

**COMMISSION FILE NO:** 21-139-10 **DATE INTRODUCED:** October 11, 2021

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

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

**RELATING TO:** Award of Contract C98063E01, Preliminary Engineering – Siphons – Phase 1

**SUMMARY:**

The Commission is requested to authorize the Executive Director to execute on behalf of District Contract C98063E01, Preliminary Engineering – Siphons – Phase 1, with CDM Smith, Inc., in an amount not to exceed \$194,150. CDM Smith, Inc., was the highest scoring proposer through a qualifications-based selection method between two proposals received.

The District has approximately 56 miles of active sewer pipes that function as pressurized sewers (force mains, inverted siphons, and pressure sewers) throughout its service area. This project is focused on approximately 8.6 miles of inverted siphons and pressure sewers and has been broken into phases. Phase 1 of this project includes the condition assessment for seven locations with 0.48 miles of inverted siphons.

There is little known about the existing condition of the siphons built before the 1940's. The District needs to better understand the siphon pipes condition and failure mechanism to avoid potential pipe failures and permit violations.

Proposed Contract C98063E01 will evaluate the condition of the District's siphons in the conveyance system and make recommendations for rehabilitation or replacement to extend the life of the assets at least another 35 years. The project scope includes analyzing technology, methodology of how condition assessments would take place, plans, and specifications for a contractor to perform a physical condition assessment of siphons, an analysis of the pipe wall thickness, and an assessment of rates of corrosion or other forms of degradation of pipe strength and to make recommendations of improvements to be taken and phasing of the sites. The evaluation and recommendations will be summarized in a preliminary engineering report.

**ATTACHMENTS:** **BACKGROUND** ☐ **KEY ISSUES** ☐ **RESOLUTION** ☒

**FISCAL NOTE** ☒ **S/W/MBE** ☒ **OTHER** ☐ \_\_\_\_\_

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

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

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

Award of Contract C98063E01, Preliminary Engineering – Siphons – Phase 1

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Under this contract, the consultant will perform the following services:

- Project management.
- Preliminary engineering services.
- Condition assessment.
- Preliminary engineering report.
- Bid and award services.
- Engineering services during condition assessments.

The duration of this contract is approximately 15 months.

## **RESOLUTION**

Award of Contract C98063E01, Preliminary Engineering – Siphons – Phase 1

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**RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute Contract C98063E01, Preliminary Engineering – Siphons – Phase 1, with CDM Smith, Inc., in an amount not to exceed \$194,150.