: 285 LF)		2,850.00		1,425.00	
	A2.2B) Grind flush all sharp edges, weld spatter, burrs, etc. (Estimated: 2 hours)		600.00		500.00	
	A2.2C) Fill sharp edged pits and pits 1/8" or shallower with a surfacing epoxy (Estimated: 20 SF)		1,200.00		600.00	
	A2.2D) Weld pits deeper than 3/16" (Estimated: 30 square inches)		1,200.00		300.00	
	A2.2E) Remove existing fall prevention devices from the interior tank ladder. Install a new stainless-steel fall prevention cable and associated hardware on the interior tank ladder.		2,500.00		3,200.00	
	A2.2F) Install removable stainless-steel chains across the opening in the balcony handrail at the top of the leg ladder.		400.00		300.00	
	A2.2G) Remove the existing 24" diameter steel roof vent cover. Fabricate and install an aluminum cover with a stainless-steel insect screen inside.		4,900.00		3,200.00	
	A2.2H) Remove the level indicator, target, float, and all connections, brackets, hardware, etc. Patch all holes in the tank by welding.		600.00		500.00	
	<b>ALTERNATE NO. 2 BID (ADDITIVE) (Cont'd)</b>					

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Utility Service Co., Inc. P.O. Box 1350 Perry, GA 31069	Preferred Sandblasting & Painting, LLC+ 107 Anthony Lane Shelbyville, TN 37160
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ITEM NO.	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
	<b>ALTERNATE NO. 2 BID (ADDITIVE) (Cont'd)</b>					
	A2.2I) Install a new 4" diameter schedule 80 PVC siphon pipe assembly.		6,300.00		600.00	
	A2.2J) Install a 42" tall handrail with a mid-rail around the tension ring at the top of the riser pipe. The handrail & mid-rail shall be constructed of 2-1/2" angle.		5,000.00		3,000.00	
	A2.2K) Replace the bolts at the top of the interior tank ladder with 3/4" stainless-steel bolts.		200.00		300.00	
	A2.2L) Patch hole in the fill pipe near the base of the riser pipe by welding.		2,400.00		100.00	
	A2.2M) Sweep blast clean & coat the exposed surfaces of the concrete leg and riser pipe foundations.		1,700.00		1,500.00	
	A2.2N) Install new rubber gasket and stainless-steel bolts and washers and brass nuts for the riser pipe manway.		200.00		600.00	
	A2.2O) Install an aluminum climb prevention shield at the base of the leg ladder.		1,200.00		1,500.00	
	A2.2P) Install antenna cable clips on the tank support leg adjacent to, but not connected to the leg ladder and to the tank shell and upper knuckle adjacent to, but not connected to the shell ladder extending to the roof. Relocate all antenna cables currently attached to ladders such that they are supported by the new cable clips.		6,100.00		4,500.00	
	<b>ALTERNATE NO. 2 BID (ADDITIVE) (Cont'd)</b>					



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**GREEN COUNTY, KENTUCKY**  
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			Utility Service Co., Inc.		Preferred Sandblasting & Painting, LLC+	
			P.O. Box 1350 Perry, GA 31069		107 Anthony Lane Shelbyville, TN 37160	
ITEM NO.	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
<b>ALTERNATE NO. 2 BID (ADDITIVE) (Cont'd)</b>						
A2.3	Exterior Coating System Spot Repairs & Complete Overcoat	1 LS	\$156,400.00	\$156,400.00	\$59,600.00	\$59,600.00
A2.4	Complete Removal & Reapplication of Interior Coating Systems.	1 LS	75,100.00	75,100.00	35,500.00	35,500.00
A2.5	Cleaning/Disinfection/Sampling	1 LS	2,000.00	2,000.00	800.00	800.00
A2.6	Application of Basic Lettering	1 LS	3,100.00	3,100.00	3,000.00	3,000.00
A2.7	Site Clean-up & Restoration	1 LS	2,400.00	2,400.00	2,500.00	2,500.00
<b>PIKEVIEW TANK SUBTOTAL</b>				<b>353,050.00</b>		<b>178,525.00</b>
<b>TOTAL ALTERNATE NO. 2 BID (ADDITIVE) BID</b>				<b>353,050.00</b>		<b>\$178,525.00</b>

			Utility Service Co., Inc.		Preferred Sandblasting & Painting, LLC+	
			P.O. Box 1350 Perry, GA 31069		107 Anthony Lane Shelbyville, TN 37160	
ITEM NO.	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
<b>ALTERNATE NO. 3 BID</b>						
<b>PIKEVIEW TANK</b>						
A3.1	Complete Removal & Reapplication of Exterior Coating Systems	1 LS	162,400.00	162,400.00	93,000.00	93,000.00
<b>TOTAL ALTERNATE NO. 3 BID</b>				<b>\$162,400.00</b>		<b>\$93,000.00</b>

**FINAL PROJECT BUDGET**  
**GREEN-TAYLOR WATER DISTRICT**  
**2019 WATER SYSTEM IMPROVEMENTS PROJECT**  
**MAY 2020**

***OPTION NO. 1***

**PROJECT COSTS**

CONSTRUCTION

CONTRACT NO. 1 - PUMP STATION REHABS & PIERCE TANK PIPING \$398,400

CONTRACT NO. 2 - PIERCE TANK REHABILITATION (INTERIOR WORK ONLY) \$108,525

TOTAL CONSTRUCTION \$506,925

CONTINGENCY \$50,755

SCADA EQUIPMENT INTERGRATION \$5,000

ENGINEERING DESIGN \$52,010

CONSTRUCTION INSPECTION \$37,310

LEGAL & ADMINISTRATION \$5,000

**TOTAL PROJECT COSTS \$657,000**

**PROJECT FUNDING**

KIA FUND F (DWSRF) LOAN F19-018 \$564,600

GREEN-TAYLOR WATER DISTRICT \$92,400

**TOTAL PROJECT FUNDING \$657,000**

**FINAL PROJECT BUDGET**  
**GREEN-TAYLOR WATER DISTRICT**  
**2019 WATER SYSTEM IMPROVEMENTS PROJECT**  
**MAY 2020**

***OPTION NO. 2***

**PROJECT COSTS**

CONSTRUCTION

CONTRACT NO. 1 - PUMP STATION REHABS & PIERCE TANK PIPING \$398,400

CONTRACT NO. 2 - PIERCE TANK REHABILITATION \$246,025

TOTAL CONSTRUCTION \$644,425

CONTINGENCY \$63,985

SCADA EQUIPMENT INTERGRATION \$5,000

ENGINEERING DESIGN \$61,930

CONSTRUCTION INSPECTION \$42,660

LEGAL & ADMINISTRATION \$5,000

**TOTAL PROJECT COSTS** **\$823,000**

**PROJECT FUNDING**

KIA FUND F (DWSRF) LOAN F19-018 \$564,600

GREEN-TAYLOR WATER DISTRICT \$258,400

**TOTAL PROJECT FUNDING** **\$823,000**