

COMMISSION FILE NO: 21-137-10 **DATE INTRODUCED:** October 11, 2021

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

REFERRED BY COMMISSION CHAIRPERSON TO: Operations Committee

RELATING TO: Contract M98001D01, Engineering Services, Dredged Material Management Facility

SUMMARY:

The Commission is requested to authorize the Executive Director to execute on behalf of the District Contract M98001D01, Engineering Services, Dredged Material Management Facility (DMMF), with Ramboll Americas Engineering Solutions, Inc., (Ramboll) in an amount not to exceed \$1,295,911, contingent upon the Commission adoption of the 2022 Capital Budget ~~and approval of legislation by the State of Wisconsin allowing the District to proceed with this project.~~ Ramboll was the highest scoring proposer based on a qualifications-based selection method among three proposals received.

Over time, contaminated sediment has accumulated in the downstream portions of the rivers. In 1987, the United States Environmental Protection Agency (USEPA) designated the Milwaukee Estuary (the area where Milwaukee's three rivers converge) as an Area of Concern (AOC) due to historical contamination. With the AOC designation and subsequent stakeholder work, areas within the AOC that have been identified as needing sediment remediation include portions of the lower Kinnickinnic River, segments of the Milwaukee River upstream to Estabrook Park, and smaller areas of the Menomonee River parallel to Canal Street. Primary contaminants of concern include heavy metals, polychlorinated biphenyls, polycyclic aromatic hydrocarbon, and polyfluoroalkyl substances. Sediment remediation includes dredging followed by sediment management.

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

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COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Contract M98001D01, Engineering Services, Dredged Material Management Facility

To manage the sediment, a technical work group consisting of Wisconsin Department of Natural Resources (WDNR), the City of Milwaukee, the Port of Milwaukee, We Energies, and others evaluated alternatives and ultimately recommended construction of a DMMF. The DMMF is an engineered and constructed sediment containment facility, specifically designed to ensure safe and secure storage of dredged sediment. The proposed DMMF is space adjacent to Lake Michigan and immediately north of an existing confined disposal facility. Dredged material would be placed within the DMMF, where it will settle over time. When the DMMF is completed, this facility will provide containment for 1.9 million cubic yards of sediment removed from the Milwaukee, Menomonee, and Kinnickinnic Rivers. In addition, there is space within the DMMF for the Port of Milwaukee to place material dredged for commercial navigation purposes and for the District to place soil and materials that have been excavated as part of District watercourse projects.

For the DMMF to be constructed, it first must be engineered and designed, have permits obtained, and have a public bid document developed. Some, but not all, of the permitting work has been developed, along with some preliminary design. There is still engineering design work to be completed, along with preparation of public bid documents.

This requested engineering contract will complete the remaining work for DMMF construction to occur. In addition, once construction commences, engineering services during the construction phase are necessary. Following are the tasks covered under this contract, all related to the engineering design and engineering services during construction of the DMMF:

- A. Project management.
- B. Field investigations/data collection.
- C. Preliminary engineering and final design.
- D. Bid/contract documents.
- E. Finalize information needed to obtain permits.
- F. Engineering services during construction.

Once the bid documents are complete, permits obtained, and the District has statutory authority to construct the project, the District will publicly bid the DMMF construction. After the DMMF is constructed, it will be turned over to USEPA, which will oversee filling operations of the DMMF. Once the DMMF is filled, the Port of Milwaukee will operate and maintain the DMMF site.

WDNR and the District currently have entered into an agreement, where WDNR will provide funding to reimburse the District in an amount not to exceed \$650,000 for the consultant to perform design phase services (Tasks A-E above). ~~The District will fund the remaining costs of this contract, along with providing District labor to manage the design and construction phase work.~~

SUMMARY (Cont'd)

Contract M98001D01, Engineering Services, Dredged Material Management Facility

~~The financing and construction of the DMMF by the District is contingent on a State of Wisconsin statutory change to allow the District to participate in financing and construction of the DMMF. The District is currently seeking this statutory authority from the State of Wisconsin legislature.~~

Through the 2022 Capital Budget approval, the Commission is requested to authorize creation of Project M98001, Milwaukee Estuary AOC Dredged Material Management Facility, with a total project cost of \$96,410,000. Award of Contract M98001D01 is contingent on Commission approval of the 2022 Capital Budget ~~and approval of legislation by the State of Wisconsin allowing the District to proceed with this project.~~

After the design work is complete, the ~~District construction contract~~ will be publicly bid ~~the construction contract~~.

The duration for this contract is approximately 44 months.

RESOLUTION

Contract M98001D01, Engineering Services, Dredged Material Management Facility

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute Contract M98001D01, Engineering Services, Dredged Material Management Facility, with Ramboll Americas Engineering Solutions, Inc., in an amount not to exceed \$1,295,911, contingent upon the Commission adoption of the 2022 Capital Budget ~~and approval of legislation by the State of Wisconsin allowing the District to proceed with this project.~~