



Legislation Text

File #: 2018-0794, **Version:** 1

Title/Name/Summary

Grasslands Regional Flood Control Facility - Engineering

History

In July 1996 Grasslands subdivision was severely impacted by flooding after a record amount of rainfall. Christopher B. Burke Engineering, Ltd. (CBBEL) of Rosemont, Illinois was contracted to complete a Flood Risk Reduction Assessment of areas throughout the village that were most impacted by the record rainfall and included flooding of the Grasslands Subdivision near 167th Street and Wolf Road. CBBEL recommended a flood control facility on the farmland west of the subdivision to reduce the risk of future flooding.

The Grasslands flood control project was initiated in 2005 and partially designed by CBBEL. A partial basin was constructed that provided an immediate increase in the protection of the downstream properties located within the Grasslands subdivision while the village awaited approvals from the Army Corp of Engineers and IDNR permits (received recently). The constructed partial basin also provides about 40 percent of the future detention needed for the farmland to the west.

Completing the flood control project involves the construction of a dam with a reinforced concrete spillway and outlet pipe. The estimated construction cost is approximately \$600,000.00. Early in 2018 the Metropolitan Water Reclamation District of Greater Chicago (MWRD) solicited Phase II Stormwater Management Program Project proposals from municipalities, townships and other governmental agencies for MWRD funding. The Village of Orland Park submitted the Grasslands Regional Flood Control Facility to the MWRD for consideration. In June 2018 the village received notification from MWRD that our project was accepted, potentially providing approximately 92% funding (\$558,000.00) assistance for construction. The MWRD funding requires additional documentation and engineering finalization for the project. Staff solicited a proposal from CBBEL for Phase 2 engineering to assist managing the project, updating plans, preparing bid specifications as well as other project related documents to meet MWRD requirements. Additionally, a second proposal was solicited for Phase 3 engineering to provide construction oversight. CBBEL submitted the attached proposals for Phase 2 Engineering Services (\$49,400.00) and Phase 3 Engineering Services (\$52,875.00) for an engineering cost of \$102,275.00.

Exact costs for construction are not known at this time but are expected to exceed \$600,000.00. Construction is expected to begin in fiscal year 2019.

CBBEL has been involved with this project from the beginning and has thorough knowledge of the project and permitting necessary to ensure project success.

On November 19, 2018 this item was reviewed by the Public Works Committee and recommended for approval and referred to the Village Board of Trustees for consideration.

Financial Impact

Funds for this work are available in the Storm Sewer Fund 031-6007-470500

Recommended Action/Motion

I move to approve accepting the Phase 2 and Phase 3 Engineering of the Grasslands Regional Flood Control Project proposals from Christopher B. Burke Engineering, Ltd. of Rosemont, Illinois in an amount of \$102,275.00 plus \$10,000.00 contingency (total \$112,275.00).