

ELECTRONIC PACKET

March 8, 2021 OPERATIONS COMMITTEE MEETING

RELEASED: Monday, March 1, 2021



Milwaukee Metropolitan Sewerage District

260 West Seeboth
Street
Milwaukee, WI
53204

Meeting Agenda Operations Committee

John Swan, III, Chair
Bryan L. Kennedy, Ph.D., Vice Chair
Dan Bukiewicz, LaTonya Johnson, Kris Martinsek
Dan Devine, Ex-Officio

Monday, March 8, 2021

9:00 AM

Teams Online Meeting/Conference Call

NOTICE IS HEREBY GIVEN, pursuant to Section 19.84, Wisconsin Statutes, that the Milwaukee Metropolitan Sewerage District's Operations Committee will hold its regularly scheduled public meeting on Monday, March 8, 2021, at 9:00 a.m. via Teams online meeting. The weblink to access this meeting is <https://tinyurl.com/y8kpwjok>; telephone dial-in is available through 414.909.9127, access code 874 182 41#.

PURSUANT TO SECTION 19.85(1)(g), Wisconsin Statutes, the Committee reserves the right to go into Closed Session on any item on the public portion of the agenda to confer with Legal Counsel when it appears the matter may involve the District in litigation. If the Committee does convene in such a Closed Session, it is contemplated that the Committee will again, before adjourning the meeting, reconvene at the same place in Open Session at which time the Committee may act upon any item(s) considered in the Closed Session and upon any unfinished items from the regular agenda.

CALL TO ORDER

RECORD ROLL

Approval of Proceedings of Regular Committee Meeting held February 8, 2021

ORGANIZATION & ADMINISTRATION

21-001-1 EXECUTIVE DIRECTOR'S REPORT

- A. Monthly Reports
- B. Green Luminaries (Bre Plier)

NEW BUSINESS

- 1 **21-025-3** Award of Contract J01013C01, Preliminary Treatment Electrical Upgrade at Jones Island Water Reclamation Facility, Approve Changes in Total Project Cost, and Restore the Executive Director's Original Delegated Authority, Contract J01013D01

- 2 **21-026-3** Award of Contract J04038C01, Jones Island Water Reclamation Facility Waste Heat Isolation and Flow Control Valve Replacement, and Approve Changes in Total Project Cost
- 3 **21-027-3** Award of Contract J04061C01, Programmable Logic Control 5 Upgrade in the Dewatering and Drying Facility, and Approve Changes in Total Project Cost
- 4 **21-028-3** Contract S01013D01, Engineering Services - South Shore Water Reclamation Facility Primary Clarification Upgrade
- 5 **21-029-3** Change Order Request, Contract TS-2667, General On-Call Engineering Services - Water Reclamation Facilities, Restore the Executive Director's Original Delegated Authority, and Approve Changes in Total Project Cost, Project S02017
- 6 **21-030-3** Contract C05055D01, Engineering Services - North 35th Street and West Roosevelt Drive Improvements Project
- 7 **21-031-3** Contract TS-2682, On-Call Construction Services for Sewer Repair and Rehabilitation Projects
- 8 **21-032-3** Contract TS-2683, On-Call Levee System Engineering and Accreditation Services, Project W20033
- 9 **21-033-3** Approval of Funding Agreement M10005WE01 Under Project M10005, 2021 City of West Allis Private Property Infiltration and Inflow Reduction Project

ADJOURNMENT

PLEASE NOTE: Upon reasonable notice, efforts will be made to accommodate the needs of disabled individuals through sign language interpreters or other auxiliary aids. For additional information or to request these services, contact the Office of the Commission at 414.225.2264, (FAX) 414.277.6360 or write to Office of the Commission, 260 W. Seeboth Street, Milwaukee, Wisconsin, 53204-1446.



Anna Kettlewell, Commission Secretary
Milwaukee Metropolitan Sewerage District



Milwaukee Metropolitan Sewerage District

260 West
Seeboth Street
Milwaukee, WI
53204

Meeting Minutes Operations Committee

John Swan, III, Chair
Bryan L. Kennedy, Ph.D., Vice Chair
Dan Bukiewicz, LaTonya Johnson, Kris Martinsek
Dan Devine, Ex-Officio

Monday, February 8, 2021

9:00 AM

Teams Online Meeting/Conference Call

CALL TO ORDER

Committee Chair Commissioner Swan called the meeting to order at 9:00 a.m.

RECORD ROLL

Present 6 - Dan Bukiewicz, LaTonya Johnson, Bryan L. Kennedy Ph.D., Kris Martinsek, John Swan III, and Dan Devine

Other Commissioners Present: Tim Carpenter, Chantia Lewis, Eugene Manzanet, Jeff Stone, and Corey Zetts.

Approval of Proceedings of Regular Committee Meeting held January 11, 2021

A motion was made by Commissioner Kennedy, seconded by Commissioner Devine. The motion carried by the following roll call vote:

Yes: 6 - Commissioner Bukiewicz, Commissioner Johnson, Commissioner Kennedy Ph.D., Commissioner Martinsek, Commissioner Swan III and Commissioner Devine

No: 0

NEW BUSINESS

Items 1-8 were taken as a block.

1 21-013-2

Authorizing the Executive Director to Execute a Purchase Order for Material Capital Repair or Replacement No. 1332, DC0309 and DC0507 Gate Cylinders, Project C98055

The Committee received a PowerPoint presentation from Michael Martin, Director of Technical Services.

A motion was made by Commissioner Martinsek, seconded by Commissioner Kennedy, that this matter be approved by a roll call vote. The motion carried by the following roll call vote:

Yes: 6 - Commissioner Bukiewicz, Commissioner Johnson, Commissioner Kennedy Ph.D., Commissioner Martinsek, Commissioner Swan III and Commissioner Devine

No: 0

- 2 21-014-2 Change Order Request, Purchase Order No. 11398, Material Capital Repair or Replacement No. 1364, Jones Island Water Reclamation Facility Bar Screen #3 Repairs, and Restore the Executive Director's Delegated Authority

The Committee received a PowerPoint presentation from Michael Martin, Director of Technical Services.

A motion was made by Commissioner Martinsek, seconded by Commissioner Kennedy, that this matter be approved by a roll call vote. The motion carried by the following roll call vote:

Yes: 6 - Commissioner Bukiewicz, Commissioner Johnson, Commissioner Kennedy Ph.D., Commissioner Martinsek, Commissioner Swan III and Commissioner Devine

No: 0

- 3 21-015-2 Restore Executive Director's Original Delegated Authority, Contract J04067C01, Dewatering and Drying South Cake Loadout Addition at Jones Island Water Reclamation Facility

The Committee received a PowerPoint presentation from Michael Martin, Director of Technical Services.

A motion was made by Commissioner Martinsek, seconded by Commissioner Kennedy, that this matter be approved by a roll call vote. The motion carried by the following roll call vote:

Yes: 6 - Commissioner Bukiewicz, Commissioner Johnson, Commissioner Kennedy Ph.D., Commissioner Martinsek, Commissioner Swan III and Commissioner Devine

No: 0

- 4 21-016-2 Authorizing the Executive Director to Execute a Purchase Order for Material Capital Repair or Replacement No. 1321, South Shore Water Reclamation Facility Flow Control Structure Repairs, Project S06038

The Committee received a PowerPoint presentation from Michael Martin, Director of Technical Services.

A motion was made by Commissioner Martinsek, seconded by Commissioner Kennedy, that this matter be approved by a roll call vote. The motion carried by the following roll call vote:

Yes: 6 - Commissioner Bukiewicz, Commissioner Johnson, Commissioner Kennedy Ph.D., Commissioner Martinsek, Commissioner Swan III and Commissioner Devine

No: 0

- 5 21-017-2 Award of Contract S06045C06, Scum Concentrator Overhaul and Scum Press Replacement at South Shore Water Reclamation Facility
- The Committee received a PowerPoint presentation from Michael Martin, Director of Technical Services.*
- A motion was made by Commissioner Martinsek, seconded by Commissioner Kennedy, that this matter be approved by a roll call vote. The motion carried by the following roll call vote:**
- Yes:** 6 - Commissioner Bukiewicz, Commissioner Johnson, Commissioner Kennedy Ph.D., Commissioner Martinsek, Commissioner Swan III and Commissioner Devine
- No:** 0
-
- 6 21-018-2 Authorizing the Executive Director to Execute a Purchase Order for Material Capital Repair or Replacement Nos. 1319, 1368, 1374, 1376, and 1400, South Shore Water Reclamation Facility Sump Pump System Replacements
- The Committee received a PowerPoint presentation from Michael Martin, Director of Technical Services.*
- A motion was made by Commissioner Martinsek, seconded by Commissioner Kennedy, that this matter be approved by a roll call vote. The motion carried by the following roll call vote:**
- Yes:** 6 - Commissioner Bukiewicz, Commissioner Johnson, Commissioner Kennedy Ph.D., Commissioner Martinsek, Commissioner Swan III and Commissioner Devine
- No:** 0
-
- 7 21-019-2 Change Order Request, Contract W20028D01, Engineering Services - Western Milwaukee Flood Management Project - Phase 2B, and Restore the Executive Director's Original Delegated Authority
- The Committee received a PowerPoint presentation from Michael Martin, Director of Technical Services.*
- A motion was made by Commissioner Martinsek, seconded by Commissioner Kennedy, that this matter be approved by a roll call vote. The motion carried by the following roll call vote:**
- Yes:** 6 - Commissioner Bukiewicz, Commissioner Johnson, Commissioner Kennedy Ph.D., Commissioner Martinsek, Commissioner Swan III and Commissioner Devine
- No:** 0

- 8 21-020-2 Award of Contract W40009D02, Deconstruction of We Energies South Service Center at 2425 South 35th Street, and Approve Changes in Total Project Costs

The Committee received a PowerPoint presentation from Michael Martin, Director of Technical Services.

Commissioner Martinsek questioned how the District determined the 80% salvage/recycle benchmark in deconstruction contracts.

A motion was made by Commissioner Martinsek, seconded by Commissioner Kennedy, that this matter be approved by a roll call vote. The motion carried by the following roll call vote:

Yes: 6 - Commissioner Bukiewicz, Commissioner Johnson, Commissioner Kennedy Ph.D., Commissioner Martinsek, Commissioner Swan III and Commissioner Devine

No: 0

ORGANIZATION & ADMINISTRATION

21-001-1 EXECUTIVE DIRECTOR'S REPORT

A. Monthly Reports

A. No report.

ADJOURNMENT

It was moved by Commissioner Bukiewicz, seconded by Commissioner Johnson, to adjourn. The motion carried by a unanimous roll call vote.

