

COMMISSION FILE NO: 21-102-7 **DATE INTRODUCED:** July 12, 2021

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

REFERRED BY COMMISSION CHAIRPERSON TO: Operations Committee

RELATING TO: Contract J06082D01, Engineering Services, Jones Island Water Reclamation Facility Flood Resiliency Improvements

SUMMARY:

The Commission is requested to authorize the Executive Director to execute on behalf of the District Contract J06082D01, Engineering Services, Jones Island Water Reclamation Facility (JIWRF) Flood Resiliency Improvements, with Donohue & Associates, Inc., in an amount not to exceed \$169,793. Donohue & Associates, Inc., was the only proposer for this contract.

From 2019 to 2020, Lake Michigan levels rose to near record high levels. On January 11, 2020, high water levels, combined with very strong north and northeast winds, created a storm surge and flooding conditions at JIWRF. The flooding was associated with both overland water flow and backflow through storm sewers.

The flood waters at JIWRF caused road damage, restricted access, and leaked into underground facilities. Flood waters also came close to entering several above ground facilities through doors. With Lake Michigan levels continuing to rise and climate change creating additional risks of strong storms, in 2020, the District developed Project J06082 to address the flood vulnerability of JIWRF. The purpose of Project J06082 is to reduce the risk of damage to equipment and buildings and to ensure workers' access and safety due to Lake Michigan storm surges.

In 2020, using an on-call engineering contract, the District evaluated the flooding and identified various improvements to reduce flood related risks and damages.

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 J06082D01, Engineering Services, Jones Island Water Reclamation Facility Flood Resiliency Improvements

Under Contract J06082D01, the consultant will perform the following services related to improving the flood resiliency of JIWRP:

- Project management.
- Final engineering and design of the following previously identified improvements:
 - Modifications to stop water intrusion into buildings, manholes and tunnels.
 - Floodproofing entrances to three separate facilities.
 - Backflow prevention devices at nine stormwater outfalls.
- Prepare final plans, specifications, and bid documents.
- Bid and award services.
- Engineering services during construction.

After the design work is complete under this contract, the District will publicly bid the construction contract.

The duration for this contract is approximately 29 months.

RESOLUTION

Contract J06082D01, Engineering Services, Jones Island Water Reclamation Facility
Flood Resiliency Improvements

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute Contract J06082D01, Engineering Services, Jones Island Water Reclamation Facility Flood Resiliency Improvements, with Donohue & Associates, Inc., in an amount not to exceed \$169,793.