

COMMISSION FILE NO: 21-109-7 **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: Approval of Funding Agreement M10005ME01 Under Project M10005, 2021 City of Mequon Private Property Infiltration and Inflow Reduction Project

SUMMARY:

The Commission is requested to authorize and to direct the Executive Director to execute on behalf of the District Funding Agreement M10005ME01 in the amount of \$888,000 for work outlined in Work Plan M10005ME01 as submitted by the City of Mequon (City) under Project M10005, Private Property Infiltration and Inflow (PPII) Reduction Program. Including Work Plan M10005ME01, the City has obligated 41% of the funding available to the City through 2021 in the PPII Program.

Based on a prioritization study and field investigation work completed by the City, 195 private properties have been identified for infiltration and inflow reduction work. Multiple strategies of rehabilitation are planned, including sump pump installation, lateral grouting, and lateral pipe bursting.

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

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COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

BACKGROUND

Approval of Funding Agreement M10005ME01 Under Project M10005, 2021 City of Mequon Private Property Infiltration and Inflow Reduction Project

In 2019, the City completed a planning level study of the 24 sanitary lift station collection areas that serve the City to prioritize infiltration and inflow (I&I) reduction based on sanitary sewer overflow volumes, wet weather flow peaking factors, and average daily flows. The study report recommended Lift Station F (LS-F) and Lift Station H (LS-H) areas as the highest priorities for I&I reduction work. LS-F and LS-H reside in sewersheds ME4001 and ME4002. While sewersheds ME4001 and ME4002 are compliant with District Chapter Three rules for wet weather performance, sanitary sewer overflows have occurred on four dates in the last seven years. As recommended in the 2019 study, the City proceeded with investigative field work and data collection in the LS-F and LS-H areas to identify specific parcel by parcel locations for I&I reduction. Through sanitary lateral closed circuit televising exams and property clear water compliance inspections, 195 parcels have been identified for lateral rehabilitation, sump installation, or both. The City also collects flow data with 14 meters installed and maintained by the District.

The total project cost is estimated to be \$888,000 and is anticipated to be 100% funded through the District PPII Program. The construction contract is anticipated to be publicly bid in September 2021. Construction is tentatively planned to start in March 2022 with completion by fall 2022.

Including Work Plan M10005ME01, the City has obligated 41% (\$888,000/\$2,168,892) of the funding available to the City through 2021 in the PPII Program. The requested funding is budgeted through project M10005 and does not represent an increase in the total project cost.

RESOLUTION

Approval of Funding Agreement M10005ME01 Under Project M10005, 2021 City of Mequon Private Property Infiltration and Inflow Reduction Project

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized and directed to execute on behalf of the District Funding Agreement M10005ME01 in the amount of \$888,000 for work outlined in Work Plan M10005ME01 as submitted by the City of Mequon under Project M10005, Private Property Infiltration and Inflow Reduction Program.