As there was no further business, the meeting was adjourned at 9:41 a.m.



Anna Kettlewell, Commission Secretary
Milwaukee Metropolitan Sewerage District

OPERATIONS COMMITTEE MEETING

March 8, 2021

EXECUTIVE DIRECTOR'S REPORT

21-001-01

- A. Monthly Reports**
- B. Green Luminaries (Bre Plier)**



COMMISSION FILE NO: 21-025-3 **DATE INTRODUCED:** March 8, 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 J01013C01, Preliminary Treatment Electrical Upgrade at Jones Island Water Reclamation Facility, Approve Changes in Total Project Cost, and Restore the Executive Director’s Original Delegated Authority, Contract J01013D01

SUMMARY:

The Commission is requested to award and to direct the Executive Director to execute on behalf of the District Contract J01013C01, Preliminary Treatment Electrical Upgrade at Jones Island Water Reclamation Facility (JIWRF), to Pieper Electric, Inc., in the amount of \$4,754,085. Pieper Electric, Inc., was the lowest responsible, responsive bidder among three bids received.

Further, the Commission is requested to decrease the total project cost (TPC) for Project J01013, Preliminary Facility Electrical Upgrade, by \$1,067,010 for an amended TPC of \$6,040,000 and to make a corresponding change to the TPC for Project J99001, Allowance for Cost and Schedule Changes.

Further, the Commission is requested to restore the Executive Director’s original delegated authority for Contract J01013D01, Engineering Services – Preliminary Treatment Electrical Upgrade at Jones Island Water Reclamation Facility.

The Preliminary Treatment Building at JIWRF contains the following equipment:

- Influent screens
- High and low level screw pumps
- Grit processing equipment
- Heating and ventilation equipment
- Electrical equipment to distribute and control power
- Lighting
- Ancillary support equipment

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

*OP_Award_J01013C01_Prelim_Electrical_Upgrade_legislative_file.docx
02-04-21*

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Award of Contract J01013C01, Preliminary Treatment Electrical Upgrade at Jones Island Water Reclamation Facility, Approve Changes in Total Project Cost, and Restore the Executive Director's Original Delegated Authority, Contract J01013D01

The Preliminary Treatment Building was designed and constructed in the early 1980's, prior to the first edition of National Fire Protection Association (NFPA) 820 "Standard for Fire Protection in Wastewater Treatment and Collection Facilities" in 1990. NFPA 820 establishes standards for "construction, ventilation, and electrical installation in wastewater facilities for protection against fire and explosion hazards." Although the Wisconsin Administrative Code has not adopted NFPA 820 as a reference standard, NFPA 820 is widely accepted by engineering professionals as a guide for the design and construction of wastewater facilities. There are several areas in the Preliminary Treatment Building that do not presently meet the standard, as they were designed and constructed prior to the standard being in place.

In addition, some of the electrical equipment within the facility is over 30 years old and is nearing the end of its useful service life. To reduce safety risks and to replace aging equipment, staff recommends updating and replacing various electrical equipment and ancillary assets within the Preliminary Treatment Facility.

Under Contract J01013C01, the contractor will:

- Remove and replace:
 - Five motor control centers: 203-MCC-1, 2, 5, 6, and 9,
 - Motors for screw pumps, water pumps, and lubrication oil pumps,
 - Screw pump motor conduits and conductors,
 - Control stations,
 - Gate actuators,
 - Light fixtures,
 - Three bridge cranes, and
 - The gas detection system.
- Provide new electrical rooms and separation vestibules to meet the NFPA 820 standard.
- Provide new panelboards and low voltage distribution equipment.

The contract duration is 705 calendar days.

The low bid received by the District is less than budgeted, and staff requests to decrease the TPC accordingly.

SUMMARY (Cont'd)

Award of Contract J01013C01, Preliminary Treatment Electrical Upgrade at Jones Island Water Reclamation Facility, Approve Changes in Total Project Cost, and Restore the Executive Director's Original Delegated Authority, Contract J01013D01

In February 2019, the District awarded Contract J01013D01, Engineering Services – Preliminary Treatment Electrical Upgrade at Jones Island Water Reclamation Facility, to Donohue & Associates, Inc., in an amount not to exceed \$392,996. The scope of Contract J01013D01 includes engineering design services, developing construction bid documents, bid and award services, and engineering services during construction, all related to contract J01013C01.

For engineering services contracts under \$500,000, the Commission has delegated to the Executive Director the authority to make changes up to \$50,000. To date, the Executive Director has utilized \$48,690 of this authority, leaving a balance of \$1,310. The request to restore the Executive Director's authority is in case any additional engineering services are needed.

RESOLUTION

Award of Contract J01013C01, Preliminary Treatment Electrical Upgrade at Jones Island Water Reclamation Facility, Approve Changes in Total Project Cost, and Restore the Executive Director's Original Delegated Authority, Contract J01013D01

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that Contract J01013C01, Preliminary Treatment Electrical Upgrades at Jones Island Water Reclamation Facility, is awarded to Pieper Electric, Inc., in the amount of \$ 4,754,085, and that the Executive Director is directed to execute a contract on behalf of the District.

FURTHER RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the total project cost for Project J01013, Preliminary Facility Electrical Upgrade, is decreased by \$1,067,010 for an amended total project cost of \$6,040,000, and that a corresponding change is made to the total project cost for Project M99001, Allowance for Cost and Schedule Changes.

FURTHER RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director's original delegated authority is restored on Contract J01013D01, Engineering Services – Preliminary Treatment Electrical Upgrade at Jones Island Water Reclamation Facility.



Capital Budget Fiscal Note Total Project Cost

RELATING TO:

Award of Contract J01013C01, Preliminary Treatment Electrical Upgrade at Jones Island Water Reclamation Facility, Approve Changes in Total Project Cost, and Restore the Executive Director's Original Delegated Authority, Contract J01013D01

Capital Project Number(s)

J01013

Impact of Requested Action on Total Project Cost:

Increase

Decrease

New Project

No Change

Total Project Cost Analysis

Adopted 2021 Total Project Cost
Previously Approved Changes
Approved Total Project Cost
Requested Total Project Cost
Requested (Increase)/Decrease

Project Costs

\$7,107,010
\$0
\$7,107,010
\$6,040,000
\$1,067,010

Action to be taken to Long-Range Financing Plan to address Total Project Cost change

_____ Transfer from Allowance for Cost and Schedule Changes
_____ Transfer from another project (specify in comments)
_____ Delay Project(s) (specify in comments)
_____ Delete Project(s) (specify in comments)
_____ Other _____
_____ x Transfer to Allowance for Cost and Schedule Changes

Comments

The low bid received by the District is less than budgeted, and staff requests to decrease the TPC accordingly.

Budget Review by:

Theresa Zwieg

Date:

2/1/2021

ECONOMIC DEVELOPMENT ELEMENTS

Workforce Requirements

Sanitary Sewer Service Area (SSSA) Employment:	<u>45%</u>
Target Area (TA) Employment:	<u>20%</u>
# Apprentices Required:	<u>3</u>

OUTREACH INFORMATION

The Procurement team performed the following outreach: advertised in the Daily Reporter, sent an e-mail notification to all registered firms in the general construction category, sent targeted e-mails to potential prime bidders and SWMBE firms, and notified the various local chambers of commerce. The bid opportunity is also publicly accessible from the MMSD website and Quest CDN. Quest CDN also performs outreach to its users when a bid is posted.

S/W/MBE Planholders:

Enhanced Automation
Flygt A Xylem Brand
Platt Construction, Inc.
Energenecs, Inc
Sabel Mechanical
Allcon LLC

If no or low S/W/MBE participation, explain why:

NA

Additional Comments:

NA

AWARDEE INFORMATION

Company:	<u>Pieper Electric, Inc.</u>
Contact Person:	<u>Tom Scherer</u>
Phone Number:	<u>(414) 462-7700</u>
E-mail Address:	<u>tom.scherer@pieperpower.com</u>

EEO DATA

5477 S. Westridge Court, New
Location: Berlin, WI 53151

Total # of Employees 1,353

	<u>Total</u>	<u>%</u>
Minorities	75	5.5%
African American	23	1.7%
Asian	6	0.4%
Hispanic	46	3.4%
Native American	0	0.0%

	<u>Total</u>	<u>%</u>
Females	104	7.7%
African American	3	0.2%
Asian	0	0.0%
Hispanic	8	0.6%
Native American	0	0.0%

Labor Market Availability - Minorities 22.0%

*Labor Market Availability -
Females* 49.0%



COMMISSION FILE NO: 21-026-3 **DATE INTRODUCED:** March 8, 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 J04038C01, Jones Island Water Reclamation Facility Waste Heat Isolation and Flow Control Valve Replacement, 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 J04038C01, Jones Island Water Reclamation Facility (JIWRF) Waste Heat Isolation and Flow Control Valve Replacement, to Butters-Fetting Company, Inc., in the amount of \$2,558,189. Butters-Fetting was the lowest responsible, responsive bidder among four bids received.

Further, the Commission is requested to decrease the total project cost (TPC) for Project J04038, Drying and Dewatering (D&D) Dryers Guillotine Gate Replacement, by \$991,811 for an amended TPC of \$3,534,543 and to make a corresponding change to the TPC of Project M99001, Allowance for Cost and Schedule Changes.

The D&D Facility at JIWRF has been in service since 1994. A total of 12 Milorganite® dryers utilize a combination of natural gas, landfill gas, and waste heat from the JIWRF turbines to supply heat to the dryers. The dryer waste heat isolation and flow control valves isolate and modulate the waste heat supplied to each dryer. The isolation valves allow for safe entry into dryers that are out of service, and the flow control valves are used to modulate the flow of waste heat to each dryer. Most equipment is original to the building.

The isolation and flow control valves have reached the end of their service lives. The isolation valves have experienced seal, actuator, and bearing problems, preventing them from closing properly. The flow control valves have experienced wear and spring failures. The flow control valves periodically stick when called to open and the valve actuators are obsolete and repair or replacement parts are difficult to obtain.

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

OP_Award_J04038C01_Valve_Replacement_legislative_file.docx
02-04-21

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Award of Contract J04038C01, Jones Island Water Reclamation Facility Waste Heat Isolation and Flow Control Valve Replacement, and Approve Changes in Total Project Cost

The purpose of this project is to restore operational reliability of the D&D waste heat control system. Under Contract J04038C01, the contractor will:

- Replace the following equipment with new:
 - 12 existing waste heat isolation valves, seal air blowers, seal air isolation valves, and seal air ductwork.
 - 12 existing waste heat flow control valves.
 - Existing electrical conduits and conductors.
- Make modifications and improvements to:
 - Mechanical systems and waste heat ductwork associated with the isolation and flow control valve replacements.
 - Existing power distribution panels.
- Modify isolation and flow control valve control system to remove existing local control panels and transfer control responsibilities to existing dryer control panels.
- Paint new equipment.

