Committee: Information Technology Board	Date: 6/1/2018
Common Council Item Number: ID#18-1035	Date: 6/19/2018
Submitted By: Chris Pofahl	City Administrator Approval: Kevin Lahner, City Administrator KML
Finance Department Review: Rich Abbott, Finance Director RA	City Attorney's Office Review: Brian Running, City Attorney N/A
Subject: Review and Act on a request to use the funds originally approved for the multi factor authentication project on the advanced threat protection project.	

Details:

One of the CIP projects for 2018 was to implement multi factor authentication (MFA). MFA is another level of security that requires the users to confirm their identity with 2 or more factors of authentication. 1 factor would be something you know, like a password. The 2nd factor would be something you have, like a security token, or something you are like a fingerprint. However, I have made the decision to hold off on the project due to the current rapid pace of change of MFA technology.There is a need to shift the funds for that project to another security related project. IT would like to implement an advanced threat protection (ATP) system, which adds 2 additional layers of security to our network:

The first layer is called a sandbox, which integrates with our firewall. The sandbox takes all email attachments and downloaded files and opens them in an isolated environment to make sure they are safe, and not viruses or ransomware.

The second layer works in conjunction with the sandbox and our email server, and will do the same with any link inside an email that is sent to a user, verifying that it is a legitimate link and not a phishing scam. The caveat to this layer is that it is not a capital purchase, but a service/operational expense. The funds to implement this service this year, would need to be transferred from 1917-68160-81201 to 1916-52440.

If approved, IT will start a proof-of-concept (PoC) project. Once IT is confident the system is working properly, we will purchase the system.

Options & Alternatives:
Option 1: Carry the funds for the MFA project over to 2019.

Financial Remarks:
The total cost of the ATP project is under $32,000 (less than the MFA project). The proof-of-concept (PoC) will allow IT to properly size the system and then purchase. There is a cloud service component to this project, so $27,265 would need to be transferred from account 1917-68160-81201 to 1916-52440.

Executive Recommendation:
Approve a request to use the funds originally approved for the multi factor authentication project on the advanced threat protection project.