

**COMMISSION FILE NO:** 16-142-11 **DATE INTRODUCED:** November 14, 2016

**INTRODUCED BY:** Executive Director (Signature on File in the Office of the Commission)

**REFERRED BY COMMISSION CHAIRPERSON TO:** Operations Committee

**RELATING TO:** Contract W10002D01, Design and Engineering Services for the Estabrook Dam Removal Project

**SUMMARY:**

The Commission is requested to authorize the Executive Director to execute on behalf of the District Contract W10002D01, Design and Engineering Services for the Estabrook Dam Removal Project, with AECOM Technical Services, Inc., (AECOM) in an amount not to exceed \$322,200. Authorization is contingent upon the District obtaining ownership of Estabrook Dam. This is a noncompetitive procurement.

The Estabrook Dam (Dam) is located 1,500 feet downstream of the Port Washington Road Bridge. It creates an impoundment of approximately 100 acres stretching two miles upstream. The Dam is currently in a deteriorated condition and is under orders by the Wisconsin Department of Natural Resources (WDNR) to be either repaired or removed.

The Commission adopted a resolution in May 2015 supporting dam removal as soon as practicable. Subsequently, staff recommended removing the Dam as part of the Milwaukee River Watercourse Management Plan adopted by the Commission in October 2016.

Southeastern Wisconsin Regional Planning Commission (SEWRPC) and Milwaukee County have performed alternatives analysis and hydraulics analysis regarding the repair or removal of the Dam. Based on the hydraulic analysis and information included in the alternatives analysis, removal of the Dam provides a flood risk reduction for at least 53 structures located within the one percent annual probability floodplain. Dam removal will also improve water quality, habitat, fish passage, and river aesthetics and will reduce sediment accumulation. Furthermore, dam removal is the lowest cost alternative of five alternatives analyzed.

**ATTACHMENTS:** **BACKGROUND** ☐ **KEY ISSUES** ☐ **RESOLUTION** ☒  
**FISCAL NOTE** ☒ **S/W/MBE** ☒ **OTHER** ☐ \_\_\_\_\_

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**COMMITTEE ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**COMMISSION ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

## **SUMMARY (Cont'd)**

### **Contract W10002D01, Design and Engineering Services for the Estabrook Dam Removal Project**

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AECOM has been under contract with Milwaukee County for six years working as the prime consultant for evaluating dam repair and removal alternatives. The County selected AECOM using a qualifications-based selection process, during which four firms had submitted proposals. AECOM had previously developed plans and specifications for repair of the Dam. Given that AECOM was previously selected using a qualifications-based selection process and their extensive familiarity with Estabrook Dam, staff recommends that the District enter into a contract with AECOM for this project. Staff has, in conjunction with AECOM, developed a scope of services and not-to-exceed fee for the engineering services necessary for dam removal.

The general scope of work for this contract includes:

- Perform project management.
- Meeting with agency stakeholders through the design phase (e.g. WDNR, Milwaukee County Parks Department, Cities of Milwaukee and Glendale, and SEWRPC).
- Preparing for and attending up to two public meetings. The purpose of these meetings is to seek input from and educate the public about the project.
- Performing hydraulic modeling and geomorphic assessment in support of required WDNR permitting and design.
- Performing environmental investigations, including sampling and testing for upstream and downstream pollutants.
- Assisting in obtaining all required regulatory permits.
- Preparing plans and specifications, which will then be used for public bidding.
- Providing bid and award services and engineering services during construction.

After the design work under this contract is complete, the construction contract will be publicly advertised and bid.

The duration for this contract is approximately 24 months.

At the time staff prepared this Commission request, the District had not yet obtained ownership of the Dam. Given the uncertainty around ownership, staff recommends that the Commission not authorize this contract until the District owns Estabrook Dam.

## **RESOLUTION**

Contract W10002D01, Design and Engineering Services for the Estabrook Dam  
Removal Project

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**RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute Contract W10002D01, Design and Engineering Services for the Estabrook Dam Removal Project, with AECOM Technical Services, Inc., in an amount not to exceed \$322,200. This authorization is contingent upon the District obtaining ownership of Estabrook Dam.