The low bid received is less than budgeted, and staff requests to decrease the TPC accordingly.

The duration for this contract is 807 calendar days.

RESOLUTION

Award of Contract J04038C01, Jones Island Water Reclamation Facility Waste Heat Isolation and Flow Control Valve Replacement, and Approve Changes in Total Project Cost

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that Contract J04038C01, Jones Island Water Reclamation Facility Waste Heat Isolation and Flow Control Valve Replacement, is awarded to Butters-Fetting Company, Inc., in the amount of \$2,558,189, and that the Executive Director is directed to execute a contract on behalf of the District.

FURTHER RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the total project cost for Project J04038, Drying and Dewatering Dryers Guillotine Gate Replacement, is decreased by \$991,811 for an amended total project cost of \$3,534,543, and that a corresponding change is made to the total project cost for Project M99001, Allowance for Cost and Schedule Changes.



Capital Budget Fiscal Note
Total Project Cost

RELATING TO:

Award of Contract J04038C01, Jones Island Water Reclamation Facility Waste Heat Isolation and Flow Control Valve Replacement, and Approve Changes in Total Project Cost

Capital Project Number(s)	Impact of Requested Action on Total Project Cost:
<u>J04038</u>	<input type="checkbox"/> Increase <input checked="" type="checkbox"/> Decrease <input type="checkbox"/> New Project <input type="checkbox"/> No Change

<u>Total Project Cost Analysis</u>	<u>Project Costs</u>
Adopted 2021 Total Project Cost	\$4,526,354
Previously Approved Changes	\$0
Approved Total Project Cost	\$4,526,354
Requested Total Project Cost	\$3,534,543
Requested (Increase)/Decrease	\$991,811

Action to be taken to Long-Range Financing Plan to address Total Project Cost change	
_____	Transfer from Allowance for Cost and Schedule Changes
_____	Transfer from another project (specify in comments)
_____	Delay Project(s) (specify in comments)
_____	Delete Project(s) (specify in comments)
_____	Other _____
_____	<input checked="" type="checkbox"/> Transfer to Allowance for Cost and Schedule Changes

Comments
 The low bid received by the District for Contract J04038C01 is less than budgeted, and staff requests to decrease the TPC accordingly.

Budget Review by:	Date:
<u>Theresa Zwieg</u>	<u>2/1/2021</u>

Award of Contract J04038C01, Jones Island Water Reclamation Facility Waste Heat Isolation and Flow Control Valve Replacement, and Approve Changes in Total Project Cost



Procurement & S/W/MBE Summary Information

Contract # J04038C01

Cost Center: ENG

Jones Island Water Reclamation Facility Waste Heat Isolation and Flow Control Valve Replacement

BID SUMMARY

Bid Opening Date: 1/20/2021

	Total	SWMBE	Local
# of Bids	4	0	2
# of Responsive Bids	3	0	1

Bidders	Price	Responsive?	Responsible?	% Sub	% SWMBE
Butters-Fetting Co., Inc. Milwaukee, WI 53204	\$2,558,189.00	Responsive	Responsible	31.2%	2.6%
Lee Plumbing Mechanical Contractors, Inc. Kenosha, WI 53140	\$2,695,500.00	Responsive	Responsible	38.5%	6.5%
J.F. Ahern Co. Fond du Lac, WI 54935	\$2,827,000.00	Responsive	Responsible	18.9%	5.9%
Doral Corporation Milwaukee, WI 53207	\$3,140,000.00	Not Reviewed	Not Reviewed	Not provided	9.0%

SUBCONTRACTOR INFORMATION

Type	Subcontractor Name	Type of Work	%	Amount
MBE	P.L. Freeman Co., Inc. Brookfield, WI 53045	Plant piping, air piping	1.6%	\$40,425.00
MBE	Thomas A. Mason Co., Inc. Milwaukee, WI 53212	Painting	0.7%	\$16,725.00
WBE	Vyron Corporation Waukesha, WI 53188	HVAC	0.4%	\$9,450.00
Non-SWMBE	Doral Corporation Milwaukee, WI 53207	Fabrication and rigging	14.3%	\$365,349.00
Non-SWMBE	Insulation Industries Inc. Oconomowoc, WI 53066	Insulation	7.1%	\$181,000.00
Non-SWMBE	Pieper Power New Berlin, WI 53151	Electrical and control	7.2%	\$185,000.00

ECONOMIC DEVELOPMENT ELEMENTS

Workforce Requirements

Sanitary Sewer Service Area (SSSA) Employment:	<u>45%</u>
Target Area (TA) Employment:	<u>20%</u>
# Apprentices Required:	<u>2</u>

OUTREACH INFORMATION

The Procurement team performed the following outreach: advertised in the Daily Reporter and sent an e-mail notification to all registered firms in the Construction category. The bid opportunity is also publicly accessible from the MMSD website and Quest CDN. Quest CDN also performs outreach to its users when a bid is posted.

S/W/MBE Planholders:

Belonger Corporation; Zien Mechanical Contractors

If no or low S/W/MBE participation, explain why:

The prime sought SWMBE participation for painting, HVAC, and piping. Quotes were accepted from three of the four SWMBE firms who responded.

Additional Comments:

n/a

AWARDEE INFORMATION

Company:	<u>Butters-Fetting Co., Inc.</u>
Contact Person:	<u>Dan Norton</u>
Phone Number:	<u>(414) 649-2151</u>
E-mail Address:	<u>dnorton@butfetting.com</u>

EEO DATA

	1669 S. First Street				
Location:	<u>Milwaukee, WI 53204</u>		Total # of Employees	<u>256</u>	
	<u>Total</u>	<u>%</u>		<u>Total</u>	<u>%</u>
Minorities	<u>22</u>	<u>8.6%</u>	Females	<u>17</u>	<u>6.6%</u>
Asian	<u>0</u>	<u>0.0%</u>	Asian	<u>0</u>	<u>0.0%</u>
Black or African American	<u>5</u>	<u>2.0%</u>	Black or African American	<u>0</u>	<u>0.0%</u>
Hispanic or Latino	<u>14</u>	<u>5.5%</u>	Hispanic or Latino	<u>1</u>	<u>0.4%</u>
Native American	<u>3</u>	<u>1.2%</u>	Native American	<u>0</u>	<u>0.0%</u>
Other Minority	<u>0</u>	<u>0.0%</u>	Other Minority	<u>0</u>	<u>0.0%</u>
	<i>Labor Market Availability - Minorities</i>	<u>22.0%</u>		<i>Labor Market Availability - Females</i>	<u>49.0%</u>



COMMISSION FILE NO: 21-027-3 **DATE INTRODUCED:** March 8, 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 J04061C01, Programmable Logic Control 5 Upgrade in the Dewatering and Drying Facility, 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 J04061C01, Programmable Logic Control (PLC) 5 Upgrade in the Dewatering and Drying (D&D) Facility, to Allan Integrated Control Systems, Inc., (AICS) in the amount of \$1,499,642. AICS was the lowest responsible, responsive bidder among four bids received.

Further, the Commission is requested to decrease the total project cost (TPC) for Project J04061, D&D PLC 5 Upgrades, by \$2,876,379 for an amended TPC of \$5,021,660 and to make a corresponding change to the TPC for Project M99001, Allowance for Cost and Schedule Changes.

The District's D&D Facility houses equipment utilized to produce Milorganite®. Twenty-four belt filter presses dewater plant sludges, and 12 rotary dryers dry the dewatered sludge. Dried solids are classified using screens and mills to create a consistent Milorganite® product size. Product is cooled and placed into storage bins to await transport to the Milorganite® Storage Building. The D&D Facility also contains conveyors, bucket elevators, holding tanks, air emissions equipment, and other supporting systems. The D&D Facility has been in use since 1994.

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

*OP_Award_J04061C01_Dewatering_and_Drying_PLC5_Upgrade_legislative_file.docx
02-18-21*

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Award of Contract J04061C01, Programmable Logic Control 5 Upgrade in the Dewatering and Drying Facility, and Approve Changes in Total Project Cost

Approximately 66 PLC's are distributed throughout the D&D Facility and provide localized control of equipment. A PLC is an industrial computer designed specifically for the control of manufacturing processes in challenging environments. The existing set of PLC's (Allen Bradley PLC5) were installed in 1994. Rockwell Automation, the parent company of Allen Bradley, announced that the PLC5 product line has reached its end of life; they have discontinued manufacturing new parts, and equipment repair will depend solely upon existing parts inventory. This creates a situation where, without replacement, the District's D&D control system will ultimately be unable to control the D&D Facility.

It is critical that PLC control equipment be functional and maintainable for the continued operation of the D&D Facility. The purpose of this project is to replace the existing PLC5 control platform and accompanying control equipment with a modern, serviceable control platform and equipment. The improved functionality of the new control equipment will provide enhanced performance, fault tolerance, and safety.

Under Contract J04061C01, the contractor will:

- Upgrade 60 PLC5's to Allen Bradley ControlLogix PLC's.
- To improve the capability of the existing PLC communication network, upgrade network switches and cabling.
- Replace existing alarm annunciators with human/machine interface panels.
- Provide hardware and programming enhancements to improve operator control, visibility, fault tolerance, and safety.
- Provide control system integration, testing, commissioning, startup, training and documentation.

Upgrades to the remaining six PLC's in the D&D Facility are included with other projects that are replacing their PLC controlled equipment.

The duration of this contract is 3.75 years.

The low bid received by the District is less than budgeted, and staff requests to decrease the TPC accordingly.

RESOLUTION

Award of Contract J04061C01, Programmable Logic Control 5 Upgrade in the Dewatering and Drying Facility, and Approve Changes in Total Project Cost

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that Contract J04061C01, Programmable Logic Control 5 Upgrade in the Dewatering and Drying Facility, is awarded to Allan Integrated Control Systems, Inc., in the amount of \$1,499,642, and that the Executive Director is directed to execute a contract on behalf of the District.

FURTHER RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the total project cost for Project J04061, D&D Programmable Logic Control 5 Upgrades, is decreased by \$2,876,379 for an amended total project cost of \$5,021,660, and that a corresponding change is made to the total project cost for Project M99001, Allowance for Cost and Schedule Changes.

OUTREACH INFORMATION

The Procurement team performed the following outreach: advertised in the Daily Reporter, sent an e-mail notification to all registered firms in the Construction and Demolition categories, and sent targeted e-mails to SWMBE firms. The bid opportunity is also publicly accessible from the MMSD website and Quest CDN. Quest CDN also performs outreach to its users when a bid is posted.

