



TO: Michael C. Van Milligen, City Manager

FROM: Gus Psihoyos, City Engineer

DATE: April 27, 2018

RE: 17th Street Storm Sewer Improvements Project - Elm to Heeb
CIP# 2642769, PROJECT# 1X0005

INTRODUCTION

The attached resolution is in reference to the public hearing for the 17th Street Storm Sewer Improvements Project - Elm to Heeb.

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 17th Street Storm Sewer Improvements Project is one part of the multi-phase 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 17th Street through Elm Street to W. Locust Street and then up W. Locust Street towards Rosedale Avenue as funding allows. 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 17th Street Storm Sewer Improvements Project will be constructed under multiple contracts. The first, completed in the fall of 2017, involved the construction of improvements on 17th Street from the RR tracks through Elm Street.

The 17th Street Storm Sewer Improvements Project - Elm to Heeb ("the Project") limits will start from where the first contract left off just west of Elm Street. From there it will extend to Heeb Street, just west of Central Avenue. See attached public outreach letter. The Project involves the construction of approximately 1102 linear feet of 10-foot by 5-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 HMA pavement, 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 through the corridor. For example, if the 17th street and Washington Street intersection and the 17th street and Jackson Street intersection are both closed, the White Street and Elm Street will remain open to traffic across 17th Street.

Subsequent contracts are under development that include improvements along 17th street from Heeb Street to W. Locust Street and along W. Locust Street from 17th Street towards Rosedale 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 October 24th, 2017 at the Multicultural Family Center. Several letters were sent to property owners and residents in the affected properties on the project before the public meeting. Engineering staff also held "office hours" so questions could be asked individually by

property owners if needed. A project website is located at: <http://www.cityofdubuque.org/1824/17th-St-W-Locust-St-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 some 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 with the Iowa DOT in acquiring temporary construction easements.

PROJECT SCHEDULE

The schedule for Phase II has been developed in coordination with the owners of the properties immediately north and south of 17th Street from Elm Street to Heeb Street.

The schedule for the Project is as follows:

Initiate Public Bidding Process	April 16, 2018
Publish Notice to Bidders, Advertise for Bids	April 20, 2018
Publish Public Hearing Notice on Plans & Specs	April 27, 2018
Public Hearing on Plans & Specifications	May 7, 2018
Receipt of Bids (Bid Letting)	May 10, 2018
Award Construction Contract	May 21, 2018
Final Project Completion	June 15, 2019

Subsequent phases will follow in 2019. As noted, all of the improvements for all phases must be complete by June 30, 2021.

RECOMMENDATION

I recommend that the City Council approve the plans, specifications, form of contract and estimated cost for the 17th Street Storm Sewer Improvements Project - Elm to Heeb through the adoption of the enclosed resolution.

BUDGET IMPACT

The preliminary estimate of probable costs for the 17th Street Storm Sewer Improvements Project - Elm to Heeb is as follows:

Construction	\$ 4,727,512.00
Contingency	255,000.00
Engineering	<u>744,000.00</u>
Total Project Cost	<u>\$5,726,512.00</u>

The funding summary is as follows:

CIP & PROJECT	Fund Description	Fund Amount
264-2769 1X0005 (HUD)	17th Street Storm Sewer Improvements	\$5,726,512.00

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

The City Council is requested to approve the plans, specifications, form of contract and the estimated cost for the 17th Street Storm Sewer Project - Elm to Heeb through the adoption of the attached resolution.

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