

ELECTRONIC PACKET

July 12, 2021 OPERATIONS COMMITTEE MEETING

RELEASED: Tuesday, July 6, 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, July 12, 2021

9:00 AM

Dennis M. Grzezinski Conference Room

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, July 12, 2021, at 9:00 a.m. at the District's Headquarters, 260 W. Seeboth Street, Milwaukee, Wisconsin, in the Dennis M. Grzezinski Conference Room.

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 June 14, 2021

NEW BUSINESS

- 1 **21-096-7** Award of Contract C06022C01, Metropolitan Interceptor Sewer System Conveyance Structures Improvements
- 2 **21-097-7** Authorizing the Executive Director to Execute a Purchase Order for Material Capital Repair or Replacement No. 1386, Jones Island Water Reclamation Facility Dewatering and Drying Building Belt Filter Press Central Exhaust Fans 1, 3, 5, and 6 Replacements, Project J06075
- 3 **21-098-7** Authorizing the Executive Director to Execute a Purchase Order for Material Capital Repair or Replacement No. 1426, Jones Island Water Reclamation Facility Dewatering and Drying Building Baghouses Rotary Valve Replacements (Project J06075)

- 4 **21-099-7** Award of Contract J06075C20, Dryer 1 Ring and Pinion Gear Replacement and Alignment at the Jones Island Water Reclamation Facility
- 5 **21-100-7** Reject Bids for Contract J06080C06, Tunnel 271 Piping Replacement and Structural Repairs at the Jones Island Water Reclamation Facility
- 6 **21-101-7** Contract J06083D01, Engineering Services - Heating, Ventilation, and Air Conditioning System Improvements in Buildings 234, 235, 243, and 256
- 7 **21-102-7** Contract J06082D01, Engineering Services, Jones Island Water Reclamation Facility Flood Resiliency Improvements
- 8 **21-103-7** Award of Contract S06038C17, Stop Logs for the South Shore Water Reclamation Facility
- 9 **21-104-7** Contract W40012D01, Engineering Services, Kinnickinnic River Reach 2 South 6th to 16th Street Final Design
- 10 **21-105-7** Award of Contract W40016C01, Kinnickinnic River Sewer Modifications, and Approve Changes in Total Project Cost
- 11 **21-106-7** Contract TS-2685, On-Call Engineering Services for Electrical, Instrumentation, and Control Projects
- 12 **21-107-7** Approval of 2021 Green Solutions Program Projects G98005P51 Change Order 1, G98005P53 Change Order 1, G98005P64, G98005P66, G98005P76, G98005P78, G98005P81, and G98005P82
- 13 **21-108-7** Award of Contract M03107P01, Process Modeling Services - Water Reclamation Facilities, and Approve Changes in Total Project Cost
- 14 **21-109-7** Approval of Funding Agreement M10005ME01 Under Project M10005, 2021 City of Mequon Private Property Infiltration and Inflow Reduction Project

ORGANIZATION & ADMINISTRATION

21-001-1 EXECUTIVE DIRECTOR'S REPORT

A. Monthly Reports

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.

A handwritten signature in cursive script, appearing to read "anna Kettlewell", is positioned above a horizontal line.

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, June 14, 2021

9:00 AM

Dennis M. Grzezinski Conference Room

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

Commissioner Johnson arrived at 9:18 a.m. during Item #3.

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

Approval of Proceedings of Regular Committee Meeting held May 10, 2021

A motion was made by Commissioner Kennedy, seconded by Commissioner Martinsek. The motion carried.

NEW BUSINESS

- 1 21-077-6 Change Order Request, Contract J04037C01, Thickened Activated Sludge Flow and Density Meters Upgrade at Jones Island Water Reclamation Facility
- The Committee received a PowerPoint presentation from Michael Martin, Director of Technical Services, with comments by Kevin L. Shafer, P.E., Executive Director.*
- A motion was made by Commissioner Kennedy, seconded by Commissioner Devine, that this matter be approved by a voice vote. The motion carried by a unanimous voice vote.**

- 2 21-078-6 Award of Contract J04061C03, Programmable Logic Control 5 Upgrade in the Dewatering and Drying Facility (Rebid), and Approve Changes in Total Project Cost
- 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 voice vote. The motion carried by a unanimous voice vote.**
- 3 21-079-6 Change Order Request, Contract J04064E01, Preliminary Engineering, Jones Island Water Reclamation Facility Chaff System Improvements
- The Committee received a PowerPoint presentation from Michael Martin, Director of Technical Services.*
- Commissioner Johnson arrived at 9:18 a.m. during this presentation.*
- A motion was made by Commissioner Kennedy, seconded by Commissioner Johnson, that this matter be approved by a voice vote. The motion carried by a unanimous voice vote.**
- 4 21-080-6 Award of Contract J06075C17, Bar Screen Nos. 1, 2, 4, 7, and 8 Rehabilitation and Bar Screen No. 6 Replacement at the Jones Island Water Reclamation Facility
- The Committee received a PowerPoint presentation from Michael Martin, Director of Technical Services.*
- A motion was made by Commissioner Johnson, seconded by Commissioner Devine, that this matter be approved by a voice vote. The motion carried by a unanimous voice vote.**
- 5 21-081-6 Award of Contract S06038C16, Waste Activated Sludge Pump Replacements 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 Johnson, seconded by Commissioner Martinsek, that this matter be approved by a voice vote. The motion carried by a unanimous voice vote.**
- 6 21-082-6 Review of the 2020 Wisconsin Department of Natural Resources Compliance Maintenance Annual Reports for the Jones Island and South Shore Water Reclamation Facilities
- The Committee received a PowerPoint presentation from Michael Martin, Director of Technical Services.*
- A motion was made by Commissioner Devine, seconded by Commissioner Buklewicz, that this matter be approved by a voice vote. The motion carried by a unanimous voice vote.**