S/W/MBE Planholders:

SOAP Engineering, Enhanced Automation, Engineering Specialists, EZSoft, Energenecs, Inc, Flygt A Xylem Brand, Allan Integrated Control Systems, Inc., MG Automation, Inc., Superior Engineering, LLC, HPI Energy Services, LLC

If no or low S/W/MBE participation, explain why:

NA

Additional Comments:

- (2) Apprentices shall be employed when journeymen are employed;
- (2) Interns, working 400 hours each, shall be employed from within the Target Area

AWARDEE INFORMATION

Company: Allan Integrated Control Systems, Inc.
 Contact Person: Ted Zess
 Phone Number: (262) 642-7800
 E-mail Address: tzess@allan-ics.com

EEO DATA

Location:	<u>2021 Beulah Avenue, East Troy, WI 53120</u>	Total # of Employees	<u>13</u>
	<u>Total</u>	<u>%</u>	
Minorities	<u>0</u>	<u>0.0%</u>	
African American	<u>0</u>	<u>0.0%</u>	
Asian	<u>0</u>	<u>0.0%</u>	
Hispanic	<u>0</u>	<u>0.0%</u>	
Native American	<u>0</u>	<u>0.0%</u>	
	<u>Total</u>	<u>%</u>	
Females	<u>2</u>	<u>15.4%</u>	
African American	<u>0</u>	<u>0.0%</u>	
Asian	<u>0</u>	<u>0.0%</u>	
Hispanic	<u>0</u>	<u>0.0%</u>	
Native American	<u>0</u>	<u>0.0%</u>	
<i>Labor Market Availability - Minorities</i>		<u>22.0%</u>	
<i>Labor Market Availability - Females</i>		<u>49.0%</u>	



COMMISSION FILE NO: 21-028-3 **DATE INTRODUCED:** March 8, 2021

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

REFERRED BY COMMISSION CHAIRPERSON TO: Operations Committee

RELATING TO: Contract S01013D01, Engineering Services – South Shore Water Reclamation Facility Primary Clarification Upgrade

SUMMARY:

The Commission is requested to authorize the Executive Director to execute on behalf of the District Contract S01013D01, Engineering Services – South Shore Water Reclamation Facility (SSWRF) Primary Clarification Upgrade, with Black & Veatch, Inc., in an amount not to exceed \$1,619,093. Black & Veatch, Inc., was the highest scoring proposer through a qualifications-based selection method among five proposals received.

Primary clarification is a key unit process used to remove biological oxygen demand (BOD) and total suspended solids from the influent wastewater stream. The primary clarification system consists of:

- Sixteen 160-foot-long by 40-foot-wide by 10-foot-deep rectangular primary clarifiers.
- Sludge removal equipment, with each basin having two chain and flight sludge collectors (one longitudinal and one transverse). The chain and flight collectors also move scum to the scum removal system.
- Primary scum collection and pumping equipment.
- A control system.

The purpose of this project is to improve the reliability and performance of the primary clarifier system both in the near term and to meet future primary clarifier performance goals as outlined in the 2050 Facilities Plan (FP). The primary clarifiers originally went into service in 1968. Equipment has been replaced since then, with most equipment being installed nearly 20 years ago. This equipment is nearing the end of its useful life. The existing equipment has experienced warped scum beaches, warped and misaligned longitudinal and transverse collectors, and corroded drives.

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

*OP_Award_S01013D01_Primary_Clarifier_Rehab_legislative_file.docx
02-15-21*

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Contract S01013D01, Engineering Services – South Shore Water Reclamation Facility Primary Clarification Upgrade

To ensure long term plant performance under projected future loadings, the FP evaluated ways to achieve plant performance goals. For the primary clarification process, the FP recommended using chemically enhanced primary treatment (CEPT) to achieve a desired 50% BOD removal rate. Changing to CEPT would result in the need to make modifications and operational changes to the existing system.

Under Contract S01013D01, the consultant will perform the following services, all related to the primary clarifier system:

- Project management
- Engineering evaluations, identifying and evaluating alternatives, and recommending system modifications, replacements, or improvements to achieve project goals.
- Designing the recommended modifications, replacements, or improvements, including replacement of the primary clarifier mechanisms.
- Preparing final plans and specifications.
- Bid and award services.
- Engineering services during construction.
- Developing operation and maintenance manuals, training, and start-up.
- Applications engineering.

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

The duration for this contract is approximately 77 months.

RESOLUTION

Contract S01013D01, Engineering Services – South Shore Water Reclamation Facility
Primary Clarification Upgrade

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute Contract S01013D01, Engineering Services – South Shore Water Reclamation Facility Primary Clarification Upgrade, with Black & Veatch, Inc., in an amount not to exceed \$1,619,093.

Contract S01013D01, Engineering Services – South Shore Water Reclamation Facility Primary Clarification Upgrade



Procurement & S/W/MBE Summary Information

Contract # S01013D01 **Cost Center:** ENG

Engineering Services - South Shore Water Reclamation Facility Primary Clarification Upgrade

PROPOSAL SUMMARY

Proposal Receipt Date: 12/1/2020

	Total	SWMBE	Local	
# of Proposals	5	0	4	
# of Acceptable Proposals	2	0	2	

Proposals (listed by rank)	Negotiated Price	Acceptable?	% Sub	% SWMBE
	<i>Submitted Price</i>			
Black & Veatch Corp. Milwaukee, WI 53202	\$1,619,093.00 \$1,619,093.00	Acceptable	25.3%	25.3%
Arcadis U.S., Inc. Milwaukee, WI 53202	- \$1,757,918.00	Acceptable	39.1%	22.0%
Donohue & Associates, Inc. Milwaukee, WI 53202	- -	Unacceptable	-	-
Greeley and Hansen LLC Waukesha, IL 53186	- -	Unacceptable	-	-
Strand Associates, Inc. Milwaukee, WI 53202	- -	Unacceptable	-	-

Compensation packages for proposals rated "Conditionally Acceptable" and "Unacceptable" are not opened.

SUBCONSULTANT INFORMATION

Type	Subconsultant Name	Type of Work	%	Amount
MBE	Oneida Total Integrated Enterprises Milwaukee, WI 53226	CAD, structural, site/civil design, engineering support	15.0%	\$243,003.00
SBE	AES Engineering, Inc. Rubicon, WI 53078	Construction strategies/sequencing, plant O&M, training materials	1.3%	\$20,590.00
SBE	Automation Service & Design, Inc. Mequon, WI 53092	Electrical/I&C engineering support, applications engineering	5.5%	\$89,790.00

SBE	Indoor Air Quality Diagnostics Wauwatosa, WI 53226	Environmental testing, consulting	0.6%	\$9,880.00
SBE	M&M Environmental and Educational Services Milwaukee, WI 53221	Construction strategies/ sequencing, startup support, O&M manuals	1.3%	\$21,669.00
WBE	TWGraphics Milwaukee, WI 53202	CAD design services	1.6%	\$25,392.00

ECONOMIC DEVELOPMENT ELEMENTS

Local Office Preference? Y

Mentor Protégé? NA

OUTREACH INFORMATION

The Procurement team performed the following outreach: advertised in the Daily Reporter, sent an e-mail notification to all registered firms in the Professional Services category, and sent targeted e-mails to 82 SWMBE Design and Engineering Services firms. The proposal opportunity is also publicly accessible from the MMSD website and Bonfire, the portal used to post RFPs. Bonfire also performs outreach to its users when an RFP is posted.

S/W/MBE Document Takers:

AES Engineering
Applied Science, Inc.
Bloom Companies, LLC
Cathodic Protection Management, Inc.
Fusion Integrated Solutions, LLC
GESTRA Engineering, Inc.
Globetrotters Engineering Corporation
Integrated Process Solutions, Inc.
K. Singh & Associates, Inc.
Kapur and Assoc.
L&R Engineering Services, LLC
M & M Environmental and Educational Services LLC
Oneida Total Integrated Enterprises (OTIE)
P. A. Roeper & Associates, Inc
Superior Engineering - IL, LLC
Terra Engineering Group Ltd.
Webster Environmental Assoc.

If no or low S/W/MBE participation, explain why:

NA

Additional Comments:

NA

AWARDEE INFORMATION

Company: Black & Veatch, Inc.
Contact Person: Paul Boersma
Phone Number: (414) 455-1606
E-mail Address: BoersmaPM@bv.com

EEO DATA

225 E. Mason Street, Suite 801,
Location: Milwaukee, WI 53202

Total # of Employees 5920

	<u>Total</u>	<u>%</u>
Minorities	1,036	17.5%
African American	241	4.1%
Asian	469	7.9%
Hispanic	312	5.3%
Native American	14	0.2%

	<u>Total</u>	<u>%</u>
Females	1,654	27.9%
African American	94	1.6%
Asian	154	2.6%
Hispanic	88	1.5%
Native American	4	0.1%

Labor Market Availability - Minorities 22.0%

Labor Market Availability - Females 49.0%

PRIME PERFORMANCE HISTORY - S/W/MBE COMPLIANCE

Contract Title	Start Date	Percent Complete	Contract Value	Payments to Prime	Proposed SWMBE \$	Proposed SWMBE %	SWMBE Actuals \$	SWMBE Actuals %
J04060D01 - Eng Svcs for JI WRF Sludge Cake Conveyors Replacement	3/21/2018	69%	\$603,644.00	\$415,042.55	\$234,274.24	38.81%	\$91,228.99	22%
J06061D03 - JI WRF Milorganite Dryer Burner Upgrade	7/1/2015	90%	\$816,058.00	\$735,928.30	\$219,927.63	26.95%	\$194,084.71	26%
J06066P01 - JI Power Supply Risk Analysis	8/1/2014	100%	\$71,500.00	\$71,484.72	\$14,300.00	20.00%	\$7,900.00	11%
K01012D02 - Prep of FCC, NEPA, FAA and other Fed Docs	6/15/2015	98%	\$75,499.80	\$73,969.12	\$0.00	0.00%	\$0.00	0%
M03074P01 - Force Main Pipes Condition Assessment Master Plan	10/8/2013	94%	\$194,652.00	\$182,082.73	\$40,876.92	21.00%	\$19,680.02	11%
S04031D01-Engineering Service-SS WTR Reclamation Digester Gas Treatment System	1/1/2016	100%	\$706,894.00	\$706,894.00	\$213,764.75	30.24%	\$198,129.32	28%



COMMISSION FILE NO: 21-029-3 **DATE INTRODUCED:** March 8, 2021

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

REFERRED BY COMMISSION CHAIRPERSON TO: Operations Committee

RELATING TO: Change Order Request, Contract TS-2667, General On-Call Engineering Services – Water Reclamation Facilities, Restore the Executive Director’s Original Delegated Authority, and Approve Changes in Total Project Cost, Project S02017

SUMMARY:

The Commission is requested to authorize the Executive Director to execute a change order to Contract TS-2667, General On-Call Engineering Services – Water Reclamation Facilities (WRF’s), with Donohue & Associates, Inc., (Donohue) in an amount not to exceed \$41,000 and to restore the Executive Director’s original delegated authority.

