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

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

* 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: 31,842.83
- **Total Project Cost**: $350,271.08

The funding summary is as follows:

<table>
<thead>
<tr>
<th>CIP No.</th>
<th>Fund Description</th>
<th>Fund Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>3401654</td>
<td>Bee Branch Creek Restoration Project</td>
<td>$360,000.00</td>
</tr>
<tr>
<td></td>
<td>Sales Tax Increment Bond Proceeds</td>
<td>$360,000.00</td>
</tr>
</tbody>
</table>

**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