



Board of Aldermen Request for Action

MEETING DATE: 4/1/2025

DEPARTMENT: Public Works

AGENDA ITEM: Resolution 1461, Approving Amendment No. 1 to Authorization No. 99 with HDR for engineering services for the Water Treatment Plant Improvements project.

REQUESTED BOARD ACTION:

A motion to approve Resolution 1461, approving Amendment No. 1 to Authorization No. 99 with HDR for engineering services for the Water Treatment Plant Improvements.

SUMMARY:

The City approved Authorization No. 99 with HDR for engineering services for the water treatment plant improvement project April 3, 2023.

The bid for RFP 24-01, water treatment plant improvement project was awarded to Ross Construction on March 5, 2024.

The Water Treatment plant was constructed at the Helvey Drive location in 1968, with a plant capacity of 0.5 MGD. The plant was expanded in 1993 adding three filters and increasing the capacity to what we have today of 2.5 MGD.

This is a rehabilitation and improvement project. Equipment and material deliveries have extended the project timeline.

The amendment includes engineering services for additional construction management services to review contractor submittals, pay applications and site visits that have been necessary.

The work at the plant includes:

1. Replacement of existing pneumatic valve actuators with electric valve actuators within the filter pipe gallery.
2. Replacement of influent mud valves for Filters No. 1 and No. 4.
3. Removal and replacement of existing filter media within Filter No. 1 through 5.
4. Replacement of Filter No. 3 underdrain.
5. Demolition of the bubbler system and installation of new level switch at the Transfer Pump Wet Well.
6. Replacement of turbidimeter taps within the Filter Gallery.
7. Replacement of the existing Lime and Powder Activated Carbon (PAC) chemical feed

equipment and dust collection systems.

8. Relocation of select pipe supports and replace of select U-Bolts associated with the Submerged Launder Pipe for Secondary Clarifier No. 2.
9. Replacement of doors at the PAC and Chlorine dioxide rooms.
10. Associated Demolition, Structural, Architectural, and Electrical.
11. Replacement of valves within filter pipe gallery.
12. Preparation and re-coating of all exposed process piping, valves, fittings, and nuts and bolts in filter pipe gallery and transfer pump rooms.

Start up for the new carbon and lime feeder systems is planned for March 27th. Filter media replacement is expected to take place in the spring and early summer.

PREVIOUS ACTION:

The City approved Authorization No. 99 with HDR for engineering services for the water treatment plant improvement project April 3, 2023.

The bid for RFP 24-01, water treatment plant improvement project was awarded to Ross Construction on March 5, 2024.

POLICY ISSUE:

Maintaining infrastructure / providing safe drinking water.

FINANCIAL CONSIDERATIONS:

Funds are available in the 2025 CWWS operating budget for this expense.

ATTACHMENTS:

- | | |
|--|-----------------------------------|
| <input type="checkbox"/> Ordinance | <input type="checkbox"/> Contract |
| <input checked="" type="checkbox"/> Resolution | <input type="checkbox"/> Plans |
| <input type="checkbox"/> Staff Report | <input type="checkbox"/> Minutes |
| <input checked="" type="checkbox"/> Other: Amendment 1 | |

RESOLUTION 1461

**A RESOLUTION APPROVING AMENDMENT NO. 1 TO AUTHORIZATION NO. 99
WITH HDR FOR ENGINEERING SERVICES FOR THE WATER TREATMENT
PLANT IMPROVEMENTS**

WHEREAS, the City approved Authorization No. 99 with HDR for engineering services for the water treatment plant improvement project April 3, 2023; and

WHEREAS, the bid for RFP 24-01, water treatment plant improvement project was awarded to Ross Construction on March 5, 2024; and

WHEREAS, HDR has provided Amendment No. 1 to Authorization No. 99 for additional construction phase services necessary for the completion of the project in an amount of \$36,240.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF ALDERMEN OF THE CITY OF SMITHVILLE, MISSOURI:

THAT Amendment No. 1 to Authorization No. 99 for additional construction phase services with HDR in an amount of \$36,240 is approved.