Further, the Commission is requested to increase the total project cost (TPC) for Project S02017, Process Air Header Improvements, by \$286,500 for an amended TPC of \$536,500 and to make a corresponding change to the TPC for Project M99001, Allowance for Cost and Schedule Changes

District staff utilizes Contract TS-2667 for smaller scale engineering services related to the District’s WRF’s. Services may be on small capital projects, capital repair and replacement projects, or general technical support related to other capital projects or operational issues. On-call contract TS-2667 also provides the District means to cost effectively and quickly respond to WRF engineering needs.

The District executed contract TS-2667 in December 2019 in the amount of \$600,000. The District has subsequently issued 12 task orders for various engineering needs at the WRF’s.

The requested change order is for engineering services related to Project S02017, Process Air Header Improvements.

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

*OP_Change_Order_TS2667_TPC_Change_S02017_legislative_file.docx
02-17-21*

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Change Order Request, Contract TS-2667, General On-Call Engineering Services – Water Reclamation Facilities, Restore the Executive Director's Original Delegated Authority, and Approve Changes in Total Project Cost, Project S02017

South Shore Water Reclamation Facility (SSWRF) uses large quantities of compressed air to provide oxygen to the secondary treatment process. Compressed air is conveyed from blowers via 30-inch blower discharge lines into an underground 90-inch steel pipeline (the process air header). The process air header then conveys compressed air approximately 1,730 feet from the Blower Generator Building to the Aeration Buildings. Within the Aeration Building, pipelines branch off from the 90-inch air header, ultimately to serve individual aeration basins. This conveyance system went into service in approximately 1970.

A 2016 internal inspection of the 90-inch pipeline indicated areas where some corrosion has occurred. There have not been any inspections of the 30-inch blower discharge lines.

In January 2020, one of the 30-inch blower discharge lines developed a leak, resulting in the need to shut down all process air to complete the repair. SSWRF can only operate for six to 12 hours without a functioning aeration system before risking loss of the biological treatment process. It can take up to a month to restore the biological treatment process and can result in a risk of not meeting permit limits. It is critical that the District have a fully reliable process air delivery system.

Based on the January 2020 experience and the age of the entire air system, staff suspects that there may be other areas with significant corrosion and increased risk of failures and leaks. Given the critical nature of the blower discharge and process header lines and after the January 2020 leak, the District:

- Created Project S02017, Process Air Header Improvements, with a TPC of \$250,000 and
- Authorized a task order under the TS-2667 On-Call Engineering contract to perform engineering services for Project S02017.

SUMMARY (Cont'd)

Change Order Request, Contract TS-2667, General On-Call Engineering Services – Water Reclamation Facilities, Restore the Executive Director’s Original Delegated Authority, and Approve Changes in Total Project Cost, Project S02017

The engineering services authorized under that task order included:

- Identifying ways to replace the 30-inch branch header discharge lines;
- Evaluating means and methods to obtain a condition assessment of the 90-inch air header;
- Evaluating ways to rehabilitate or replace the 90-inch air header;
- Developing plans and specs to provide access to the 90-inch air header near where branch air discharge lines connect;
- Conducting one internal inspection where the branch discharge lines connect to the 90-inch air header; and
- Developing plans and specifications to provide access for external inspections at different locations along the 90-inch process air header.

A logical extension of the work performed to date on Project S02017 under the TS-2667 Contract is to add the external inspection and an additional internal inspection of the 90-inch air header. As there is no remaining funding left on Contract TS-2667, staff is now requesting a change order in an amount not to exceed \$41,000 to perform these inspections.

CONTRACT COST CHANGES

	AMOUNT	PERCENTAGE INCREASE OVER ORIGINAL CONTRACT	AUTHORIZED BY	SWMBE
Original Contract	\$600,000.00		Commission	23.3%
Previous Change Orders	\$60,000.00	10.0%	Executive Director	20.0%
Requested Change Order	\$41,000.00	6.8%	Request of Commission	20.0%
Total Change Orders	\$101,000.00	16.8%		20.0%
TOTAL	\$701,000.00			22.8%

SUMMARY (Cont'd)

Change Order Request, Contract TS-2667, General On-Call Engineering Services – Water Reclamation Facilities, Restore the Executive Director's Original Delegated Authority, and Approve Changes in Total Project Cost, Project S02017

For engineering service contracts greater than or equal to \$500,000, the Commission has delegated to the Executive Director the authority to make changes up to \$200,000 or 10 percent of the original contract price, whichever is less. For this contract, a limit of \$60,000 prevails. To date, the Executive Director has utilized \$60,000 of this authority, leaving a balance of \$0. The request to restore the Executive Director's authority is in case any additional engineering services are needed before the District awards and executes a new on-call engineering services contract for the WRF's.

Project S02017, Process Air Header Improvements, was created in March 2020 by Commission action with a TPC of \$250,000. The original scope of the project was limited to only performing preliminary engineering. District staff has now identified the costs associated with performing the internal and external inspections and requests to increase the TPC by those costs, which are estimated at \$286,500. These costs include constructing the process air header access, consultant inspection costs, and District labor costs for management, engineering, and construction administration.

RESOLUTION

Change Order Request, Contract TS-2667, General On-Call Engineering Services – Water Reclamation Facilities, Restore the Executive Director’s Original Delegated Authority, and Approve Changes in Total Project Cost, Project S02017

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute a change order to Contract TS-2667, General On-Call Engineering Services – Water Reclamation Facilities, with Donohue & Associates, Inc., in an amount not to exceed \$41,000, and that the Executive Director’s original delegated authority is restored.

FURTHER RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the total project cost for Project S02017, Process Air Header Improvements, is increased by \$286,500 for an amended total project cost of \$536,500, and that a corresponding change is made to the total project cost for Project M99001, Allowance for Cost and Schedule Changes.



Capital Budget Fiscal Note Total Project Cost

RELATING TO:

Change Order Request, Contract TS-2667, General On-Call Engineering Services – Water Reclamation Facilities, Restore the Executive Director’s Original Delegated Authority, and Approve Changes in Total Project Cost, Project S02017

Capital Project Number(s)	Impact of Requested Action on Total Project Cost:			
<u>S02017</u>	<input checked="" type="checkbox"/> Increase	<input type="checkbox"/> Decrease	<input type="checkbox"/> New Project	<input type="checkbox"/> No Change

<u>Total Project Cost Analysis</u>	<u>Project Costs</u>
Adopted 2021 Total Project Cost	\$250,000
Previously Approved Changes	\$0
Approved Total Project Cost	\$250,000
Requested Total Project Cost	\$536,500
Requested (Increase)/Decrease	(\$286,500)

Action to be taken to Long-Range Financing Plan to address Total Project Cost change	
_____	Transfer from Allowance for Cost and Schedule Changes
_____ x	Transfer from another project (specify in comments)
_____	Delay Project(s) (specify in comments)
_____	Delete Project(s) (specify in comments)
_____	Other _____
_____	Transfer to Allowance for Cost and Schedule Changes

Comments
 The budget for engineering consultant expense, construction contractor expense, and District labor related to the direct inspections was not included in the original project scope or TPC. Staff requests to increase the TPC accordingly and transfer from S99001.

Budget Review by:	Date:
<u>Theresa Zwieg</u>	<u>2/1/2021</u>



COMMISSION FILE NO: 21-030-3 **DATE INTRODUCED:** March 8, 2021

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

REFERRED BY COMMISSION CHAIRPERSON TO: Operations Committee

RELATING TO: Contract C05055D01, Engineering Services – North 35th Street and West Roosevelt Drive Improvements Project

SUMMARY:

The Commission is requested to authorize the Executive Director to execute on behalf of the District Contract C05055D01, Engineering Services – North 35th Street and West Roosevelt Drive Improvements Project, with Oneida Total Integrated Enterprises, LLC, (OTIE) in an amount not to exceed \$812,430. OTIE was the highest scoring proposer through a qualifications-based selection method among three proposals received.

One of the District's Integrated Watershed Management Goals, as outlined in the District's 2035 Vision, is to "achieve, to the extent feasible, zero sanitary sewer overflows". In 2020, the District completed a planning level evaluation of the Metropolitan Interceptor System (MIS) that contributes to a sanitary sewer overflow (SSO) location known as Bypass Site 0503 (BS0503). BS0503 is near N. 35th Street and W. Roosevelt Drive in the City of Milwaukee.

The goal of the evaluation was to identify ways to reduce or eliminate SSO's that can occur at this location. SSO's have occurred at this location about ten times over the past 20 years. BS0503 is a bypass pumping station, which, when active, pumps the SSO to two storm sewer box culverts. These box culverts convey this SSO and stormwater flow north in 35th Street, where it discharges into Lincoln Creek at Congress Street.

Under the 30th Street Corridor Flood Management efforts, the District plans to construct a wet weather storage basin that will collect stormwater from the same storm sewer box culverts to which BS0503 currently discharges. The District desires to eliminate the risk of any SSO discharging from BS0503 into this planned wet weather storage basin.

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

*OP_Award_C05055D01_Roosevelt_Drive_Improvements_legislative_file.docx
02-08-21*

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Contract C05055D01, Engineering Services – North 35th Street and West Roosevelt Drive Improvements Project

To eliminate the overflow risk at BS0503, the planning report recommended that the District design and construct a new 48-inch MIS in W. Roosevelt Drive. This new MIS will provide hydraulic relief to an existing 42-inch MIS in W. Roosevelt Drive by redirecting flow away from BS0503 to an existing 96-inch MIS near N. 51st Street.

Proposed Contract C05055D01 will begin with the recommendations from the planning report and ultimately develop a set of bid documents to construct the new MIS. Under Contract C05055D01, the consultant will perform the following services:

- Project management.
- Geotechnical investigation.
- Alternatives and engineering analysis.
- Hydraulic modeling.
- Design the following elements:
 - New tunneled MIS.
 - Structures to connect the new MIS to the existing MIS.
 - Abandonment of the existing MIS.
 - Modifications to the City of Milwaukee sanitary sewer system.
 - Abandonment of BS0503.
- Prepare final plans and specifications.
- Bid and award services.
- Engineering services during construction.
- Developing operation and maintenance manual revisions.
- Applications engineering support.

