


**TO:** Michael C. Van Milligen, City Manager

**FROM:** Gus Psihoyos, City Engineer 

**SUBJECT:** Lower Bee Branch Security Network Project  
 CIP# 3401654, PROJECT# 4X0007

**DATE:** November 22, 2019

**INTRODUCTION**

The enclosed resolution is in reference to the public hearing for the Lower Bee Branch Security Network Project.

**BACKGROUND**

In June of 2010, the City Council awarded the construction contract for the Lower Bee Branch Creek Restoration Project in the amount of \$10,836,588.85. Because the bid was more than 25% over the engineer's estimate of probable cost, the construction of ancillary improvements such as the floating islands and the security camera network for the trail system were delayed.

In November of 2013 the City Council passed Resolution 335-13 adopting the 2013 Drainage Basin Master Plan Amendment. The 2013 Amendment did not replace the 2001 Drainage Basin Master Plan. Instead, it built upon its foundation. The amended Drainage Basin Master Plan outlined several improvements throughout the Bee Branch watershed to mitigate the effects of future flooding and disasters. Collectively, the improvements form the basis of the Bee Branch Watershed Flood Mitigation Project outlined in Table 1 below.

**Table 1. Twelve phases of the Bee Branch Watershed Flood Mitigation Project**

Phase	Description	Status
1	Carter Road Detention Basin	Complete
2	West 32 <sup>nd</sup> Street Detention Basin	Complete
3	Historic Millwork District	Complete
4	Lower Bee Branch Creek Restoration	Complete*
5	Flood Mitigation Gate Replacement	Under Design
6	Impervious Surface Reduction (Green Alleys)	Under Construction
7	Upper Bee Branch Creek Restoration	Complete
8	22 <sup>nd</sup> Street Storm Sewer Improvements	Under Construction
9	Flood Mitigation Maintenance Facility	Site Cleanup
10	North End Storm Sewer Improvements	
11	Water Plant Flood Protection	

\* The floating island and security camera network improvements for the Lower Bee Branch Creek Restoration Project were delayed pending funding.

In December of 2013, the Iowa Flood Mitigation Board voted to approve the City's use of \$98,494,178 in state sales tax increment funding for the Bee Branch Watershed Flood Mitigation Project.

**DISCUSSION**

Plans and specifications for the Lower Bee Branch Security Network Project (Project) have been developed and are ready for bidding. The Project improvements consist of the construction of approximately 10,000 feet of fiber-optic conduit and micro-duct with 5,600 feet of fiber-optic cable and 5,300 feet of electric conduit along the Lower Bee Branch Creek. Two new network cabinets will be installed and integrated into the City-wide network. A total of 21 cameras will be installed for security. It also includes the installation of a new irrigation controller, back flow preventer, and 130 linear feet of 2-inch copper water service.

**PROJECT SCHEDULE**

The schedule for the project is as follows:

Initiate Public Bidding Process	November 18, 2019
Publish Notice to Bidders, Advertise for Bids	November 19, 2019
Publish Public Hearing Notice on Plans & Specs	November 22, 2019
Public Hearing on Plans & Specifications	December 2, 2019
Receipt of Bids (Bid Letting)	December 19, 2019
Award Construction Contract	January 6, 2020
Final Project Completion Date	June 12, 2020

**RECOMMENDATION**

I recommend that the City Council approve the plans, specifications, form of contract and estimated cost for the Lower Bee Branch Security Network Project.

**BUDGET IMPACT**

The estimate of probable costs for the Lower Bee Branch Security Network Project is as follows:

Construction	\$303,265.00
Contingency (5%)	15,163.25
Engineering	<u>31,842.83</u>
<b>Total Project Cost</b>	<b>\$350,271.08</b>

The funding summary is as follows:

<u>CIP No.</u>	<u>Fund Description</u>	<u>Fund Amount</u>
<b>3401654</b>	<b>Bee Branch Creek Restoration Project</b>	<b>\$360,000.00</b>
	<b>Sales Tax Increment Bond Proceeds</b>	<b>\$360,000.00</b>

**ACTION TO BE TAKEN**

The City Council is requested to approve the plans, specifications, form of contract and estimated cost for the Lower Bee Branch Security Network Project through the adoption of the attached resolution.

Prepared by Deron Muehring

cc: Crenna Brumwell, City Attorney  
Jenny Larson, Budget Director  
Dave Ness, Civil Engineer  
Deron Muehring, Civil Engineer