



**COMMISSION FILE NO:** 21-121-9 **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:** Award of Contract M03113P01, Preliminary Engineering – Disinfection Improvements Water Reclamation Facilities, and Approve Changes in Total Project Cost

**SUMMARY:**

The Commission is requested to award and to direct the Executive Director to execute on behalf of the District Contract M03113P01, Preliminary Engineering – Disinfection Improvements Water Reclamation Facilities, to Arcadis in an amount not to exceed \$898,034. Arcadis was the highest scoring proposer through a qualifications-based selection method between two proposals received.

Further, the Commission is requested to increase the total project cost (TPC) for Project M03113, by \$968,034 for an amended TPC of \$1,168,034 and to make a corresponding change to the TPC for Project M99001, Allowance for Cost and Schedule Changes.

The next iteration of the Wisconsin Pollutant Discharge Elimination System (WPDES) permit, anticipated in 2024, incorporates changes to the test methods and decreases the limits associated with the disinfection process. The 2050 Facilities Plan recommended the continued use of the existing disinfection systems at the Jones Island and South Shore Water Reclamation Facilities (JIWRF and SSWRF), with a subsequent increase in chemical cost, but also recommended that an additional evaluation be performed to verify the recommendation. Project M03113 was originally budgeted to perform the evaluation.

The evaluation was executed by the District, identified that the continued use of the existing technology may result in a substantial increase in cost, and recommended executing a preliminary engineering phase. The purpose of this project is to produce preliminary engineering plans and specifications for disinfection improvements at JIWRF and SSWRF.

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

*OP\_Award\_M03113P01\_WRF\_Disinfection\_legislative\_file.docx*  
08-27-21

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

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

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

Award of Contract M03113P01, Preliminary Engineering – Disinfection Improvements Water Reclamation Facilities, and Approve Changes in Total Project Cost

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The general scope of work for this contract includes assessing the District assets at JIWRf and SSWRF relative to disinfection and the new permit. This includes performing a technology screening, alternatives evaluation, and pilots of the technologies to refine assumptions and verify cost estimates. The project also includes preliminary engineering plans and specification to be used in the design phases of Projects J03006 and S03005.

Under Contract M03113P01, the consultant will perform the following services related to improving the disinfection process at JIWRf and SSWRF:

- Project management.
- Evaluating the existing conditions and conduct a technology screening.
- Performing a pilot of the existing technology to verify cost and performance assumption relative to the new permit.
- Performing a alternatives evaluation to recommend a technology for both Jones Island and South Shore.
- Performing a pilot of the recommended technology to verify cost and performance assumptions.
- Preparing preliminary engineering plans and specifications.

The contract duration is expected to be 52 weeks.

The addition of the preliminary engineering phase to M03113 is more than budgeted, and staff requests an increase to the TPC accordingly.

## RESOLUTION

Award of Contract M03113P01, Preliminary Engineering – Disinfection Improvements Water Reclamation Facilities, and Approve Changes in Total Project Cost

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**RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute Contract M03113P01, Preliminary Engineering – Disinfection Improvements Water Reclamation Facilities, with Arcadis in an amount not to exceed \$898,034.

**FURTHER RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that the total project cost for Project M03113, Preliminary Engineering – Disinfection Improvements Water Reclamation Facilities, is increased by \$968,034 for an amended total project cost of \$1,168,034, and that a corresponding change is made to the total project cost for Project M99001, Allowance for Cost and Schedule Changes.