

**COMMISSION FILE NO:** 20-138-9 **DATE INTRODUCED:** September 14, 2020

**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 P01006C01, Interplant Solids Pipeline Replacement at the South Shore Water Reclamation Facility, and Approve Changes in Total Project Cost

**SUMMARY:**

The Commission is requested to award and to direct the Executive Director to execute on behalf of the District Contract P01006C01, Interplant Solids (IPS) Pipeline Replacement at the South Shore Water Reclamation Facility (SSWRF), to Super Excavators, Inc., in the amount of \$5,858,105. Super Excavators, Inc., was the lowest responsible, responsive bidder among four bids received.

Further, the Commission is requested to increase the total project cost (TPC) for Project P01006, Replace IPS Pipes within SSWRF Property, by \$1,779,089 for an amended TPC of \$6,803,600 and to make a corresponding change to the TPC for Project M99001, Allowance for Cost and Schedule Changes.

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. The system was constructed in the late 1980's and began operation in 1992. A cathodic protection system helps protect the majority of pipeline segments from external corrosion; however, the IPS pipeline sections on the SSWRF property lack cathodic protection.

**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 P01006C01, Interplant Solids Pipeline Replacement at the South Shore Water Reclamation Facility, and Approve Changes in Total Project Cost**

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The IPS pipelines located underground at SSWRF have experienced three breaks in the last 10 years. Each pipeline failure results in the risk of a sanitary sewer overflow. The District inspected the IPS pipelines at SSWRF and determined that they are in poor condition and lack cathodic protection. The purpose of this project is to restore the reliability of the IPS system by replacing the IPS pipelines at SSWRF.

Under Contract P01006C01, the contractor will construct:

- IPS pipelines at SSWRF using high-density polyethylene piping and ductile iron fittings.
- Cathodic protection for the new buried ductile iron fittings.
- A new air/vacuum relief vault at a pipeline high point.

In addition, the contractor will:

- Protect, support, relocate, remove, and abandon utilities as required during construction.
- Perform surface restoration.

The contract duration is 660 calendar days.

The low bid received by the District is greater than budgeted, and staff requests to increase the TPC accordingly. Since the 2020 budget was completed a year ago, additional scope and design details resulted in higher costs than originally budgeted. In addition, some bid costs were higher than estimated.

## **RESOLUTION**

Award of Contract P01006C01, Interplant Solids Pipeline Replacement at the South Shore Water Reclamation Facility, and Approve Changes in Total Project Cost

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**RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that Contract P01006C01, Interplant Solids Pipeline Replacement at the South Shore Water Reclamation Facility, is awarded to Super Excavators, Inc., in the amount of \$5,858,105, and that the Executive Director is directed to execute a contract on behalf of the District.

**FURTHER RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that the total project cost for Project P01006, Replace Interplant Solids Pipes within South Shore Water Reclamation Facility Property, is increased by \$1,779,089 for an amended total project cost of \$6,803,600, and that a corresponding change is made to the total project cost for Project M99001, Allowance for Cost and Schedule Changes.