

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

Project: Garver Path & Starkweather Drive Reconstruction; City Contract 8572
(MUNIS Project No. 12952)

Date: 9/1/2021

Agency: Water Utility

Final Cost: \$49,889.47

Background

Madison Water Utility (MWU) self-performed non-bid work in conjunction with City of Madison Contract 8572 Garver Path & Starkweather Drive Reconstruction. Within the project limits, there were three areas of conflict between MWU facilities and proposed contract work. In addition, the Utility planned two improvements, the installation of two new fire hydrants required to meet current Department of Natural Resources regulatory requirements, and the replacement of a 2-inch copper water main. MWU chose to use its own crews to perform the relocations and improvements. Using its own crews was estimated to be less expensive than including the work in the contract. Further, the work could be completed by utility staff before the contract work was begun, allowing the contractor to begin their work sooner and with less competition for work space and staging area.

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 following work was performed at five discreet locations within the project limits:

1. Starkweather Drive & Hargrove Street intersection: A fire hydrant in conflict with a new sidewalk was relocated.
2. Starkweather Drive & Leon Street intersection: A valve in conflict with proposed sewers was relocated.
3. Starkweather Creek between Ivy Street and Dawes Street: a water main in conflict with the proposed bicycle/pedestrian bridge improvements was abandoned.
4. Starkweather Drive & Richard Street intersection: A new fire hydrant was installed.
5. Dawes Street between Starkweather Drive & Leon Street: Approximately 100 feet of 2-in copper water main was replaced with 6-in ductile iron main. Additionally, five service laterals were re-connected from the old main to the new main and a fire hydrant was installed at the Dawes/Starkweather intersection.

Work required to furnish and install a total of 155 feet of new 6-inch water main, two new hydrants, five service reconnections and the above described relocations and abandonments included:

- Mobilization of staff, materials and equipment
- Maintenance of traffic controls
- Excavation of trench for placement of new water main or relocated facilities
- Removal and hauling of material off-site
- Installation of new ductile iron water mains, fittings and appurtenances
- Flushing and testing of new main prior to putting in service
- Disconnection/reconnection of service laterals from the old main to the new main
- Backfilling of trench with native material and imported select fill
- Installation of a temporary road patch
- Restoration, clean-up and demobilization

Recycling and Waste Disposal

- Approximately 100 CY original soil was removed and landfilled due to its unsuitability for road construction.

Cost Detail

Final project cost was \$49,889.47

Line items costs are provided on the following page.

PROJECT NAME: STARKWEATHER DR RECONSTRUCTION
PROJECT NUMBER: 12952

MADISON WATER UTILITY
PROJECT COST ANALYSIS

ACCOUNT	AMOUNT
LABOR	\$15,448.57
LABOR BURDEN	\$4,016.62
PAYROLL BENEFITS	\$4,527.60
PAYROLL TAXES	\$1,489.09
MATERIALS ¹	\$18,123.50
EQUIPMENT	\$2,900.00
TOOLS	\$1,167.92
TRANSPORTATION	\$2,141.17
PERMITS	\$75.00
TOTAL:	\$49,889.47

NOTE:

1: Includes Materials, Accounts Payable, Stores & Inventory