

RESOLUTION NO. _____

RESOLUTION ACCEPTING THE PROJECT AS COMPLETE AND AUTHORIZING FINAL PAYMENT TO MATLOCK ELECTRIC CO., INC., FOR THE REDUNDANT ELECTRICAL SERVICE, MASSARD WASTEWATER TREATMENT PLANT

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

SECTION 1: The construction of the Redundant Electrical Service, Massard Wastewater Treatment Plant project, Project Number 14-09-C1, is accepted as complete.

SECTION 2: Final payment to Matlock Electric Co., Inc., in the amount of \$26,168.80, is hereby approved.

This Resolution adopted this _____ day of September 2018.

APPROVED:

Mayor

ATTEST:

City Clerk

APPROVED AS TO FORM:



npr



INTER-OFFICE MEMO

TO: Carl Geffken, City Administrator

DATE: August 28, 2018

FROM: Jerry Walters, Utility Director

SUBJECT: Redundant Electrical Service, Massard Wastewater Treatment Plant
Project Number 14-09-C1

On December 06, 2016, the Board of Directors approved the bid of Matlock Electric Co., Inc. of \$448,500.00 for the Redundant Electrical Service, Massard Wastewater Treatment Plant project. The scope of this project included adding one manual transfer switch and two sets of automatic transfer switchgear to allow the plant to operate from two separate electrical power feeds. The Project was designed to provide a redundant power source for the operation of the wastewater plant.

On October 03, 2017, the Board of Directors approved a no cost Change Order to the project adding 35 days to the contract for substantial completion. This was due to delayed shipment of equipment from the supplier of the automatic transfer switchgear.

Attached is a resolution accepting the Project as complete and authorizing final payment. Substantial completion of the project was delayed 20 days, of which 10 days was outside of control by the contractor. This resulted in liquidated damages of \$5,000.00. The adjusted contract price, deducting the liquidated damages, is \$443,500.00. Final payment is \$26,168.80. Funds are available through the 2015 RevenueBonds.

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:
 Redudant Electrical Service
 Massard Wastewater Treatment Plant

Project Status:
 Complete

Project Number:
 14-09-C1

Today's Date:
 09/04/2018

Project Engineer:
 Richard Hamrick

Staff Contact Name:
 Jerry Walters

Project Contractor:
 Matlock Electric Co., Inc.

Staff Contact Phone:
 479-784-2401

Notice to Proceed Issued:
 02/13/2017

	Dollar Amount	Contract Time (Days)
Original Contract Amount:	\$448,500.00	240
Change Order(s):	\$0.00	35
Total Change Orders:	\$0.00	35
Adjusted Contract:	\$448,500.00	275
Payments to date (as negative):	-\$417,331.20	93.05% of Contract
Amount of this Payment (as negative):	-\$26,168.80	5.83% of Contract
Retainage Held	\$0.00	
Liquidated Damages	-\$5,000.00	
Contract Balance Remaining	\$0.00	
Amount Under as a Percentage	0%	

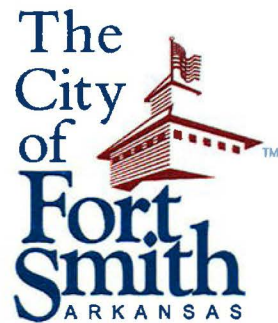
Final Comments:

The contractor preformed well on this project. However, the substantial completion date was missed by 20 days, of which 10 days were outside of the contractor's control. The final completion date was missed by 88 days, which were outside of the contractor's control. Liquidated Damages were assessed at \$500 per day for 10 days.



**Redundant Electrical Service
Massard Wastewater Treatment Plant**

Project Number 14-09-C1






Redundant Electrical Service Massard Wastewater Treatment Plant Project Number 14-09-C1

Consent Decree Waste Collection Treatment System Pump Station Project

This project was developed to support the Consent Decree requirement to provide a backup power source for lift stations. Previous to this project, OG&E ran a 34,500V underground service to the plant to supplement the existing 12,470V overhead service, and installed transformers for the new service. Each of these services were run from different OG&E substations. This project added one manual transfer switch and two sets of automatic transfer switchgear to the plant electrical distribution system. If the primary power source is interrupted, the plant may now stay in operation by power being fed from the second power source. Switching between the two power sources is done automatically at the two sets of automatic transfer switchgear.