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

The duration for this contract is approximately 42 months.

RESOLUTION

Contract C05055D01, Engineering Services – North 35th Street and West Roosevelt Drive Improvements Project

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute Contract C05055D01, Engineering Services – North 35th Street and West Roosevelt Drive Improvements Project, with Oneida Total Integrated Enterprises, LLC, in an amount not to exceed \$812,430.



Capital Budget Fiscal Note
Total Project Cost

RELATING TO:

Contract C05055D01, Engineering Services – North 35th Street and West Roosevelt Drive Improvements Project

Capital Project Number(s)	Impact of Requested Action on Total Project Cost:
<u>C05055</u>	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease <input type="checkbox"/> New Project <input checked="" type="checkbox"/> No Change

<u>Total Project Cost Analysis</u>	<u>Project Costs</u>
Adopted 2021 Total Project Cost	<u>\$14,034,431</u>
Previously Approved Changes	<u>\$0</u>
Approved Total Project Cost	<u>\$14,034,431</u>
Requested Total Project Cost	<u>n/a</u>
Requested (Increase)/Decrease	<u>\$0</u>

Action to be taken to Long-Range Financing Plan to address Total Project Cost change

_____ Transfer from Allowance for Cost and Schedule Changes
 _____ Transfer from another project (specify in comments)
 _____ Delay Project(s) (specify in comments)
 _____ Delete Project(s) (specify in comments)
 _____ Other _____
 _____ Transfer to Allowance for Cost and Schedule Changes

Comments

Budget Review by:	Date:
<u>Theresa Zwieg</u>	<u>2/1/2021</u>

Contract C05055D01, Engineering Services – North 35th Street and West Roosevelt Drive Improvements Project



Procurement & S/W/MBE Summary Information

Contract # C05055D01 **Cost Center:** ENG

Engineering Services - North 35th Street and West Roosevelt Drive Improvements Project

PROPOSAL SUMMARY

Proposal Receipt Date: 12/14/2020

	Total	SWMBE	Local
# of Proposals	3	1	3
# of Acceptable Proposals	2	1	2

Proposals (listed by rank)	Negotiated Price	Acceptable?	% Sub	% SWMBE
	<i>Submitted Price</i>			
Oneida Total Integrated Enterprises Milwaukee, WI 53226 (MBE)	\$812,430.00	Acceptable	52.8%	81.3%
	<i>\$772,358.00</i>			
Symbiont Milwaukee, WI 53214	-	Acceptable	41.1%	26.7%
	<i>\$869,535.00</i>			
Stantec Consulting Services Inc. Mequon, WI 53092	-	Unacceptable	-	-
	-			

Compensation packages for proposals rated "Conditionally Acceptable" and "Unacceptable" are not opened.

SUBCONSULTANT INFORMATION

Type	Subconsultant Name	Type of Work	%	Amount
MBE	K. Singh & Associates Wauwatosa, WI 53222	Geotechnical investigations, engineering, environmental, asbestos testing	21.0%	\$170,610.30
MBE	Oneida Engineering Services Milwaukee, WI 53226	Engineering consulting	2.4%	\$19,498.32
SBE	Automation Service & Design, Inc. Mequon, WI 53092	Electrical engineering, application engineering	10.7%	\$86,930.01
Non-SWMBE	Brown And Caldwell Milwaukee, WI 53202	Engineering consulting	18.7%	\$151,924.41

ECONOMIC DEVELOPMENT ELEMENTS

Local Office Preference? Y

Mentor Protégé? NA

OUTREACH INFORMATION

The Procurement team performed the following outreach: advertised in the Daily Reporter, sent an e-mail notification to all registered firms in the Engineering/General services categories, and sent targeted e-mails to SWMBE Engineering firms. The proposal opportunity is also sent to various diverse business chambers and councils and publicly accessible from the MMSD website and Bonfire, the portal used to post RFPs. Bonfire also performs outreach to its users when an RFP is posted.

S/W/MBE Document Takers:

Applied Science, Inc.
Bay Ridge Consulting
DAAR Engineering, Inc.
Fusion Integrated Solutions, LLC
GESTRA Engineering, Inc.
Globetrotters Engineering Corporation
Himalayan Consultants, LLC
K. Singh & Associates, Inc.
Kapur and Assoc.
M Squared Engineering
NuGen Companies, LLC
Oneida Total Integrated Enterprises
OTIE
Terra Engineering Group Ltd.
Water365, LLC

If no or low S/W/MBE participation, explain why:

NA

Additional Comments:

NA

AWARDEE INFORMATION

Company:	<u>Oneida Total Integrated Enterprise (OTIE)</u>
Contact Person:	<u>Rich Blauvelt</u>
Phone Number:	<u>(414) 607-6792</u>
E-mail Address:	<u>rblauvelt@otie.com</u>

EEO DATA

1033 North Mayfair Road, Suite
 Location: 200, Milwaukee, WI 53226

Total # of Employees 138

	<u>Total</u>	<u>%</u>
Minorities	19	13.8%
Asian	8	5.8%
Black or African American	3	2.2%
Hispanic or Latino	8	5.8%
Native American	0	0.0%
Other Minority	0	0.0%

	<u>Total</u>	<u>%</u>
Females	49	35.5%
Asian	4	2.9%
Black or African American	1	0.7%
Hispanic or Latino	2	1.4%
Native American	0	0.0%
Other Minority	0	0.0%

Labor Market Availability - Minorities 22.0%

Labor Market Availability - Females 49.0%

PRIME PERFORMANCE HISTORY - S/W/MBE COMPLIANCE

Contract Title	Start Date	Percent Complete	Contract Value	Payments to Prime	Proposed SWMBE \$	Proposed SWMBE %	SWMBE Actual \$	SWMBE Actuals %
C02007D02 - Franklin/Muskego Interceptor Rehabilitation Project II	6/1/2012	84%	\$92,092.00	\$77,511.57	\$92,092.00	100.00%	\$77,511.57	100%
C06021D01 South 27th St. MIS Rehab	6/1/2015	31%	\$301,918.00	\$95,013.38	\$301,918.00	100.00%	\$95,013.38	100%
S06019D01, SS WRF Flushing Water (W3) Pump Improvements	4/20/2015	96%	\$207,150.00	\$198,016.68	\$207,150.00	100.00%	\$198,016.68	100%
S06022D01, SS WRF Building 326 Site Improvements Project	4/1/2015	98%	\$82,654.00	\$80,808.34	\$82,654.00	100.00%	\$80,808.34	100%
TS-2566 Sewer Rehab - Various Locations	2/25/2013	100%	\$232,575.00	\$203,732.70	\$232,575.00	100.00%	\$203,732.70	100%
TS-2616, General On-Call Engineering Services for Watercourse Facilities	4/6/2015	100%	\$50,000.00	\$45,071.34	\$50,000.00	100.00%	\$45,071.34	100%
W40016D01 - Eng Svcs - KK River Sewer Mods	3/9/2019	80%	\$242,910.00	\$194,868.14	\$203,242.80	83.67%	\$175,794.64	90%



COMMISSION FILE NO: 21-031-3 **DATE INTRODUCED:** March 8, 2021

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

REFERRED BY COMMISSION CHAIRPERSON TO: Operations Committee

RELATING TO: Contract TS-2682, On-Call Construction Services for Sewer Repair and Rehabilitation Projects

SUMMARY:

The Commission is requested to authorize the Executive Director to execute on behalf of the District Contract TS-2682, On-Call Construction Services for Sewer Repair and Rehabilitation Projects, with Mid City Plumbing & Heating, Inc., (Mid City) in an amount not to exceed \$500,000. Mid City was the lowest responsible, responsive bidder among four bids received.

The District has a recurring need to quickly perform less complex and smaller scale contracts within the District's Conveyance system. The work often consists of lining pipes, manholes, or joint repairs. While such work may be needed quickly, it is not emergency work, and there may be significant time and costs associated with putting together a complete bid package.

The requested on-call contract will provide the District means to quickly and cost effectively respond to such needs in the Conveyance system.

As a need arises, staff will develop a scope of services for an on-call task order and, using rates established in the proposed contract, will develop a not-to-exceed cost for each task order. Once the scope and costs are finalized with the contractor, staff would authorize the task order.

In general, staff anticipates the costs for each task order to range from \$15,000 to \$75,000. Services provided under this contract may be funded from either the Capital Budget or the Operations and Maintenance budget.

Staff anticipates that this contract will last up to three years.

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

*OP_Award_TS 2682_on Call Construction- Conveyance_legislative_file.docx
02-04-21*

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

RESOLUTION

Contract TS-2682, On-Call Construction Services for Sewer Repair and Rehabilitation Projects

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute Contract TS-2682, On-Call Construction Services for the Sewer Repair and Rehabilitation Projects, with Mid City Plumbing & Heating, Inc., in an amount not to exceed \$500,000.



Capital Budget Fiscal Note

Total Project Cost

RELATING TO: Contract TS-2682, On-Call Construction Services for Sewer Repair and Rehabilitation Projects

Capital Project Number(s)

Various

Impact of Requested Action on Total Project Cost:

Increase Decrease New Project No Change

Total Project Cost Analysis

Adopted 2021 Total Project Cost
Previously Approved Changes
Approved Total Project Cost
Requested Total Project Cost
Requested (Increase)/Decrease

Project Costs

<u>Various</u>
<u>\$0</u>
<u>\$0</u>
<u>n/a</u>
<u>\$0</u>

Action to be taken to Long-Range Financing Plan to address Total Project Cost change

_____ Transfer from Allowance for Cost and Schedule Changes
_____ Transfer from another project (specify in comments)
_____ Delay Project(s) (specify in comments)
_____ Delete Project(s) (specify in comments)
_____ Other _____
_____ Transfer to Allowance for Cost and Schedule Changes

Comments

Services provided under this contract may be funded from either the capital budget or the operations and maintenance budget and will be charged as individual task orders to various capital projects and OM projects. It is anticipated 90% of the contract will be used on capital projects.

Budget Review by:

Theresa Zwieg

Date:

2/1/2021



O&M Budget Fiscal Note

RELATING TO:

Contract TS-2682, On-Call Construction Services for Sewer Repair and Rehabilitation Projects

Cost Center:	Line Item:
ENG _____	645 _____

Line Item Impact			
2021 Original Budget	\$	306,478	
Carryovers or Transfers		\$0	
Adjusted Budget		\$306,478	
Estimated Annual Expenditure including Request		\$306,478	
Anticipated Year End Balance		\$0	
Actual Year to Date Expenditures Through		NA	
For unfavorable Year End Balance, identify funding source: <input type="checkbox"/> Absorbed within the Division			
<input type="checkbox"/> Other Division			
<input type="checkbox"/> Unallocated Reserve			
Anticipated Expenditure Timing	Requested Expenditures	Anticipated Savings/Revenues	Net Fiscal Impact
Current Year (2021)	\$25,000	\$0	\$25,000
Subsequent	\$25,000	\$0	\$25,000
Total Cost	\$50,000	\$0	\$50,000

Comments: Services provided under this contract may be funded from either the capital budget or the operations and maintenance budget. 10% of this contract is anticipated to be used for OM projects.

