

RESOLUTION NO. _____

RESOLUTION ACCEPTING THE PROJECT AS COMPLETE AND AUTHORIZING FINAL PAYMENT TO FORSGREN, INC., FOR THE 2015 SANITARY SEWER ASSESSMENT REMEDIAL MEASURES, PHASE C, SUB-BASIN FL01

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

SECTION 1: The construction of the 2015 Sanitary Sewer Assessment Remedial Measures, Phase C, Sub-Basin FL01, Project Number 16-12-C1, is accepted as complete.

SECTION 2: Final payment to Forsgren, Inc., in the amount of \$119,746.52, is hereby approved.

This Resolution adopted this _____ day of August 2018.

APPROVED:

Mayor

ATTEST:

City Clerk

APPROVED AS TO FORM:




_____ npr



INTER-OFFICE MEMO

TO: Carl Geffken, City Administrator

DATE: July 30, 2018

FROM: Jerry Walters, Utility Director 

SUBJECT: 2015 SSA Remedial Measures, Phase C, Sub-Basin FL01
Project Number 16-12-C1

On March 7, 2017, the Board of Directors approved the bid of Forsgren, Inc., of \$2,994,307.80 for the 2015 Sanitary Sewer Assessment Remedial Measures, Phase C, Sub-Basin FL01 project. The scope of this project included the replacement approximately 23,800 linear feet of sewer main ranging in size from six to twenty four inches in diameter, associated manholes, and other appurtenances. The project was designed to reduce infiltration and inflow to the sanitary sewer system by upgrading the quality of existing lines and manholes.

On December 5, 2017, the Board of Directors approved a Change Order to the project, in the amount of \$693,316.50, adding approximately 3,644 linear feet of six inch sewer main to be replaced with 8-inch sewer main by the pipe burst method. This increased the total amount of the project to \$3,687,624.30.

This resolution represents the final payment for this contract. The Utility Department is requesting a final payment and release of retainage. The project has been completed on time, and \$301,724.10 under the original contract amount of \$3,687,624.30.

Should you or members of the Board have any questions or desire additional information, please let me know.

attachment

pc: Jeff Dingman

Project Summary

Project Name:
2015 SSA Remedial Measures, Phase C, Sub-Basin FL01

Project Number:
16-12-C1

Project Engineer:
Richard Hamrick

Project Contractor:
Forsgren, Inc.

Notice to Proceed Issued:
3/20/2017

Project Status:
Complete

Today's Date:
8/7/2018

Staff Contact Name:
Jerry Walters

Staff Contact Phone:
479-784-2273

	Dollar Amount	Contract Time (Days)
Original Contract Amount:	\$2,994,307.80	365
Change Order(s):	\$693,316.50	100
Adjusted Contract:	<u>\$3,687,624.30</u>	<u>465</u>
Payments to date (as negative):	-\$3,266,153.68	88.57% of Contract
Amount of this Payment (as negative):	-\$119,746.52	3.25% of Contract
Retainage Held	\$0.00	
Contract Balance Remaining	\$301,724.10	
Amount Under as a Percentage	8%	

Final Comments:

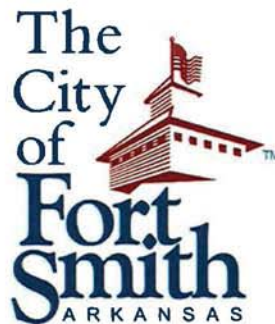
A Few Reasons For The Project Coming In Under Budget:

- Some service lines were found that did not need to be replaced.
- Quantity of slurry needed was less than estimated.
- Less area than estimated required sod.
- Concrete driveway and sidewalk repairs were less than estimated.
- Some fences and gates were not required to be removed and replaced.

The experience of the contractor, and the quality of construction, resulted in less restoration work being needed estimated.

