

COMMISSION FILE NO: 16-161-12 **DATE INTRODUCED:** December 5, 2016

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 MF05 under Project M03044, 2017 Village of Menomonee Falls Private Property Inflow and Infiltration Reduction Pilot Project

SUMMARY:

The Commission is requested to authorize and to direct the Executive Director to execute on behalf of the District Funding Agreement MF05 in the amount of \$997,066 for work outlined in Work Plan MF05 as submitted by the Village of Menomonee Falls under project M03044, Private Property Inflow and Infiltration (PPI/I) Program. Including this Work Plan MF05, the Village of Menomonee Falls has obligated 100% of the funding available to the Village through 2016 in the PPI/I Program.

While the Village of Menomonee Falls (Village) has completed substantial rehabilitation of publicly owned sewers and enforced ordinance provisions for the maintenance of privately owned sanitary sewer systems for clear water reduction, high flows induced by major rain events persist in the Winchester Highlands neighborhood. Menomonee Falls seeks to further reduce the frequency and severity of these high flows during heavy rain events through PPI/I reduction in the project area.

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

OP_Menomonee_Falls_MF05_II_Reduction_Project_legislative_file.docx
11-16-16

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

BACKGROUND

Approval of Funding Agreement MF05 under Project M03044, 2017 Village of Menomonee Falls Private Property Inflow and Infiltration Reduction Pilot Project

In 2016, the Village completed investigative work through the District PPI/I Program in the Winchester Heights neighborhood. The project area was developed in the mid-1960's and has concrete sanitary sewers with concrete laterals from the public sanitary sewer to the right-of-way (ROW), transitioning to clay from the ROW to the house. Most of the public sanitary sewers in the project area have been rehabilitated. Despite these improvements to the public sewer system, the project area has seen persistent basement backups, extremely high sanitary flows, and street flooding during wet weather events. One-hundred-fourteen laterals adjacent to storm sewers were prioritized within the project area for closed caption televising (CCTV) concurrent with dye water flooding of the storm sewers. All 114 laterals were televised with homeowner permission and displayed major defects. As a result, the Village proposes to rehabilitate all 114 laterals with cured in place pipe lining. Nineteen additional homeowners did not provide consent for CCTV but have laterals that were determined to be leaking through investigative work; rehabilitation of those laterals will also be offered.

Public involvement will be completed through the District contract with Brown and Caldwell. Letters will be prepared and sent to 184 homeowners throughout the investigative project area. The letters will include the results of the investigative work. Two public meetings will be conducted to present the rehabilitation project and encourage homeowner consent. Phone calls to all proposed participants will be completed if necessary. The project is 100% voluntary and funded 100% through the District program. Total project cost is estimated to be \$1,166,000 which exceeds the Village allocation through 2016. The Village intends to submit a request for an amendment for the balance of the project funding once the 2017 PPI/I allocations have been calculated in early 2017.

The project schedule is proposed as follows:

- Design: February and March 2017
- Public bidding of construction: April 2017
- Construction: June through October 2017
- Final Report: January 31, 2018

Including this Work Plan MF05, the Village of Menomonee Falls has obligated 100% (\$1,962,416) of the funding available to the Village through 2016 in the PPI/I Program.

RESOLUTION

Approval of Funding Agreement MF05 under Project M03044, 2017 Village of Menomonee Falls Private Property Inflow and Infiltration Reduction Pilot 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 MF05 in the amount of \$997,066 for work outlined in Work Plan MF05 as submitted by the Village of Menomonee Falls under project M03044, Private Property Inflow and Infiltration Program.