

COMMISSION FILE NO: 21-131-10 **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: Award of Contract J02015C01, Jones Island Aeration Basin Concrete Rehabilitation

SUMMARY:

The Commission is requested to award and to direct the Executive Director to execute on behalf of the District Contract J02015C01, Jones Island Aeration Basin Concrete Rehabilitation, to Platt Construction, Inc., in the amount of \$3,619,163. Platt Construction, Inc., was the lowest, responsible bidder between two bids received.

The Jones Island Water Reclamation Facility (JIWRF) secondary treatment process includes a total of 32 aeration basins: 12 West Plant and 20 East Plant Aeration Basins. The East Plant Aeration Basins were constructed in 1935 or 1953. Each East Plant Aeration Basin consists of a cast-in-place, reinforced concrete structure approximately 370 feet by 44 feet by 16 feet deep. The basins are divided into two equal parts by a center concrete dividing wall featuring a T-shape structure at the top of the wall. This T-shape structure serves as a walkway between the basins.

The concrete walkways that support the handrails around East Plant Aeration Basins 1, 2, 3, 4, 5, 8, 16, and 19 are deteriorated, resulting in compromised structural support of the handrails. Staff have also observed deteriorated and cracked concrete of the interior walls and floors of the basins, along with exposed steel reinforcement at numerous locations.

The purpose of this project is to extend the useful life of the aeration basins, improve worker safety, reduce the risk of air diffuser damage caused by falling concrete, and rehabilitate deteriorating assets.

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

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COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Award of Contract J02015C01, Jones Island Aeration Basin Concrete Rehabilitation

Under Contract J02015C01, the contractor will:

- Inject concrete cracks with a foam sealant.
- Remove and reinstall handrails.
- Replace deteriorated electrical conduit that is attached to handrails.
- Replace or repair deteriorated concrete sidewalks.
- Restore concrete surfaces using an elastomeric surface coating system.
- Abate asbestos, which was used as part of expansion joint material in the original construction.

This work will ensure continued reliable water reclamation facility operations and will restore the useful service life of the basins by at least 20 years.

The duration for this contract is 735 calendar days.

RESOLUTION

Award of Contract J02015C01, Jones Island Aeration Basin Concrete Rehabilitation

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that Contract J02015C01, Jones Island Aeration Basin Concrete Rehabilitation, is awarded to Platt Construction, Inc., in the amount of \$3,619,163, and that the Executive Director is directed to execute a contract on behalf of the District.