



TO: Michael C. Van Milligen, City Manager

FROM: Gus Psihoyos, City Engineer 

DATE: April 10, 2018

RE: 22nd Street Storm Sewer Improvements Project - Elm to White
CIP# 2642769, PROJECT# 1X0006

INTRODUCTION

The attached resolution authorizes the award of the construction contract for the 22nd Street Storm Sewer Improvements Project (Elm to White).

BACKGROUND

In January 2016, the State of Iowa was awarded \$95.7 million in HUD National Disaster Resiliency Competition grant funds. Per the award, the City of Dubuque is to receive \$23.1 million for storm water infrastructure improvements associated with the Bee Branch Watershed Flood Mitigation Project. The infrastructure improvements are as follows:

1. Bee Branch Railroad Culvert Infrastructure Improvements involving the installation of culverts from the Lower Bee Branch Creek, through Canadian Pacific Railway property, to the Upper Bee Branch north of Garfield Avenue;
2. 22nd Street/Kaufmann Ave Storm Sewer Improvements involving the installation of a large diameter storm sewer from 22nd & Elm up Kaufmann Avenue to the Kaufmann & Kane intersection. The work includes inlets and local sewer connections to the storm sewer and the complete reconstruction of the street and other underground utilities along the street right-of-way corridor.
3. 17th Street/W. Locust Street Storm Sewer Improvements involving the installation of a 96-inch diameter pipe from the Lower Bee Branch Creek through the Canadian Pacific Railway tracks to 17th Street then to the west along 17th Street and finally west along W. Locust Street towards Angella St. The work includes inlets and local sewer connections to the storm sewer and the complete reconstruction of the street and other underground utilities along the street right-of-way corridor.

In October of 2016, the City Council passed Resolution 362-16 authorizing the execution of the funding contract with the Iowa Economic Development Authority (IEDA)

for the City's receipt of \$23,309,600.00 in Community Development Block Grant Program Disaster Recovery - National Disaster Resiliency funds for the Bee Branch Watershed Flood Mitigation Project.

DISCUSSION

The 22nd Street Storm Sewer Improvements Project is one phase of the Bee Branch Watershed Flood Mitigation Project. It involves the replacement of the existing storm sewer with a large diameter storm sewer and additional storm drains (intakes) from the Bee Branch Creek along 22nd Street to the west up Kaufmann Avenue to Kane Street. This work will require the relocation and reconstruction of existing underground utilities to provide the necessary space for the larger storm sewer. It will also require the complete removal and subsequent reconstruction of the street.

The improvements will be constructed under multiple construction contracts. The 22nd Street Storm Sewer Improvements Project - Elm to White, ("the Project"), is the first. It involves the construction of improvements on 22nd Street from Elm Street to White Street. See attached public outreach letter. The Project improvements include construction of approximately 714 linear feet of 10-foot by 6-foot concrete box culvert (either cast-in place or precast) with cast in place connections on both the west and east ends of the project. The Project also includes local storm sewer and intakes, roadway reconstruction in either hot mix asphalt (HMA) or Portland Cement Concrete (PCC) surfacing, PCC driveway, sidewalk, and curb ramp reconstruction, PCC wall, railing, and step construction, water main replacement, sanitary sewer replacement, temporary storm water management, dewatering, mobilization, electrical conduits, fiber vaults, traffic signal replacement, miscellaneous restoration, erosion control, and traffic control.

The Project will have internal traffic control stages to minimize the inconvenience to citizens driving across the corridor. For example, if the 22nd street and Washington Street and 22nd street and Jackson Street intersections are closed for construction, White Street and Elm Street will remain open to traffic.

Additional phases will continue along 22nd street from White Street to Kane Street on Kaufmann Avenue. These additional phases of construction will occur in 2019 and 2020.

PUBLIC ENGAGEMENT

The Engineering staff held a public information meeting for this project on August 22, 2017 at Comiskey Park. Several letters were sent to property owners and residents in the affected properties on the project before the public meeting and since. Engineering staff also held "office hours" so questions could be asked individually by property owners if needed. A project website is located at:

<https://www.cityofdubuque.org/1820/22nd-St-Kaufmann-Ave-Project> . This is on the Bee Branch Flood Mitigation area of the City's website.

BID RESULTS

On April 10, 2018, the City received bids for the 22nd Street Storm Sewer Improvements Project - Elm Street to White Street. Bidders were asked to provide two bids, one that includes paving with hot mix asphalt (HMA) and another paving with Portland Cement Concrete (PCC). As outlined in the bidding documents, the City outlined that award of the contract would be based on the lowest bid, regardless of the paving surface installed. The City received four bids for the project:

HMA Base Bid Proposal

<u>Contractor</u>	<u>Bid Results</u>
Portzen Construction	\$2,548,366.71
Top Grade Excavating	\$2,903,216.45
Fischer Excavating	\$3,104,505.31
WC Stewart Construction	\$3,944,194.08

PCC Base Bid Proposal

<u>Contractor</u>	<u>Bid Results</u>
Portzen Construction	\$2,562,872.63
Top Grade Excavating	\$2,931,874.45
Fischer Excavating	\$3,126,256.78
WC Stewart Construction	\$3,971,156.85

In addition to the two base bids, the City requested an alternate bid for salvaging brick pavers that may be encountered in the street. This work would be for stockpiling pavers for future City use. Based on the estimated quantity and bid unit cost from the low bidder, this additional cost is \$162,000. The selection of the alternate is not recommended for this project.

Portzen Construction of Dubuque, IA, submitted the low base bid using HMA street paving in the amount of \$2,548,366.71. This amount is 24.7% under the estimate of probable cost.

RECOMMENDATION

I recommend that the contract for the 22nd Street Storm Sewer Improvements Project - Elm to White be awarded to Portzen Construction of Dubuque, IA based on their Base Bid HMA Pavement option in the amount of \$2,548,366.71.

BUDGET IMPACT

The summary of cost for the 22nd Street Storm Sewer Improvements Project – Elm to White is as follows:

	<u>Estimate</u>	<u>Award</u>
Construction Contract	\$ 3,373,236.00	\$2,548,366.71
Contingency	337,324.00	\$337,324.00
Engineering Design, Administration & Inspection	<u>556,584.00</u>	<u>\$556,584.00</u>
Total Project Cost	<u>\$ 4,267,144.00</u>	<u>\$3,442,274.71</u>

The funding summary is as follows:

CIP & PROJECT	Fund Description	Fund Amount
264-2769 1X0006 (HUD)	22nd Street Storm Sewer Improvements	\$3,442,274.71

The improvements will be funded using the \$23.1 million in Community Development Block Grant Program Disaster Recovery - National Disaster Resiliency funds for the Bee Branch Watershed Flood Mitigation Project.

ACTION TO BE TAKEN

I recommend that the City Council adopt the attached resolution awarding the construction contract for the 22nd Street Storm Sewer Project - Elm to White to Portzen Construction in the amount of \$2,548,366.71.

Attach.

Prepared by Jon Dienst, P.E.

cc: Crenna Brumwell, City Attorney
Jenny Larson, Budget Director
Alexis Steger, Senior Budget Analyst
John Tharp, Grant Administrator
Steve Sampson Brown, Project Manager
Deron Muehring, Civil Engineer II