



City Council Report

Date: May 16, 2022
To: City Council
Through: Marc Heirshberg, Deputy City Manager
From: Beth Huning, City Engineer
Marc Ahlstrom, Assistant City Engineer
Subject: Ratification of the Emergency Purchase for Relief Sewer Improvements –
Country Club
City Project No. CP0956SR07
Council District 3

Recommendation

The purpose of this report is to request City Council ratification of the emergency purchase resulting in an increased Job Order Contract (JOC) contract limit from \$1,500,000 to \$2,200,000 for an individual Job Order for Relief Sewer Improvements within Hampton Avenue and Country Club Drive.

Background

An existing 1986 8-inch sanitary sewer extends from Sunsplash at 155 W. Hampton, west to Country Club Drive, and ties into an existing 1968 8-inch sanitary sewer that extends to a 36-inch east/west pipe in Southern Avenue. Recent development has come into this area that, when combined with the existing flow from Sunsplash during peak operational times of the year, is severely taxing the capacity of the existing 8-inch pipe. This has resulted in the pipe flowing fully surcharged to the point of a sanitary sewer overflow.

To alleviate this condition, City staff designed a new 10-inch sanitary sewer in Hampton Avenue and a new 12-inch sanitary sewer in Country Club Drive to convey the additional flow. A JOC project was included on the July 1, 2021, JOC notification list to Council for an amount of \$1,316,000 to install the new pipes. The new pipe in Hampton Avenue is under construction and is nearly complete. Construction on Country Club Drive needed to begin immediately to meet the peak operational flows.

The intended method of construction for the design for the new Country Club Drive sanitary sewer included using a technique called pipeline bursting to extend the pipe under the intersection of Country Club Drive and Southern Avenue. During the course of the project, the contractor found that the soils in Southern Avenue were too hard to

accomplish pipeline bursting. This means that to install this pipe, the contractor must either open trench a new pipe in a very busy intersection that would require closures or dig a tunnel to install the pipe. The contractor proposed tunneling. This increased the cost of the project to as much as \$2.2 million, which exceeds the approved JOC limit of \$1.5 million and the amount approved on the JOC list.

Discussion

To avoid construction delays and mitigate the risk of overflows during Sunsplash's peak operating period, an emergency purchase was issued on April 20, 2022 to increase the contract amount and the JOC limit to \$2.2 million. The justification for this emergency purchase is threefold:

1. Since the sanitary sewer is operating over capacity, it presents the risk of overflowing into the public right-of-way, which is a danger to public health.
2. Existing unforeseen hard soils are present (which were unknown during design) that are substantially increasing the cost above the existing JOC limit due to the need to tunnel.
3. If the sewer is not installed prior to Sunsplash's peak operations, the Country Club Drive sewer construction would be delayed into next winter. This could result in significant costs to the project because the City will have to pay for demobilization as well as any remobilization next winter and any inflation that may occur during that timeframe. Inflation has been significant on recent projects of this nature. It is financially more feasible for the City to do this work now while the contractor is on site.

This emergency procurement was approved by the City Engineer and Deputy City Manager to minimize these risks.

Fiscal Impact

This emergency purchase increases the contract by \$864,000.

This project is funded by the Utility Fund.

Coordinated With

The Water Resources Department concurs with this recommendation.