

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

Project: John Nolen Service Road Emergency Storm Repair-2022

Date: 6/9/2022

Agency: Engineering

Final Cost: \$34,860

Background

The John Nolen Service Road Emergency entailed the restoration phase of the emergency sewer repair from late 2021. The prior repair included labor, equipment and materials necessary to repair damaged storm sewer to eliminate a sinkhole hazard within the street right of way.

The work included with this report includes restoration of public right-of-way pavement, curb, gutter, sidewalk, bike path, and terrace restoration that could not be completed in the winter months of 2021 per City of Madison Standard Specifications.

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

Work included replacement of concrete sidewalk, curb and gutter, asphalt pavement for John Nolen Dr Service Road and Capital City Bike Path, as well as, terrace restoration.

Cost Detail

Final project cost was \$34,860. Line items costs are provided below.

Wages and Benefits	\$	20,145.00
Equipment	\$	6,855.00
Materials & Supplies	\$	4,580.00
Other: WO#103020 - Pavement Replacement	\$	3,280.00
TOTAL	\$	34,860.00

Cost Analysis

The restoration work completed by City of Madison Engineering Operations staff is similar to restoration completed by private contractors under typical Public Works contracts. The average of bid prices related to restoration work for Public Works projects from private contractors trends lower than the cost of this project completed by Engineering Operation staff. An estimated cost based on the average of private contractor bid quotes for Standard Bid Item construction was \$28,730, including average bid prices for traffic controls and mobilization to the scale of the work involved with this project. City Engineering adds 8% to the total for design, permitting, inspection and administration which updates the comparative total amount to \$31,030.

Restoration projects of this scale are not typically submitted for public bids. Restoration costs as a component of reconstruction or resurfacing projects are similar among contract bidders since the specialization of labor and equipment are shared by all prequalified contractors. Generally, the cost of materials and scheduling determine the variation in bid quotes.

Including the work completed in 2021 for the John Nolen Dr emergency repair, the total cost was \$99,200 (\$64,340 + \$34,860). The total estimated cost for the work if completed via Public Works contract was estimated to be \$101,140 (\$70,110 + \$31,030).