



TO: Michael C. Van Milligen, City Manager

FROM: Gus Psihoyos, City Engineer

DATE: March 19, 2018

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

INTRODUCTION

The attached resolution is in reference to the public hearing for the 22nd Street Storm Sewer Improvements Project (Elm to White).

BACKGROUND

In January 2016, the State 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. The project involves the replacement of the existing storm sewer with a large diameter storm sewer and additional storm drains (intakes) from the Lower Bee Branch Creek along 22nd Street from Elm Street to White Street. Improvements will continue up Kaufmann Avenue to Kane Street in a future phase. 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 in multiple phases. Phase I involves the construction of improvements on 22nd Street from Elm Street to White Street. Phase I 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 (with the option of either asphalt surfacing or 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.

There will be a need to acquire temporary construction easements for most properties. These easements will be acquired prior to construction. Property rights letters and related temporary easement documentation have been mailed out to property owners.

The City will follow the procedures outlined in the Federal Uniform Relocation Act in acquiring temporary construction easements.

PROJECT SCHEDULE

The schedule for Phase I has been developed in coordination with the owners of the properties immediately north and south of 22nd Street from Elm Street to White Street.

The schedule for the Project is as follows:

Initiate Public Bidding Process	March 19, 2018
Publish Notice to Bidders, Advertise for Bids	March 23, 2018
Publish Public Hearing Notice on Plans & Specs	March 23, 2018
Public Hearing on Plans & Specifications	April 2, 2018
Receipt of Bids (Bid Letting)	April 10, 2018
Award Construction Contract	April 16, 2018
Final Project Completion	November 17, 2018

Subsequent phases will follow in 2018. As noted, all of the improvements for all phases must be complete by June 30, 2021.

BUDGET IMPACT

The preliminary estimate of probable costs for the Phase I of the 22nd Street Storm Sewer Improvements Project is as follows:

Construction	\$ 3,373,236.00
Contingency (10%)	337,324.00
Engineering	<u>556,584.00</u>
Total Project Cost	<u>\$4,267,144.00</u>

The funding summary is as follows:

CIP & PROJECT	Fund Description	Fund Amount
264-2769 1X0006 (HUD)	22nd Street Storm Sewer Improvements	\$5,310,000

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.

RECOMMENDATION AND REQUESTED ACTION

I recommend and the City Council is requested to approve plans, specifications, form of contract and the estimated cost through the attached resolution for the 22nd Street Storm Sewer Project (Elm to White).

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