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

Project: Waterways 2024 – Storm Sewer Replacement near 7707 Old Sauk Rd

Date: 11/14/2024

Agency: Engineering

Final Cost: $43,884.77

Background

City Engineering Operations staff removed and replaced storm sewer structures on Old Sauk Rd in response to resident concerns. The existing structure castings had been installed within the typical wheel path causing repeated failure of the casting and loud, clanging noise that affected neighbors. Operations staff had replaced the castings and patched the pavement in the past and adjusting the sewer alignment was the best option to mitigate the failure and nuisance issues.

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 existing storm sewer access structures, inlets, and storm sewer pipe were removed. New inlets were installed and connected to new storm sewer pipe. The sewer pipe alignment was adjusted to eliminate the need for storm sewer access structures in the road with additional inlets. The storm sewer collection capacity was increased with this repair.

Recycling and Waste Disposal

Concrete structures, concrete pipe, and removed asphalt were recycled. Structure castings were salvaged, reinstalled where possible, or saved for future use.

Cost Detail

Final project cost was $43,884.77. Line items costs are provided below.

ITEM	COST
Wages and Benefits	$ 22,265.10
Equipment	$ 11,241.35
Materials and Supplies	$ 10,378.32
Other:	
TOTAL	**$ 43,884.77**

Cost Analysis

Engineering Operations was able to complete the design, labor, material, permitting, and work necessary to replace the public storm. The Operations staff were aware of the issue and had previously worked to address the concerns of residents. They helped identify the site as a priority for repair.

The project location was along an arterial roadway with high traffic volumes. The right-of-way has multiple private and public utilities in the area, which typically requires multiple Utility Line Openings to identify conflicts. Operations staff was able to modify the initial replacement plan to reduce utility conflicts and complete work without requiring private utilities to relocate services which provided significant time-savings. A Public Works project issued for bids that would be similar scope could range between $55,000 to $60,000, which would require additional coordination for design and inspection with City Engineering staff.