



## MEMORANDUM



**TO:** Carl E. Geffken, City Administrator  
**CC:** Jeff Dingman, Deputy City Administrator  
**FROM:** Lance A. McAvoy, Director of Water Utilities  
**DATE:** March 22, 2023  
**SUBJECT:** Sub-Basin S004 Sewer Main Realignment, Rogers Avenue-Waldron to 56th Street

### SUMMARY

On August 16, 2022, the Board of Directors approved the bid of Forsgren, Inc., in the amount of \$1,078,140.00 (R-128-22). The scope of this project included the realignment of a sanitary sewer main long Rogers Avenue, located between Waldron Road and South 56<sup>th</sup> Street. The main needed to be replaced to increase capacity to mitigate a Recurring Sanitary Sewer Overflow, which had overflowed 10 times in the past three years. A project summary sheet and presentation are attached for your review.

This Project was completed 3.4% below the original contract amount, and completed 16 days less than required for Final Completion (adjusted for days allowed for weather related delays).

A Resolution accepting the project as complete and authorizing final payment to Forsgren, Inc., of \$137,193.68, for a total contract amount \$1,041,200.82, is attached. The funding for this project is available through the 2022 6505 CIP.

Please contact me should you or members of the Board have any questions or desire additional information.

### ATTACHMENTS

1. [4-4-2023\\_Item\\_8\\_Resolution \(1\).pdf](#)
2. [Project Summary 20-18-C1.pdf](#)
3. [20-18-C1 Presentation - Portrait.pdf](#)

**FISCAL IMPACT:** \$137,193.68  
**BUDGET INFORMATION:** Water Utilities - 6505 Capital Improvement Funds

RESOLUTION NO. \_\_\_\_\_

RESOLUTION ACCEPTING THE PROJECT AS COMPLETE AND AUTHORIZING FINAL PAYMENT TO FORSGREN, INC., FOR THE SUB-BASIN S004 SEWER MAIN REALIGNMENT, ROGERS AVE. - WALDRON TO 56TH ST

BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE CITY OF FORT SMITH, ARKANSAS, that:

SECTION 1: The construction of Sub-Basin S004 Sewer Main Realignment, Rogers Ave. - Waldron to 56th St, Project 20-18-C1, is hereby accepted as complete.

SECTION 2: The Mayor, his signature being attested by the City Clerk, approves final payment to Forsgren, Inc., in the amount of \$137,193.68, for a total contract amount of \$1,041,200.82.

This Resolution adopted this \_\_\_\_\_ day of April 2023.

APPROVED:

\_\_\_\_\_

Mayor

ATTEST:

\_\_\_\_\_  
City Clerk

APPROVED AS TO FORM:



\_\_\_\_\_ npr

### Project Summary

<b>Project Name:</b> Sub-Basin S004 Sewer Main Realignment, Rogers Ave. - Waldron to 56th St	<b>Project Status:</b> Complete
<b>Project Number:</b> 20-18-C1	<b>Today's Date:</b> April 4, 2023
<b>Project Engineer:</b> Richard Hamrick	<b>Staff Contact Name:</b> Lance McAvoy
<b>Project Contractor:</b> Forsgren, Inc.	<b>Staff Contact Phone:</b> (479) 494-3908

**Notice to Proceed Issued:**  
10/24/2022

Contact Breakdown		
	Dollar Amount	Contract Time (Days)
Original Contract Amount:	\$1,078,140.00	120
Change Order(#1):		
Change Order(#2):		
Total Change Orders:	\$0.00	0
<b>Adjusted Contract:</b>	<b>\$1,078,140.00</b>	<b>120</b>

Contract Payment Breakdown		
	Dollar Amount	
Adjusted Contract Amount	\$1,078,140.00	
Previous Payments	\$904,007.14	
Final Payment Amount:	\$137,193.68	
<b>Contract Balance Remaining</b>	<b>\$36,939.18</b>	<b>3.43%</b>

Final Payment Breakdown	
Total Work Installed This Payment	\$89,614.36
Retainage Released With This Payment	\$47,579.32
Liquidated Damages	\$0.00
<b>Final Payment Amount</b>	<b>\$137,193.68</b>

Final Comments:  
Project complete, 3.4% below contract amount and 16 days less than required for Final Completion (adjusted for weather related delays).

**Sub-Basin S004 Sewer Main Realignment, Rogers Ave.  
- Waldron to 56th St.  
Project No. 20-18-C1**

- Project Cost & Schedule:
  - Construction Contract Amount: \$1,078,140.00
  - Actual Construction Spend: \$1,041,200.82
    - Completed 3.4% Under Original Construction Contract Amount
  - Notice To Proceed: October 24, 2022
  - Final Completion Date Allowed By Contract: March 20, 2023,
  - Actual Substantial Completion Date: March 03, 2023
- Scope of Work:
  - Realignment of a sanitary sewer main long Rogers Avenue, located between Waldron Road and South 56th Street.
- Project Information:
  - Design Engineer – Hawkins-Weir Engineers, Inc. (\$54,900.00)
  - Construction Contractor – Forsgren, Inc.
  - Inspection Services – In-House, Assisted by Hawkins-Weir Engineers, Inc. (\$44,450.00)

**Sub-Basin S004 Sewer Main Realignment, Rogers Ave.  
- Waldron to 56th St.  
Project No. 20-18-C1**

- Project Details:
  - The main needed to be replaced to increase capacity to mitigate a Recurring Sanitary Sewer Overflow, which had overflowed 10 times in the past three years, and to relocate it outside of Rogers Avenue (Arkansas State Highway 22) to improve access for maintenance.
  - Replaced 10-inch and 12-inch diameter pipe with 18-inch diameter pipe.
  - Construction methods included Horizontal Directional Drilling and open cut trenching.
  - Horizontal Directional Drilling reduced disruption of area businesses that would have been caused by open cut construction.

**Sub-Basin S004 Sewer Main Realignment, Rogers Ave.  
- Waldron to 56th St.  
Project No. 20-18-C1**



Horizontal Directional Drilling Pilot Hole

**Sub-Basin S004 Sewer Main Realignment, Rogers Ave.  
- Waldron to 56th St.  
Project No. 20-18-C1**



Horizontal Directional Drilling – Drill Head For 18-Inch Bore

**Sub-Basin S004 Sewer Main Realignment, Rogers Ave.  
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Project No. 20-18-C1**



Horizontal Directional Drilling – 18-Inch Pipe Being Pulled Into Bore Hole



**Sub-Basin S004 Sewer Main Realignment, Rogers Ave.  
- Waldron to 56th St.  
Project No. 20-18-C1**



Installing 18-Inch PVC Pipe In Trench

**Sub-Basin S004 Sewer Main Realignment, Rogers Ave.  
- Waldron to 56th St.  
Project No. 20-18-C1**



Installing Manhole At Rogers Ave. and 56<sup>th</sup> Street

**Sub-Basin S004 Sewer Main Realignment, Rogers Ave.  
- Waldron to 56th St.  
Project No. 20-18-C1**



Surface Restoration At Rogers Ave. and 56<sup>th</sup> Street