2015 SSA Remedial Measures, Phase C, Sub-Basin FL01 Project No. 16-12-C1

- Consent Decree Sanitary Sewer Remedial Measures Project
 - Contract Amount: \$3,687,624.30
 - Actual Spend: \$3,385,900.20
 - Notice To Proceed: March 20, 2017
 - Substantial Completion Date: July 03, 2018
 - CD Deadline: December 31, 2019
- Completed project on-time and under budget
- Coordinated with Engineering Department on street overlays



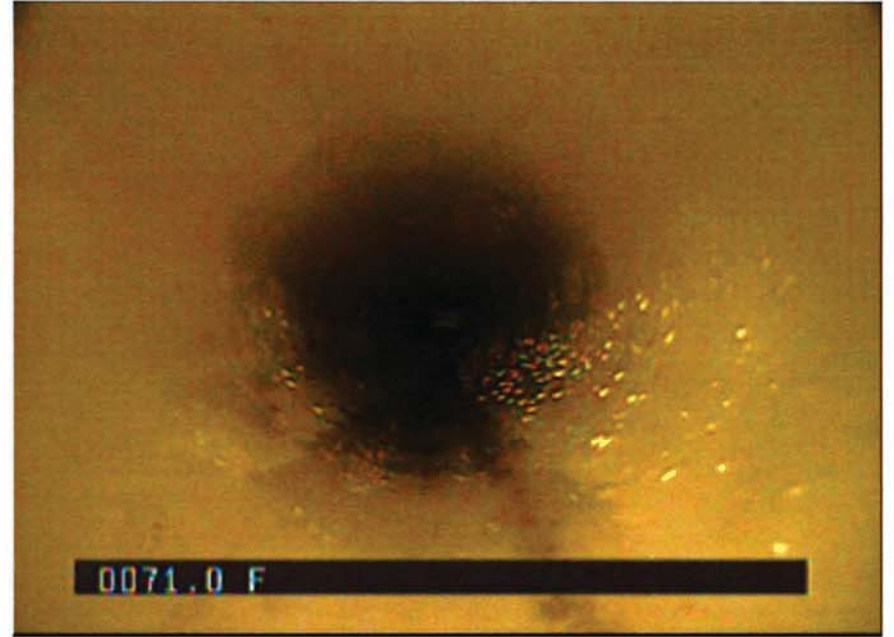
2015 SSA Remedial Measures, Phase C, Sub-Basin FL01 Project No. 16-12-C1

Pipe Segment Replacement

Before



After



2015 SSA Remedial Measures, Phase C, Sub-Basin FL01 Project No. 16-12-C1

Open Cut Pipe Replacement

During Construction



After



2015 SSA Remedial Measures, Phase C, Sub-Basin FL01 Project No. 16-12-C1

Replace Manhole FL01-0190

Before



After



2015 SSA Remedial Measures, Phase C, Sub-Basin FL01 Project No. 16-12-C1

Install Lining In A Brick Manhole

Before



After



**Manhole
FL01-0210**

2015 SSA Remedial Measures, Phase C, Sub-Basin FL01 Project No. 16-12-C1

Street Overlay After Sanitary Sewer Main Replacement



2015 SSA Remedial Measures, Phase C, Sub-Basin FL01 Project No. 16-12-C1

Manhole Replacement



Service Line Replacement



2015 SSA Remedial Measures, Phase C, Sub-Basin FL01 Project No. 16-12-C1

Pipe Bursting

Fusing Pipe



Entrance Pit



Pulling Wench



Comprehensive Plan Goal Supported By Wastewater Projects

- Ensure adequate, well-maintained infrastructure, public safety, and public facilities for all development and prevent development ahead of infrastructure and service provision. (FLU-1.4)
- Continue to ensure that customers within Fort Smith have access to reliable water, sewer, drainage, solid waste services by reducing or eliminating deficiencies and gaps in infrastructure systems (TI-5.1)
- Implement an infrastructure Asset Management Program as a tool for management of the utility department's water and sewer systems and to track, manage, and schedule necessary facility upgrades and improvements. (TI-5.1.1)
- Ensure that utility and infrastructure systems can meet the city's long-term needs. (TI-5.2)
- Coordinate land use planning and capital programming to ensure infrastructure improvements and extensions are phased to support the future land use pattern. (TI-5.2.1)
- Adopt criteria for prioritizing funding to infrastructure-related capital improvement projects. (TI-5.2.4)
- Provide new facilities in a manner that protects investments in existing facilities and promotes orderly growth. (PFS-4.2)