Budget Review by:	Date
Theresa Zwieg _____	2/1/2021 _____

Contract TS-2682, On-Call Construction Services for Sewer Repair and Rehabilitation Projects



Procurement & S/W/MBE Summary Information

Contract # TS-2682

Cost Center: ENG

On-Call Construction Services for Sewer Repair and Rehabilitation Projects

BID SUMMARY

Bid Opening Date: 1/20/2021

	Total	SWMBE	Local
# of Bids	4	1	3
# of Responsive Bids	4	1	3

Bidders	Award Amount	Responsive?	Responsible?	% Sub	% SWMBE
	<i>Submitted Bid Total</i>				
Mid City Corporation Butler, WI 53007 (SBE)	\$500,000.00	Responsive	Responsible	TBD	20.0%
	\$139,723.63				
Five Star Energy Services, LLC West Bend, WI 53095	<i>n/a</i>	Responsive	Responsible	Not provided	Not provided
	\$151,417.88				
Grunau Company, Inc. Oak Creek, WI 53154	<i>n/a</i>	Responsive	Responsible	TBD	20.0%
	\$159,946.63				
Super Excavators, Inc. Menomonee Falls, WI 53051	<i>n/a</i>	Responsive	Responsible	Not provided	Not provided
	\$256,841.25				

*Submitted Bid Total is based on a matrix of labor, equipment, and subcontractor rates and estimated quantities. Submitted Bid Total was utilized for determining the lowest bidder and establishing rates of payment. The Award Amount is based on staff's expectation of contract needs for up to three years. □

SUBCONTRACTOR INFORMATION

Type	Subcontractor Name	Type of Work	%	Amount
Non-SWMBE	Visu-Sewer, Inc. Pewaukee, WI 53072	Televising services	TBD	TBD

ECONOMIC DEVELOPMENT ELEMENTS

Workforce Requirements

Sanitary Sewer Service Area (SSSA)
Employment: 45%

Target Area (TA) Employment: 20%

Apprentices Required: 0

OUTREACH INFORMATION

The Procurement team performed the following outreach: advertised in the Daily Reporter, sent an e-mail notification to all registered firms in the general construction category, sent targeted e-mails to potential prime bidders, sent targeted e-mails to SWMBE firms in construction services, and notified the various local chambers of commerce. The bid opportunity is also publicly accessible from the MMSD website and Quest CDN. Quest CDN also performs outreach to its users when a bid is posted.

S/W/MBE Planholders:

Mid City Corporation

If no or low S/W/MBE participation, explain why:

NA

Additional Comments:

The prime will meet or exceed the District's SWMBE participation goal of 20%. However, due to the nature of this contract, it is unknown at this time the exact dollar participation for each sub-consultant firm. □

AWARDEE INFORMATION

Company:	Mid City Corporation
Contact Person:	Tom Zoulek
Phone Number:	(262) 781-5940
E-mail Address:	estimating@midcitycorp.us

EEO DATA

	12930 West Custer Avenue			
Location:	Butler, WI 53007		Total # of Employees	65
	Total	%	Total	%
Minorities	4	6.2%	Females	4
African American	2	3.1%	African American	1
Asian	0	0.0%	Asian	0
Hispanic	3	4.6%	Hispanic	1
Native American	1	1.5%	Native American	0
	<i>Labor Market Availability - Minorities</i>	22.0%	<i>Labor Market Availability - Females</i>	49.0%



COMMISSION FILE NO: 21-032-3 **DATE INTRODUCED:** March 8, 2021

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

REFERRED BY COMMISSION CHAIRPERSON TO: Operations Committee

RELATING TO: Contract TS-2683, On-Call Levee System Engineering and Accreditation Services, Project W20033

SUMMARY:

The Commission is requested to authorize the Executive Director to execute on behalf of the District Contract TS-2683, On-Call Levee System Engineering and Accreditation Services, Project W20033, with Arcadis U.S., Inc., (Arcadis) in an amount not to exceed \$2,500,000. Arcadis was the highest scoring proposer, through a qualifications-based selection method, among three proposals received.

Over the past 20 years, the District has been implementing the Menomonee River Watercourse Management Plan (MRWMP). The plan has identified 372 structures in the floodplain, of which, after District constructed improvements (totaling \$235 Million to date), 108 structures remain. Improvements include the County Grounds floodwater storage facility; concrete channel removal, channel widening, and stream restoration projects on Underwood Creek and the Menomonee River; and a floodwall and levee system adjacent to Hart Park. A remaining key element of this overall plan is the Western Milwaukee Phase 2B project. This project will design and construct additional levee and floodwalls along the Menomonee River immediately downstream of the existing Hart Park levee/floodwall system.

The Hart Park and Western Milwaukee levee/floodwall systems work together as a system and were constructed as a series of projects starting in 2007. The final levee/floodwall segment (Phase 2B) is under final design with construction estimated to be complete by the end of 2022.

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

*OP_On-Call_Levee_Accrediation_W20033_legislative_file.docx
02-11-21*

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Contract TS-2683, On-Call Levee System Engineering and Accreditation Services,
Project W20033

One of the primary goals of the MRWMP is that structures protected by the levee system and currently in the Federal Emergency Management Agency (FEMA) regulatory floodplain will no longer be in that floodplain. Once a structure is out of this regulatory floodplain, not only is the structure at reduced risk of flooding, but the owner of a structure will no longer have a requirement to obtain flood insurance. The owner can still obtain flood insurance, but, as flood risks are reduced, flood insurance rates will also be reduced.

The Cities of Milwaukee and Wauwatosa, under FEMA regulations, are the local agencies responsible for administering and managing local floodplains. For structures to be removed from the regulatory floodplain, the Cities, in conjunction with the District, must develop and submit applications and supporting technical documentation to FEMA that demonstrate that the District's flood management efforts meet all regulatory requirements. The documentation package is called a Letter of Map Revision (LOMR) application. Part of this documentation includes demonstrating meeting FEMA levee requirements.

Once the Western Milwaukee Phase 2B construction is completed at the end of 2022, the District and Cities will assemble and submit a LOMR application, including the levee accreditation information, to FEMA. FEMA will not review the LOMR application until all construction is complete and all documentation, including the levee accreditation information, are submitted. FEMA will then review the LOMR and revisions may be necessary, before ultimately the LOMR goes into effect. Due to the complexity of the MRWMP, staff anticipates that it will take three years before FEMA approves the LOMR application and the floodplain maps are formally updated.

The District is currently evaluating and finalizing the improvements and steps necessary to have the levee accredited. Following are the general actions that need to occur:

- Construct embankment protection measures;
- Raise existing levees in four locations;
- Construct several storm sewer closures, including emergency closures;
- Repair approximately 50 sanitary and storm sewer segment defects;
- Abandon approximately 10 sanitary or storm sewer segments;
- Develop a comprehensive levee operation and maintenance (O&M) plan; and
- Develop an emergency preparedness plan.

SUMMARY (Cont'd)

Contract TS-2683, On-Call Levee System Engineering and Accreditation Services,
Project W20033

To meet the target of performing all work and completing the levee accreditation information by the end of 2022, staff requests authorization of this on-call engineering services contract. This contract will provide staff the ability to move immediately into engineering and final design after finalizing the specific actions needed to have the levee accredited. After final design is complete, the District will publicly bid and award multiple construction packages to complete necessary levee accreditation improvements.

This on-call levee accreditation contract will provide all remaining professional services necessary to develop the levee accreditation information. District will develop individual task orders and negotiate a final scope and fee with the consultant. Task order services will include the following type of tasks:

- Levee and floodwall design;
- River and storm sewer hydraulic modeling;
- Design storm sewer primary/secondary/emergency closure devices;
- Design storm and sanitary sewer repairs and rehabilitations;
- Design embankment protection measures;
- Address site environmental issues to meet WDNR standards;
- Develop the levee operation and maintenance plan;
- Develop the levee emergency preparedness plan;
- Inspect levee construction for compliance with technical requirements;
- Prepare FEMA LOMR/levee system accreditation information; and
- Provide District additional technical support relating to the levee as needed.

In addition to the Hart Park and Western Milwaukee levee system, the District also has the Valley Park levee system downstream along the Menomonee River. The Valley Park levee system was constructed in approximately 2000 and accredited by FEMA in 2006. Since 2006, FEMA has added the requirement to have an Emergency Preparedness Plan for levee systems. While accredited, the District desires that this levee accreditation contract also evaluate the Valley Park levee to determine if it also meets current levee accreditation requirements. This contract will also perform that evaluation and perform any necessary engineering services to ensure that the Valley Park levee also remains accredited.

Staff anticipates this contract to last three years.

RESOLUTION

Contract TS-2683, On-Call Levee System Engineering and Accreditation Services,
Project W20033

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute Contract TS-2683, On-Call Levee System Engineering and Accreditation Services, Project W20033, with Arcadis U.S., Inc., in an amount not to exceed \$2,500,000.



Capital Budget Fiscal Note Total Project Cost

RELATING TO:

Contract TS-2683, On-Call Levee System Engineering and Accreditation Services, Project W20033

Capital Project Number(s)

W20033

Impact of Requested Action on Total Project Cost:

Increase Decrease New Project No Change

Total Project Cost Analysis

Project Costs

Adopted 2021 Total Project Cost	\$3,595,000
Previously Approved Changes	\$0
Approved Total Project Cost	\$3,595,000
Requested Total Project Cost	n/a
Requested (Increase)/Decrease	\$0

Action to be taken to Long-Range Financing Plan to address Total Project Cost change

_____ Transfer from Allowance for Cost and Schedule Changes
 _____ Transfer from another project (specify in comments)
 _____ Delay Project(s) (specify in comments)
 _____ Delete Project(s) (specify in comments)
 _____ Other _____
 _____ Transfer to Allowance for Cost and Schedule Changes

Comments

Budget Review by:

Theresa Zwieg

Date:

2/11/2021

Contract TS-2683, On-Call Levee System Engineering and Accreditation Services, Project W20033



Procurement & S/W/MBE Summary Information

Contract # TS-2683 **Cost Center:** ENG

On-Call Levee System Engineering and Accreditation Services, Project W20033

PROPOSAL SUMMARY

Proposal Receipt Date: 1/19/2021

	Total	SWMBE	Local
# of Proposals	3	0	3
# of Acceptable Proposals	2	0	2

Proposals (listed by rank)	Negotiated Price	Acceptable?	% Sub	% SWMBE
	<i>Submitted Price</i>			
Arcadis U.S., Inc. Milwaukee, WI 53202	\$2,500,000.00 <i>n/a</i>	Acceptable	TBD	20.0%
Stantec Consulting Services Inc. Mequon, WI 53092	n/a <i>n/a</i>	Acceptable	20.0%	20.0%
Geosyntec Consultants Milwaukee, WI 53202	n/a <i>n/a</i>	Unacceptable	20.0%	20.0%

Compensation packages for proposals rated "Conditionally Acceptable" and "Unacceptable" are not opened.

