



**COMMISSION FILE NO:** 17-083-9 **DATE INTRODUCED:** September 11, 2017

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

**REFERRED BY COMMISSION CHAIRPERSON TO:** Policy, Finance, and Personnel Committee

**RELATING TO:** Amend the 2017 Capital Budget, Create Project C04011, Martha Washington Drive/Upper Parkway 18-inch Metropolitan Interceptor Sewer Rehabilitation

**SUMMARY:**

The Commission is requested to amend the 2017 Capital Budget and create Project C04011, Martha Washington Drive/Upper Parkway 18-inch Metropolitan Interceptor Sewer (MIS) Rehabilitation, with a total project cost of \$351,849, and to make a corresponding decrease to the total project cost for Project M99001, Allowance for Cost and Schedule Changes. A two-thirds affirmative vote of the Commission is required for adoption.

The District owns the MIS system, which consists of 360 miles of various size sewers. The MIS system conveys wastewater (both combined and separate) from municipally owned sewers to both water reclamation facilities and the Inline Storage System.

Part of the MIS system is an 18-inch MIS located adjacent to Martha Washington Drive and near Upper Parkway within the eastern part of the City of Wauwatosa. This MIS is nearly 100 years old and is of clay construction.

On July 12, 2017, during a heavy rainfall, this 18-inch MIS experienced a separate sewer overflow (SSO). After investigating the cause of this SSO, District staff determined through video inspection that the overflow was caused by tree roots that have grown through cracks in the MIS, creating a blockage and reduced pipe capacity. As flow increased during the rain event, the sewer backed up upstream of the tree roots and discharged through the top of a manhole, resulting in the SSO.

**ATTACHMENTS:** **BACKGROUND**  **KEY ISSUES**  **RESOLUTION**   
**FISCAL NOTE**  **S/W/MBE**  **OTHER**  \_\_\_\_\_

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**COMMITTEE ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**COMMISSION ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

## **SUMMARY (Cont'd)**

Amend the 2017 Capital Budget, Create Project C04011, Martha Washington Drive/Upper Parkway 18-inch Metropolitan Interceptor Sewer Rehabilitation

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Given the condition and age of this MIS and desire to reduce the risk of future SSO's, District staff proposes to create and implement the subject capital project. The purpose of the capital project is to both reduce the risk of SSO's and extend the life of the 18-inch MIS by at least 50 years. The scope of the project consists of:

- Managing the overall project;
- Evaluating the pipe condition;
- Identifying and selecting a sewer rehabilitation method;
- Developing engineering and bid documents to perform the sewer rehabilitation; and
- Performing the sewer rehabilitation.

The total project cost is a planning level cost (-30% to +50%) based on past District experience with cured-in-place pipe lining and staff experience with managing similar projects.

Staff requests creating this project now, (ahead of the 2018 Capital Budget process), to allow engineering to begin immediately and help expedite project completion.

## RESOLUTION

Amend the 2017 Capital Budget, Create Project C04011, Martha Washington Drive/Upper Parkway 18-inch Metropolitan Interceptor Sewer Rehabilitation

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**RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that the 2017 Capital Budget is amended and Project C04011, Martha Washington Drive/Upper Parkway 18-inch Metropolitan Interceptor Sewer Rehabilitation, is created with a total project cost of \$351,849, and that a corresponding decrease is made to the total project cost for Project M99001, Allowance for Cost and Schedule Changes.