

COMMISSION FILE NO: 21-123-9 **DATE INTRODUCED:** September 13, 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 M10005ME02 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 M10005ME02 in the amount of \$756,000 for work outlined in Work Plan M10005ME02 as submitted by the City of Mequon (City) under Project M10005, Private Property Infiltration and Inflow (PPII) Reduction Program. Including Work Plan M10005ME02, the City of Mequon has obligated 76% of the funding available to the City through 2021 in the PPII Program.

Based on a prioritization study completed by the City in 2019, the Lift Station E (LS-E) sanitary sewer collection area is one of the three highest priority areas within the City for infiltration and inflow (I&I) reduction work. The City proposes to complete investigative work on 390 parcels to identify specific private property sources of I&I and develop recommendations for repairs.

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 M10005ME02 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 I&I reduction based on sanitary sewer overflow volumes, wet weather flow peaking factors, and average daily flows. The study report recommended the sanitary sewer collection areas tributary to LS-E, Lift Station F (LS-F), and Lift Station H (LS-H) as the highest priorities for I&I reduction work. The investigative work for LS-F and LS-H has been completed and rehabilitation work is planned through a separate project. The City proposes to similarly complete closed-circuit televising (CCTV) exams of the sanitary service laterals, wet weather simulation through dye water flooding of the storm water system, and clear water compliance inspections in the LS-E area. The District installed and maintains 14 sanitary sewer flow meters within the City, and the proposed work plan will collect and analyze data from the meters. The project area resides in sewersheds ME4001, ME4002, and ME4004. While the three metersheds are compliant with District Chapter 3 rules for wet weather performance, sanitary sewer overflows have occurred on four dates in the last seven years.

Homeowner participation is voluntary. The City will distribute letters to the 506 properties in the project area. Following the letters, a public meeting will be held for each sewershed. Project information and updates will be posted on the City's website. Based on previous private property projects, the City estimates 390 homeowners may participate.

The total project cost is estimated to be \$756,000 and is anticipated to be 100% funded through the District's PPII Program.

The City anticipates soliciting bids for the CCTV exams in September 2021. City staff will schedule and complete clear water compliance inspections from September through November 2021. Investigative field work will be completed as weather allows in fall 2021 and spring 2022. Repair recommendations will be completed by June 2022.

Including Work Plan M10005ME02, the City has obligated 76% (\$1,644,000/\$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 M10005ME02 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 M10005ME02 in the amount of \$756,000 for work outlined in Work Plan M10005ME02 as submitted by the City of Mequon under Project M10005, Private Property Infiltration and Inflow Reduction Program.