SUBCONSULTANT INFORMATION

Type	Subconsultant Name	Type of Work	%	Amount
MBE	Gestra Engineering, Inc. Milwaukee, WI 53207	Engineering	TBD	TBD
MBE	KSingh & Associates, Inc. Wauwatosa, WI 53207	Levee/floodwall design	TBD	TBD
MBE	Oneida Total Integrated Enterprises Milwaukee, WI 53226	Hydraulic modeling, design services	TBD	TBD
SBE	Stony Point Hydrology LLC Mukwonago, WI 53149	Hydraulic modeling, design services	TBD	TBD
WBE	Penne Wilson Consulting Sturgeon Bay, WI 54235	Technical writing	TBD	TBD
Non-SWMBE	HNTB Corporation Milwaukee, WI 53202	Design services	TBD	TBD

ECONOMIC DEVELOPMENT ELEMENTS

Local Office Preference? Y

Mentor Protégé? n/a

OUTREACH INFORMATION

The Procurement team performed the following outreach: advertised in the Daily Reporter, sent an e-mail notification to all registered firms in the Architecture & Engineering category, and sent targeted e-mails to 96 SWMBE engineering firms. The proposal opportunity is also publicly accessible from the MMSD website and Bonfire, the portal used to post RFPs. Bonfire also performs outreach to its users when an RFP is posted.

S/W/MBE Document Takers:

Applied Science, Inc.; Fish Creek Restoration LLC; Fusion Integrated Solutions, LLC; GESTRA Engineering, Inc.; Globetrotters Engineering Corporation; Helianthus LLC; K. Singh & Associates, Inc.; Kapur and Assoc.; M Squared Engineering, LLC; Oneida Total Integrated Enterprises (OTIE); RFX Analyst, Inc.; Stony Point Hydrology LLC

If no or low S/W/MBE participation, explain why:

n/a

Additional Comments:

The prime will meet or exceed the District's SWMBE participation goal of 20%. However, due to the nature of this contract, it is unknown at this time the exact dollar participation for each sub-consultant firm.

AWARDEE INFORMATION

Company: Arcadis U.S., Inc.
 Contact Person: Tom Lachcik, PE, BCEE
 Phone Number: (847) 805-1048
 E-mail Address: Tom.Lachcik@arcadis.com

EEO DATA

630 Plaza Drive, Suite 100
 Highlands Ranch, CO 80129
 Location: (US Headquarters) Total # of Employees 5046

	<u>Total</u>	<u>%</u>		<u>Total</u>	<u>%</u>
Minorities	<u>1,023</u>	<u>20.3%</u>	Females	<u>1,856</u>	<u>36.8%</u>
Asian	<u>414</u>	<u>8.2%</u>	Asian	<u>174</u>	<u>3.4%</u>
Black or African American	<u>207</u>	<u>4.1%</u>	Black or African American	<u>72</u>	<u>1.4%</u>
Hispanic or Latino	<u>309</u>	<u>6.1%</u>	Hispanic or Latino	<u>116</u>	<u>2.3%</u>
Native American	<u>19</u>	<u>0.4%</u>	Native American	<u>9</u>	<u>0.2%</u>
Other Minority	<u>74</u>	<u>1.5%</u>	Other Minority	<u>28</u>	<u>0.6%</u>

Labor Market Availability - Minorities 55.9%

Labor Market Availability - Females 22.8%

PRIME PERFORMANCE HISTORY - S/W/MBE COMPLIANCE

Contract Title	Start Date	Percent Complete	Contract Value	Payments to Prime	Proposed SWMBE \$	Proposed SWMBE %	SWMBE Actuals \$	SWMBE Actuals %
C98056P01 - ES Conveyance System Evaluation and Modeling Software Improvements	10/25/2018	86%	\$ 2,165,153	\$ 1,867,596	\$ 446,022	21%	\$ 190,065	10%
J06034E01 - PRELIMINARY ENGINEERING & DESIGN OF IMPROVEMENTS TO HEAD TANKS	2/24/2014	100%	\$ 440,359	\$ 440,352	\$ 121,803	28%	\$ 135,771	31%
S02013D01 - Eng Serv SS WRF Return Activated Sludge System	3/17/2016	91%	\$ 571,588	\$ 520,720	\$ 133,180	23%	\$ 75,497	14%
S03003D01 - Eng Services SSWRF Post-Secondary Capacity Improvements	9/2/2016	96%	\$ 821,056	\$ 784,477	\$ 183,999	22%	\$ 125,679	16%



COMMISSION FILE NO: 21-033-3 **DATE INTRODUCED:** March 8, 2021

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

REFERRED BY COMMISSION CHAIRPERSON TO: Operations Committee

RELATING TO: Approval of Funding Agreement M10005WE01 Under Project M10005, 2021 City of West Allis Private Property Infiltration and Inflow Reduction Project

SUMMARY:

The Commission is requested to authorize and to direct the Executive Director to execute on behalf of the District Funding Agreement M10005WE01 in the amount of \$600,000 for work outlined in Work Plan M10005WE01 as submitted by the City of West Allis under project M10005, Private Property Infiltration and Inflow (PPII) Reduction Program. Including Work Plan M10005WE01, the City of West Allis has obligated 62% of the funding available to the City through 2021 in the PPII Program.

The City of West Allis has concentrated their private property work through the District program on foundation drain disconnection (FDD) while completing some lateral rehabilitation. Work Plan M10005WE01 follows the City's strategy of coordinating private property work with the public street reconstruction schedule. FDD and sanitary lateral rehabilitation are proposed to be completed after new public stormwater infrastructure has been installed, including storm lateral connections to each property, as part of the public street reconstruction work.

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

*OP_West_Allis_M10005WE01_II_Reduction_Project_legislative_file.docx
02-15-21*

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

BACKGROUND

Approval of Funding Agreement M10005WE01 Under Project M10005, 2021 City of West Allis Private Property Infiltration and Inflow Reduction Project

The City of West Allis has completed eight private property projects to date focusing on FDD. With 60% of the homes in West Allis estimated to predate 1954 (State building code revision), the City identified foundation drains as the primary source of infiltration and inflow in the City sanitary sewers. The City has also completed lateral rehabilitation work.

Work Plan M10005WE01 proposes to complete FDD and lateral rehabilitation on 60 homes following reconstruction of five streets. The older housing stock in denser parts of the City affords limited space for surface discharge of redirected foundation drain water on lawns. The City installs new public stormwater conveyance and water service infrastructure during street reconstruction, including a storm lateral stub to each property, to help overcome this. The subsequent private property work includes many parts, including FDD, sump pump installation, storm lateral installation, sanitary lateral rehabilitation, lead water service line (LWSL) removal, and new water service line installation. All private property work is voluntary. To date, the voluntary City programs have achieved an approximate 30% participation rate.

The five project area streets reside in eight different metersheds that have flows that are significantly influenced by wet weather. The private property scope of work including sanitary and LWSL work will be publicly bid in late March 2021 independent of street reconstruction. All work is anticipated to be completed in 2021.

This sanitary lateral, FDD, and storm lateral work is funded through the accumulated annual allocations to the PPII Program, Project M10005, and does not represent an increase in total project cost. The LWSL work is funded through a Wisconsin Department of Natural Resources grant secured by the City. Street reconstruction and public sector utility work is funded by the City. The planning, design, construction engineering, and public outreach for the private property work will be completed by City staff. The City is requiring a cost match by property owners of \$695 for the storm sewer connection (and \$1,065 for commercial properties).

Including Work Plan M10005WE01, the City of West Allis has obligated 62% (\$600,000/\$960,080) of the funding available to the City through 2021 in the PPII Program.

RESOLUTION

Approval of Funding Agreement M10005WE01 Under Project M10005, 2021 City of West Allis Private Property Infiltration and Inflow Reduction Project

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized and directed to execute on behalf of the District Funding Agreement M10005WE01 in the amount of \$600,000 for work outlined in Work Plan M10005WE01 as submitted by the City of West Allis under project M10005, Private Property Infiltration and Inflow Program.



**Capital Budget Fiscal Note
Total Project Cost**

RELATING TO:

Approval of Funding Agreement M10005WE01 Under Project M10005, 2021 City of West Allis Private Property Infiltration and Inflow Reduction Project

Capital Project Number(s)	Impact of Requested Action on Total Project Cost:
<u>M10005</u>	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease <input type="checkbox"/> New Project <input checked="" type="checkbox"/> No Change

<u>Total Project Cost Analysis</u>	<u>Project Costs</u>
Adopted 2021 Total Project Cost	*
Previously Approved Changes	\$0
Approved Total Project Cost	*
Requested Total Project Cost	n/a
Requested (Increase)/Decrease	\$0

Action to be taken to Long-Range Financing Plan to address Total Project Cost change

_____ Transfer from Allowance for Cost and Schedule Changes

_____ Transfer from another project (specify in comments)

_____ Delay Project(s) (specify in comments)

_____ Delete Project(s) (specify in comments)

_____ Other _____

_____ Transfer to Allowance for Cost and Schedule Changes

Comments

*The PP I/I program does not have a total project cost because it is a capital program. The long-range financing plan includes \$30.0 million. The program's reserve and the long-range financing plan have sufficient funding for the current request of \$600,000.

Budget Review by:	Date:
<u>Christine Durkin</u>	<u>2/10/2021</u>

March 2021

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>
<i>7</i>	8 Operations Committee-9:00 a.m. PF&P Committee- 9:05 a.m.	<i>9</i>	<i>10</i>	<i>11</i>	<i>12</i>	<i>13</i>
<i>14</i>	<i>15</i>	<i>16</i>	17 ST. PATRICK'S DAY	<i>18</i>	<i>19</i>	<i>20</i>
<i>21</i>	22 Commission-9:00 a.m.	<i>23</i>	<i>24</i>	<i>25</i>	<i>26</i>	<i>27</i>
<i>28</i>	<i>29</i>	<i>30</i>	<i>31</i>			