PASSED AND ADOPTED by the Board of Aldermen and **APPROVED** by the Mayor of the City of Smithville, Missouri, this 1st day of April, 2025.

Damien Boley, Mayor

ATTEST:

Linda Drummond, City Clerk



City of Smithville, Missouri
Water Treatment Plant
Residuals Removal, Berm Repair, and Plant Improvements 2023
Amendment 1 - Scope of Services
March 2025

OVERVIEW

This amendment modifies the agreement dated March 2023, made between the City of Smithville and HDR Inc. for the Water Treatment Plant Residual Removal, Berm Repair, and Plant Improvements Project. This scope of work is being modified to extend Project Management and WTP Improvements Construction Phase Services through July of 2025 as further detailed below.

Task 1 – Additional Project Management

1. Project Management activities including schedule/budget control, invoice management, and Quality Control.
 - a. This is an extension from the originally scoped overall 16-month duration (May 2023 - August 2024) through the new anticipated scheduled construction completion date of July 2025.

Task 7 – Additional Construction Services – WTP Improvements

1. Review up to twenty-seven (27) additional Contactor submittals.
2. Answer and/or issue up to four (4) additional RFIs, Field Orders, or Work Change Directives.
3. Review up to two (2) additional Contractor’s Application for Payment and provide recommendation for payment to City.
4. Perform up to two (2) additional site visits at key milestones during the Project.
 - a. PM, Process Engineer, Electrical, Structural, and Process EIT will attend the two (2) milestone visits.

SCHEDULE - WTP Improvements

Task 7: WTP Improvements - Construction Services:

- Original Schedule - January 2024 through August 2024
- Schedule Extension – Through July 2025

DELIVERABLES - WTP Improvements

Monthly Invoicing and Project Management
Review Documents for Contractor Submittals



City of Smithville, MO
 WTP Improvement and Residuals Removal and Berm Repair
 Scope and Fee Estimate - January 2025

Staff		Saffels, Ryan D	Patrick, Derek Austin	Bachynska, Yelyzaveta	Wiseman, David L	McCann, Victoria Ann (Tori)	Boyd, Thomas K III	Steel, John	Scott, Denise Michelle	DeCou, Chekotah Jean	Wager, Tycen Mitchell		
	Staff Name	Saffels, R	Patrick, D	Bachynska, Y	Wiseman, D	McCann, V	Boyd, T	Steel, J	Scott, D	DeCou, C	Wager, T		Total
	Rate Schedule Code	Principal Project Manager/Senior Technical Specialist II	Engineer/Architect/Designer V	Engineer/Architect/Designer II	Technical Specialist/Senior Project Manager III	Engineer/Architect/Designer III	Engineer/Architect/Designer VI	Engineer/Architect/Designer II	Engineering Support Staff IV	Engineering Support Staff I	Engineer/Architect/Designer I	Total HDR Hours	
	Project Role												
TASKS													
1	Task 1 - Additional Project Management Services												
1	Additional five (5) Months, through July of 2025, for Project Management including Monthly Invoicing and QC	5	10						5	5	5	30	\$5,850
	Subtotal Hours	5	10	0	0	0	0	0	5	5	5	30	
	Total Task 1												\$5,850
G.	Task 7 - Additional Construction Services - WTP Improvements												
1	Review up to thirty (30) additional Contractor Submittals		30			30	30					90	\$16,650
2	Address up to four (4) additional RFIs, Issue Field Orders, or Work Change Directives	8	8			4	4					24	\$5,980
3	Review two (2) additional Contractor's application for payment		2	2								4	\$660
4	Additional Engineer site visits at key project milestones (2 total)	8	8	8		4	4					32	\$7,100
	Subtotal Hours	16	48	10	0	38	38	0	0	0	0	150	
	Total Task 7												\$30,390
	Total Hours	21	58	10	0	38	38	0	5	5	5	180	180