

COMMISSION FILE NO: 26-026-2 **DATE INTRODUCED:** February 9, 2026

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

REFERRED BY COMMISSION CHAIRPERSON TO: Operations Committee

RELATING TO: Contract C01007D01, Engineering Services – South Howell Avenue Wet Weather Relief Sewer

SUMMARY:

The Commission is requested to authorize the Executive Director to execute on behalf of the District Contract C01007D01, Engineering Services – South (S.) Howell Avenue Wet Weather Relief Sewer, with Jacobs Associates, Inc., (Jacobs) in an amount not to exceed \$1,854,462. Jacobs was the highest scoring proposer based on a qualifications-based selection method among six proposals received.

The District's 2035 Vision, supported by its Integrated Watershed Management Goals, emphasizes achieving zero basement backups and, to the extent feasible, zero sanitary and combined sewer overflows to protect public health and water quality.

Adopted by the District Commission in 2022, the 2050 Facilities Plan evaluated sewer system performance across the District to identify infrastructure improvements needed to reduce sanitary sewer overflows (SSO's) and basement backup risks. Through this evaluation, the Facilities Plan identified capacity limitations associated with the S. Howell Avenue Metropolitan Interceptor Sewer (MIS), which serves one of the District's existing overflow locations. The Facilities Plan recommended improvements to address these limitations, providing the basis for creating and advancing the S. Howell Avenue project to reduce overflow and basement backup risks and support continued permit compliance.

This MIS is a 7,680-long, 27-inch-diameter sewer located in the City of Milwaukee that serves nearly 1,700 acres across the cities of Milwaukee, Greenfield, Franklin, and Oak Creek. The MIS runs within the S. Howell Avenue right-of-way adjacent to Milwaukee Mitchell International Airport, beginning north of W. Boden Street and extending north to E. Layton Avenue, where it connects to the District's 144-inch MIS.

ATTACHMENTS: **BACKGROUND** **KEY ISSUES** **RESOLUTION**

FISCAL NOTE **S/W/MBE** **OTHER** _____

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COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Contract C01007D01, Engineering Services – South Howell Avenue Wet Weather Relief Sewer

A 24-inch SSO pipe, identified as BS0101, connects to the S. Howell Avenue MIS at the intersection of S. Howell Avenue and W. Grange Avenue. During severe wet weather, when wastewater levels in the MIS rise to higher levels, BS0101 discharges wastewater directly to a City of Milwaukee storm sewer, resulting in an SSO. SSO's occur at this location, on average, once every three years. While these discharges result in overflows, the function of BS0101 is to hydraulically relieve the MIS and reduce the risk of upstream basement backups.

In 2021, the District completed a planning level study to evaluate the District's active SSO sites, including BS0101. The study assessed whether system capacity improvements could eliminate the need for BS0101 while maintaining or reducing basement backup risk. This analysis identified a feasible improvement consisting of constructing approximately 1,430 feet of 48-inch-diameter and 6,250 feet of 36-inch-diameter MIS's to function as a relief sewer and provide additional hydraulic capacity for the S. Howell Avenue MIS.

Upstream of BS0101 is a wet weather relief pump station, PS0101, that was installed in 2002. PS0101 reduces overflow risk at BS0101 by pumping wet weather flow from the existing Howell Avenue MIS into the 144-inch Pennsylvania Avenue MIS, thereby reducing flow levels in the Howell Avenue MIS. The pumps within this pump station were designed for a 25-year life cycle and are nearing the end of their useful life. The extension of gravity sewer to the pump station could eliminate the need for a wet weather relief pump station at this location.

Proposed Contract C01007C01 includes the design of a new relief sewer in S. Howell Avenue, abandonment of BS0101, and potential abandonment of PS0101.

Under this proposed contract, Jacobs will perform the following engineering services:

- Project management.
- Alternative analysis.
- Preliminary engineering, final design, and bid/contract document preparation.
- Hydraulic analysis.
- Geotechnical investigations.
- Environmental site assessment.
- Bid and award services.
- Engineering services during construction.

After the design work is complete, the District will publicly bid the construction contract.

The contract duration is four years.

RESOLUTION

Contract C01007D01, Engineering Services – South Howell Avenue Wet Weather Relief Sewer

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute Contract C01007D01, Engineering Services – South Howell Avenue Wet Weather Relief Sewer, with Jacobs Associates, Inc., in an amount not to exceed \$1,854,462.