

Report to Council of Non-Bid Public Works Construction Project Completed Using City Staff

Project: Worthington-Rosemary Intersection Water Main Connection
MUNIS Project No. 86009 / SL WO: 1-1860-12

Date: 11/16/2018

Agency: Water Utility

Final Cost: \$15,927.20

Background

In order to close a gap between areas of the water distribution system on the east side of Madison, Madison Water Utility crews installed approximately 60 feet of new water main at the intersection of Worthington Avenue and Rosemary Avenue. This project allowed for the hydraulic connection of two dead-end water mains in the former Waunona Sanitary District No. 2 that Madison Water recently acquired. This connection improves water quality, increases redundancy and lessens the number of customer service outages during maintenance or emergency repairs.

The water main connection was completed in July 2018, along with a temporary street patch. The project was completed in September 2018 with installation of the permanent asphalt trench patch.

This report is intended to inform the Mayor and Common Council and to satisfy the requirements of Wisconsin Statute 62.15(14).

Scope of Work

The project required five MWU crew members working for approximately four days to perform the following scope of work:

- Mobilization of equipment and materials
- Set up and maintenance of traffic controls
- Excavation of trench for placement of new water main
- Installation 60 feet of new 6-inch water main, including valves and fittings
- Removal and hauling of material off-site
- Transportation and backfill of imported select fill
- Installation of a temporary road patch
- Flushing and testing of new main prior to putting in service
- Installation of permanent asphalt trench patch to complete street restoration

Recycling and Waste Disposal

- 125 CY of original soil was removed and landfilled due to its high clay content and lack of suitability for street construction

Cost Detail

Final project cost was \$15,927.20

Line items costs are provided on the following page.

Date: Friday, November 09, 2018
 Time: 10:11:29AM
 User: WUMLD

Madison Water Utility
Estimated Pjt Cost Analysis

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 Report: PA160.rpt
 Company: 01

{pjptdsum.project} = '1186012'

Project 1-1860-12 Worthington-Rosemary-MWU
 WO Requester KMIE Kelly Miess
 Customer
 Period 09-2018

Task Description	Account Category	Original Budget Amount	EAC Amount	% Complete Rep Comp		MTD Cost	PTD Cost	Current Variance	Projected Variance	Estimate Cost to Complete
0 Default	AP	0.00	0.00			2,986.53	2,986.53	0.00	0.00	-2,986.53
0 Default	EQUIPMENT	0.00	0.00			360.00	875.00	0.00	0.00	-875.00
0 Default	INVENTORY	0.00	0.00			0.00	2,681.11	0.00	0.00	-2,681.11
0 Default	LABOR	0.00	0.00			1,369.20	6,135.36	0.00	0.00	-6,135.36
0 Default	OVERHEAD	0.00	0.00			477.84	2,141.23	0.00	0.00	-2,141.23
0 Default	STORES	0.00	0.00			0.00	187.69	0.00	0.00	-187.69
0 Default	TOOLS	0.00	0.00			54.77	245.41	0.00	0.00	-245.41
0 Default	TRANSPORTATION	0.00	0.00			150.61	674.87	0.00	0.00	-674.87
	* Total Task	0.00	0.00	0	0	5,398.95	15,927.20	0.00	0.00	-15,927.20
	** Total Project	0.00	0.00	0	0	5,398.95	15,927.20	0.00	0.00	-15,927.20
	*** GRAND TOTAL	0.00	0.00			5,398.95	15,927.20	0.00	0.00	-15,927.20

Records Printed: 9