

COMMISSION FILE NO: 21-096-7 **DATE INTRODUCED:** July 12, 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 C06022C01, Metropolitan Interceptor Sewer System Conveyance Structures Improvements

SUMMARY:

The Commission is requested to award and to direct the Executive Director to execute on behalf of the District Contract C06022C01, Metropolitan Interceptor Sewer (MIS) System Conveyance Structures Improvements, to Cornerstone One, LLC, in the amount of \$527,964. Cornerstone One, LLC, was the lowest, responsible bidder between two bids received.

The District owns multiple structures used to control flow of wastewater to the Inline Storage System (Deep Tunnel), the Jones Island Water Reclamation Facility, or the South Shore Water Reclamation Facility. Diversions are used by the District and Veolia Water Milwaukee (VWM) to direct wastewater flows during wet weather or for maintenance on downstream facilities. These chambers are part of the District's major conveyance system improvements constructed in the late 1980's and early 1990's.

Routine inspections performed by the District and VWM indicate that existing Diversion Chamber 60803 (South 7th Street and West Scott Street) and Splitting Structure 60801 (South 4th Street and West Scott Street) have experienced interior concrete deterioration due to high hydrogen sulfide (H₂S) levels. The deterioration has reduced the remaining useful life of the structures. In addition, isolation gates within these structures that facilitate flow diversions have experienced multiple operational failures in the past and are difficult to access for maintenance.

MIS Structure 85048 (North 13th Street and West Clybourn Street) has a static concrete weir and serves as an overflow structure. The District and VWM have identified the need to provide variable control of this overflow to enhance system control during flow diversions.

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

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SUMMARY (Cont'd)

Award of Contract C06022C01, Metropolitan Interceptor Sewer System Conveyance Structures Improvements

Under this proposed contract, the contractor will perform the following work:

At Diversion Chamber 60803 and Splitting Structure 60801:

- Apply a structural lining system.
- Remove and replace fabricated steel isolation gates.
- Remove and replace concrete top decks, precast access hatches, manhole steps, concrete fillets, and access manholes.

At MIS Structure 85048:

- Complete partial demolition of the existing concrete weir.
- Construct stop log weir system.
- Construct improvements to facilitate operation of stop log system.

Work at all sites will ensure continued reliable conveyance system operations and control. The work at Diversion Chamber 60803 and Splitting Structure 60801 will restore the useful service life of the structures by an estimated 20 years.

The duration of the contract is 255 calendar days.

RESOLUTION

Award of Contract C06022C01, Metropolitan Interceptor Sewer System Conveyance Structures Improvements

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that Contract C06022C01, Metropolitan Interceptor Sewer System Conveyance Structures Improvements, is awarded to Cornerstone One, LLC, in the amount of \$527,964, and that the Executive Director is directed to execute a contract on behalf of the District.