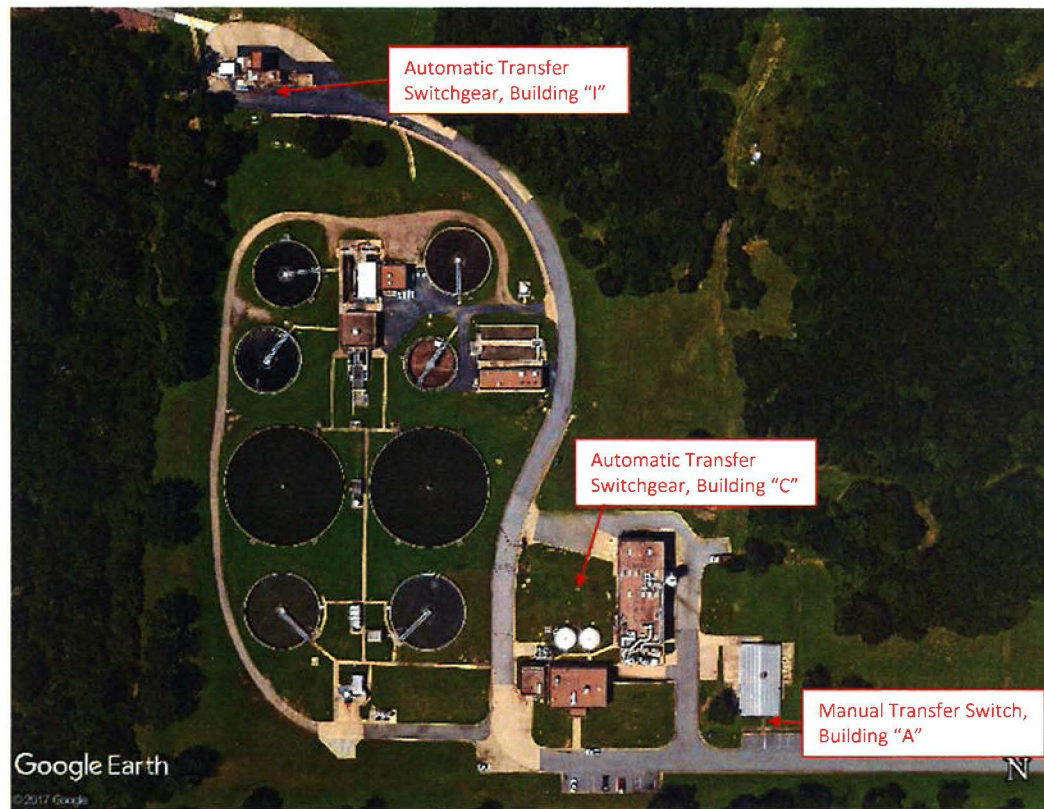


Redundant Electrical Service Massard Wastewater Treatment Plant Project Number 14-09-C1

Basic Project Information

- Design Engineer: CDM Smith
- Contractor: Matlock Electric Co., Inc.
- Construction Contract Amount: \$448,500.00
- Actual Construction Spend: \$443,500.00
- Notice To Proceed: February 13, 2017
- Substantial Completion Date: December 05, 2017
- CD Deadline: December 31, 2018

Redundant Electrical Service Massard Wastewater Treatment Plant Project Number 14-09-C1



Redundant Electrical Service Massard Wastewater Treatment Plant Project Number 14-09-C1

During Construction



Building C – Conduit Runs



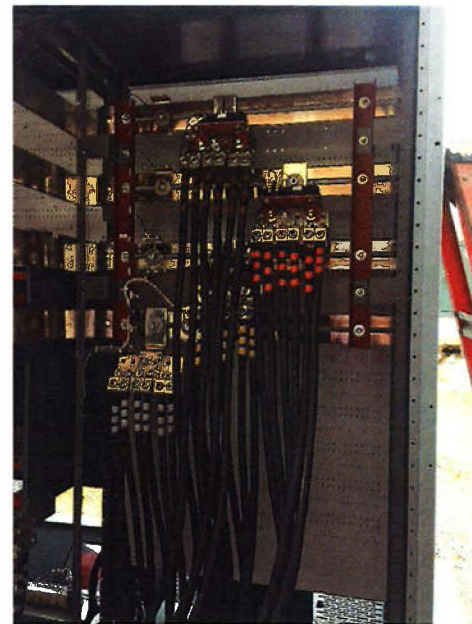
Building C – Equipment Pad

Redundant Electrical Service Massard Wastewater Treatment Plant Project Number 14-09-C1

During Construction



Building I – Junction Box



Building I – Power Cables

Redundant Electrical Service Massard Wastewater Treatment Plant Project Number 14-09-C1

Building "A" – Manual Transfer Switch



Manual Transfer Switch



Meters

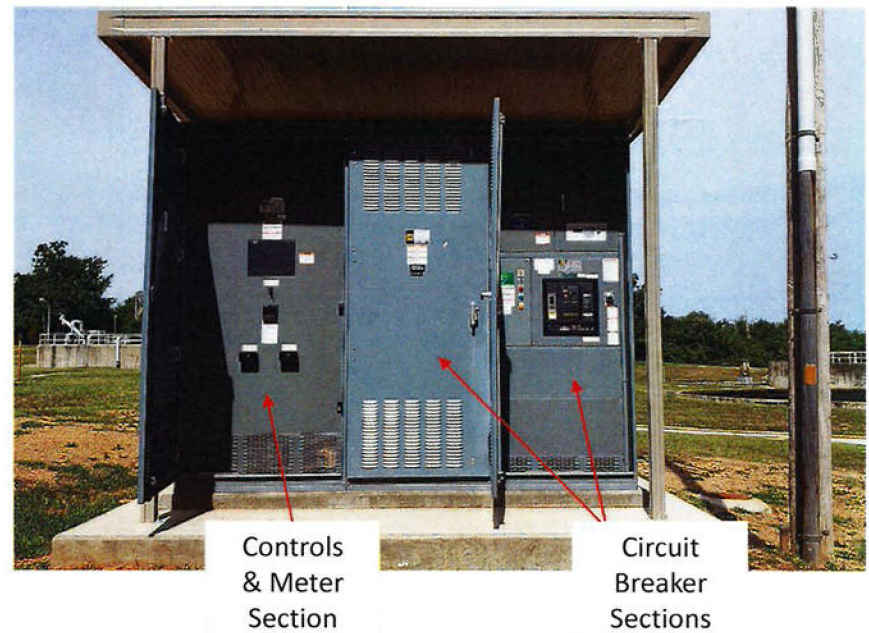
Existing OG&E Transformer

New OG&E Transformer

New OG&E 34,500V Underground Service Entrance Point

Redundant Electrical Service Massard Wastewater Treatment Plant Project Number 14-09-C1

Building "C" – Automatic Transfer Switchgear



Redundant Electrical Service Massard Wastewater Treatment Plant Project Number 14-09-C1

Building "I" – Automatic Transfer Switchgear



Existing OG&E Transformer

New OG&E Transformer

Automatic Transfer Switchgear



Controls & Meter Section

Circuit Breaker Sections

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)