

**COMMISSION FILE NO:** 19-020-2 **DATE INTRODUCED:** February 11, 2019

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

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

**RELATING TO:** Contract P01006D01, Engineering Services – Interplant Solids Pipeline Replacement at the South Shore Water Reclamation Facility

**SUMMARY:**

The Commission is requested to authorize the Executive Director to execute on behalf of the District Contract P01006D01, Engineering Services – Interplant Solids (IPS) Pipeline Replacement at the South Shore Water Reclamation Facility (SSWRF), with Donohue & Associates, Inc., in an amount not to exceed \$299,702. Donohue & Associates, Inc., was the highest scoring proposer based on a qualifications-based selection method among three proposals received.

The IPS system allows for the transfer of biosolids between the Jones Island Water Reclamation Facility (JIWRF) and SSWRF. The IPS system is critical for processing biosolids and creating Milorganite®. An IPS system outage can potentially result in operational challenges, lost opportunities to create digester gas, and significant increases in operating costs.

The IPS system consists of a pump station located at JIWRF, a pump station located at SSWRF, and four parallel ductile iron pipelines each 12 miles long connecting the two facilities. A cathodic protection system helps protect some pipeline segments from external corrosion. The system was constructed in the late 1980's and began operation in 1992.

The IPS pipeline located underground at SSWRF has experienced three breaks in the last eight years. Each pipeline failure results in the risk of a sanitary sewer overflow. The District inspected the pipelines at SSWRF and determined that they are in poor condition. The purpose of this project is to restore the reliability of the IPS system at SSWRF by replacing those four IPS pipelines.

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

*OP\_Award\_P01006D01\_IPS\_Replacement\_SSWRF\_legislative\_file.docx*  
01-24-19

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

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

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

Contract P01006D01, Engineering Services – Interplant Solids Pipeline Replacement at the South Shore Water Reclamation Facility

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The District had a preliminary engineering report prepared resulting in recommendations for the replacement pipeline material, diameter, quantity, and route, plus preliminary strategies for maintaining IPS capacity during construction. The work under this proposed contract (P01006D01) will proceed from these recommendations.

Under Contract P01006D01, the consultant will:

- Provide engineering services for the replacement of the existing ductile iron IPS pipelines on the SSWRF property with new high-density polyethylene pipelines.
- Prepare plans and specifications.
- Perform bid and award services.
- Provide engineering services during construction.

After the design work is complete, the District will publicly bid construction of replacement pipelines.

The duration for this contract is approximately 37 months.

## **RESOLUTION**

Contract P01006D01, Engineering Services – Interplant Solids Pipeline Replacement at the South Shore Water Reclamation Facility

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**RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute Contract P01006D01, Engineering Services – Interplant Solids Pipeline Replacement at the South Shore Water Reclamation Facility, with Donohue & Associates, Inc., in an amount not to exceed \$299,702.