

COMMISSION FILE NO: 25-063-5 **DATE INTRODUCED:** May 5, 2025

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

REFERRED BY COMMISSION CHAIRPERSON TO: Operations Committee

RELATING TO: Restore the Executive Director's Original Delegated Authority, Contract C03013D01, Engineering Services – Oklahoma Avenue Metropolitan Interceptor Sewer Capacity Improvements

SUMMARY:

The Commission is requested to restore the Executive Director's original delegated change order authority on Contract C03013D01, Engineering Services – Oklahoma Avenue Metropolitan Interceptor Sewer (MIS) Capacity Improvements, with Jacobs Associates, Inc., (Jacobs).

The District's 2035 Vision includes zero sewer overflows (both combined and sanitary) and no basement backups. Sanitary sewer overflows (SSO's) are not permitted under the District's Wisconsin Pollutant Discharge Elimination System permit. To achieve this goal and ensure ongoing permit compliance, staff have reviewed the 18 existing District-owned overflow locations to identify possible system improvements that could reduce the risk that an overflow will occur and reduce basement backup risks. One such overflow location is on the Oklahoma Avenue MIS.

This Oklahoma Avenue MIS is located within the Cities of Milwaukee and West Allis and consists of the following pipe segments. This MIS begins at the intersection of South 72nd Street and West Honey Creek Drive, travels northwest along Honey Creek Drive, then runs west along West Oklahoma Avenue to South 77th Street. At 77th Street, the MIS runs north parallel to Honey Creek to Beloit Road. The total area served by this MIS is 660 acres.

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

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COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Restore the Executive Director's Original Delegated Authority, Contract C03013D01, Engineering Services – Oklahoma Avenue Metropolitan Interceptor Sewer Capacity Improvements

Below is a summary of the size and age of the various MIS segments.

MIS Diameter (inches)	Length (feet)	Year Constructed
21	2,050	1953
39 special sections	500	1940
48	830	1988

An SSO pump station, identified as BS0303, is connected to the Oklahoma Avenue MIS at the intersection of Honey Creek and Oklahoma Avenue. During wet weather, when wastewater in this MIS reaches higher levels, BS0303 pumps wastewater from the MIS directly to Honey Creek, resulting in an SSO. An SSO occurs at this location on average every three to four years. Although it results in an SSO, the intent of using BS0303 is to reduce the risk of upstream basement backups by hydraulically relieving the Oklahoma Avenue MIS.

In September 2022, the Commission authorized the Executive Director to enter into Contract C03013D01 with Jacobs in the amount of \$646,980 for the design of MIS improvements to address the SSO and reduce the risk of basement backups. Preliminary design for this project identified that the best alternative that would eliminate the BS0303 SSO pump station and reduce the risk of basement backups would be to replace the existing 21-inch diameter MIS by constructing 3,290 feet of 48-inch diameter MIS. This new MIS would begin at the intersection of West Honey Creek Drive and South 72nd Street, run north along South 72nd Street to the intersection of West Oklahoma Avenue and South 72nd Street, and then run west along West Oklahoma Avenue to tie into an existing 48-inch diameter MIS at the intersection of West Oklahoma Avenue and South 77th Street.

As the contract progressed, several change orders have been executed that address scope revisions and additions necessary to complete the project.

SUMMARY (Cont'd)

Restore the Executive Director's Original Delegated Authority, Contract C03013D01, Engineering Services – Oklahoma Avenue Metropolitan Interceptor Sewer Capacity Improvements

Following is a summary of the change orders executed under Executive Director's change order authority.

- Calibration of the sewer system hydraulic model used to predict future flows within the proposed 48-inch sewer to ensure the model is providing accurate information.
- Additional investigation of existing soil conditions along the selected route to identify potential impacted soil conditions.
- Additional vacuum excavation to gather information on the location of existing utilities along the selected route.
- Additional utility verification and vacuum excavation services to determine the exact locations of private sewer laterals that cross above the proposed 48-inch sewer.
- Creation of waste profiles to ensure proper disposal of impacted soils encountered in the construction phase.
- Correction of buried infrastructure location discrepancies identified from information provided by utility companies.

Following is a summary of the change orders authorized under Commission action and subsequently executed:

- Perform design services to relocate municipal sewers that will connect to the proposed 48-inch sewer.
- Test for asbestos and lead based paint that may be part of the existing SSO pump station (which is to be abandoned).

For engineering service contracts greater than \$500,000, the Commission has delegated to the Executive Director the authority to make changes up to \$200,000 or 10% of the original contract price, whichever is less. For this contract a limit of \$64,698 prevails. To date, the Executive Director has utilized \$63,412 of this authority, leaving a balance of \$1,286. The request to restore the Executive Director's authority is in case any additional changes beyond the remaining Executive Director's authority are necessary. Without this restored authority, work may need to stop while staff obtains necessary change order authority from the Commission.

Jacobs is finalizing engineering design and bid document preparation for the construction phase and staff anticipates advertising the construction for public bid later this year. Jacobs will continue to provide engineering services during the construction phase.

RESOLUTION

Restore the Executive Director's Original Delegated Authority, Contract C03013D01,
Engineering Services – Oklahoma Avenue Metropolitan Interceptor Sewer Capacity
Improvements

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director's original delegated change order authority is restored on Contract C03013D01, Engineering Services – Oklahoma Avenue Metropolitan Interceptor Sewer Capacity Improvements with Jacobs Associates, Inc.