



## Legislation Text

---

**File #:** 2019-0127, **Version:** 1

---

### Title/Name/Summary

Engineering and Permitting for Municipal Basin Hydraulic Analysis

### History

The existing detention basin, called Municipal Basin, is located on the west side of Ravinia Avenue at 156th Street and is located in regulatory floodplain and floodway. The basin was constructed in the 1970's and was designed as "online" storage on Marley Creek. There is an embankment and control structure at the west (downstream) end of the basin. The embankment has settled over time, lowering the overtopping elevation and the resulting storage volume of the basin. The Village is looking to restore the embankment to its original elevation and increasing the available storage volume in the pond. Along with the restoration, these improvements will provide regional drainage for the future Public Works expansion, LFI property and Gianakas property within the Village.

Staff is recommending Christopher B. Burke Engineering, Ltd. (CBBEL) to design construction plans and permit the project through the Illinois Department of Natural Resources Office of Water Resources (IDNR OWR). CBBEL has previous experience with design engineering concerning the basin and extensive experience in permitting project through IDNR OWR. CBBEL also has a full understanding of the Village's overall storm water management system.

On February 18, 2019, this item was reviewed by the Development Service, Planning and Engineering Committee, recommended for approval and referred to the Village Board of Trustees for consideration.

### Financial Impact

CBBEL has proposed a cost of \$58,000 to complete this work. The Water and Sewer fund budgeted \$200,000 in FY2018 for this project.

### Recommended Action/Motion

I move to approve the contract for CBBEL to complete the engineering and permitting for Municipal Basin hydraulics, in the amount of \$58,000 and authorize the Village Manager to execute the contract.