

**COMMISSION FILE NO:** 23-149-12 **DATE INTRODUCED:** December 4, 2023

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

**REFERRED BY COMMISSION CHAIRPERSON TO:** Operations Committee

**RELATING TO:** Approve Changes in Total Project Cost for Project I05002, Combined Sewer Outfall 195 Relocation

**SUMMARY:**

The Commission is requested to increase the total project cost (TPC) for Project I05002, Combined Sewer Outfall (CSO) 195 Relocation, by \$469,774 for an amended TPC of \$17,460,000 and to make a corresponding change to the TPC of Project M99001, Allowance for Cost and Schedule Changes.

The District collection system receives and conveys both combined and separate sewage from the City of Milwaukee sewer system. Combined sewage consists of both wastewater and stormwater runoff, and these flows can increase significantly during wet weather events. During significant wet weather events, the capacities of the District's collection system, inline storage system (ISS), and water reclamation facilities can be exceeded, resulting in combined sewer overflows. Combined sewer overflows are typically initiated by closing gates to the ISS. When ISS gates are closed, combined sewage is discharged to surface waters through CSO's.

The existing CSO 195 discharges into Lake Michigan on Jones Island, north of the Lake Express Ferry terminal. The existing CSO is a double 78-inch by 90-inch box sewer constructed in 1939.

Over time, contaminated sediment has accumulated in the downstream portions of the rivers. In 1987, the United States Environmental Protection Agency designated the Milwaukee Estuary (the area where Milwaukee's three rivers converge) as an Area of Concern (AOC) due to historical contamination.

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

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11-13-23

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

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

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

### **Approve Changes in Total Project Cost for Project I05002, Combined Sewer Outfall 195 Relocation**

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A design technical work group recommended construction of a Dredged Material Management Facility (DMMF) to provide safe, secure containment for 1.9 million cubic yards of sediment removed from the rivers.

The location of the proposed DMMF conflicts with the location of the District's CSO 195; therefore, it is necessary to relocate CSO 195. Project I05002 includes engineering, design, and construction to relocate the existing CSO 195 to accommodate the construction of the new DMMF.

In May 2021, the Commission authorized the Executive Director to enter into Contract I05002D01, Engineering Services, CSO 195 Relocation, with Symbiont Science, Engineering, and Construction, Inc., (Symbiont) in an amount of \$424,775. Symbiont's contract included (among multiple tasks) design, bid document preparation, and engineering services during construction. This contract has had multiple change orders throughout the design and bid document preparation phase. Most, but not all, change orders have been accounted for in Project I05002's TPC that was approved as part of the 2024 Capital Budget (\$16,990,226).

In February 2023, the Commission awarded Contract I05002C01, CSO 195 Relocation, to Michels Foundations in the amount of \$15,361,517. Construction is in progress, and work is scheduled to be complete in spring of 2024. District staff manage, inspect, and oversee this contract, and those labor resources are directly charged to Project I05002. Those labor costs are part of a project's TPC.

The District has expended and anticipates expending labor to manage, inspect, and oversee the construction contract at levels above what was anticipated when the 2024 annual budget request for Project I05002 was prepared.

This request to increase the TPC reflects the additional Contract I05002D01 change order costs and District construction phase labor costs that are or will be charged to Project I05002.

## **RESOLUTION**

Approve Changes in Total Project Cost for Project I05002, Combined Sewer Outfall 195 Relocation

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**RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that the total project cost for Project I05002, Combined Sewer Outfall 195 Relocation, is increased by \$469,774 for an amended total project cost of \$17,460,000, and that a corresponding change is made to the total project cost for Project M99001, Allowance for Cost and Schedule Changes.