- 7 21-083-6 Approval of 2021 Green Infrastructure Partnership Program Projects G98004P69, G98004P72, G98004P78, G98004P80, and G98004P81
- The Committee received a PowerPoint presentation from Bre Plier, Manager of Sustainability.*
- A motion was made by Commissioner Bukiewicz, seconded by Commissioner Johnson, that this matter be approved by a voice vote. The motion carried by a voice vote.
- 8 21-084-6 Award of Contract M03108P01, Impact of Water Levels on District Assets, Water Reclamation Facilities and District Headquarters
- The Committee received a PowerPoint presentation from Micki Klappa-Sullivan, Manager of Engineering Planning.*
- A motion was made by Commissioner Johnson, seconded by Commissioner Kennedy, that this matter be approved by a voice vote. The motion carried by a unanimous voice vote.
- 9 21-085-6 Award of Contract J06085P01, Jones Island Water Reclamation Facility Administrative and Maintenance Facilities Space Planning Analysis
- The Committee received a PowerPoint presentation from Micki Klappa-Sullivan, Manager of Engineering Planning.*
- A motion was made by Commissioner Johnson, seconded by Commissioner Bukiewicz, that this matter be approved by a voice vote. The motion carried by a unanimous voice vote.
- 10 21-086-6 Award of Contract C01006E02, Metropolitan Interceptor Sewer Condition Assessment Project, and Approve Changes in Total Project Cost
- The Committee received a PowerPoint presentation from Micki Klappa-Sullivan, Manager of Engineering Planning.*
- Commissioner Martinsek was out of the room for this matter.*
- A motion was made by Commissioner Devine, seconded by Commissioner Kennedy, that this matter be approved by a voice vote. The motion carried by a unanimous voice vote.
- 11 21-087-6 Approval of Funding Agreement M10005MI02 Under Project M10005, 2021 City of Milwaukee Private Property Infiltration and Inflow Reduction Project
- The Committee received a PowerPoint presentation from Jerome Flogel, Senior Project Manager.*
- A motion was made by Commissioner Johnson, seconded by Commissioner Kennedy, that this matter be approved by a voice vote. The motion carried by a unanimous voice vote.

ORGANIZATION & ADMINISTRATION

21-001-1

EXECUTIVE DIRECTOR'S REPORT

A. Monthly Reports

A. The Commission received a presentation from Kevin L. Shafer, P.E., Executive Director, on some recent District publicity.

ADJOURNMENT

It was moved by Commissioner Kennedy, seconded by Commissioner Devine, to adjourn. The motion carried.

As there was no further business, the meeting was adjourned at 10:02 a.m.



Anna Kettlewell, Commission Secretary
Milwaukee Metropolitan Sewerage District

COMMISSION FILE NO: 21-096-7 **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: Award of Contract C06022C01, Metropolitan Interceptor Sewer System Conveyance Structures Improvements

SUMMARY:

The Commission is requested to award and to direct the Executive Director to execute on behalf of the District Contract C06022C01, Metropolitan Interceptor Sewer (MIS) System Conveyance Structures Improvements, to Cornerstone One, LLC, in the amount of \$527,964. Cornerstone One, LLC, was the lowest, responsible bidder between two bids received.

The District owns multiple structures used to control flow of wastewater to the Inline Storage System (Deep Tunnel), the Jones Island Water Reclamation Facility, or the South Shore Water Reclamation Facility. Diversions are used by the District and Veolia Water Milwaukee (VWM) to direct wastewater flows during wet weather or for maintenance on downstream facilities. These chambers are part of the District's major conveyance system improvements constructed in the late 1980's and early 1990's.

Routine inspections performed by the District and VWM indicate that existing Diversion Chamber 60803 (South 7th Street and West Scott Street) and Splitting Structure 60801 (South 4th Street and West Scott Street) have experienced interior concrete deterioration due to high hydrogen sulfide (H₂S) levels. The deterioration has reduced the remaining useful life of the structures. In addition, isolation gates within these structures that facilitate flow diversions have experienced multiple operational failures in the past and are difficult to access for maintenance.

MIS Structure 85048 (North 13th Street and West Clybourn Street) has a static concrete weir and serves as an overflow structure. The District and VWM have identified the need to provide variable control of this overflow to enhance system control during flow diversions.

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

OP_C06022C01_MIS_Conveyance Struct_Improvement_legislative_file.docx
06-22-21

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Award of Contract C06022C01, Metropolitan Interceptor Sewer System Conveyance Structures Improvements

Under this proposed contract, the contractor will perform the following work:

At Diversion Chamber 60803 and Splitting Structure 60801:

- Apply a structural lining system.
- Remove and replace fabricated steel isolation gates.
- Remove and replace concrete top decks, precast access hatches, manhole steps, concrete fillets, and access manholes.

At MIS Structure 85048:

- Complete partial demolition of the existing concrete weir.
- Construct stop log weir system.
- Construct improvements to facilitate operation of stop log system.

Work at all sites will ensure continued reliable conveyance system operations and control. The work at Diversion Chamber 60803 and Splitting Structure 60801 will restore the useful service life of the structures by an estimated 20 years.

The duration of the contract is 255 calendar days.

RESOLUTION

Award of Contract C06022C01, Metropolitan Interceptor Sewer System Conveyance Structures Improvements

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that Contract C06022C01, Metropolitan Interceptor Sewer System Conveyance Structures Improvements, is awarded to Cornerstone One, LLC, in the amount of \$527,964, and that the Executive Director is directed to execute a contract on behalf of the District.



Capital Budget Fiscal Note

Total Project Cost

RELATING TO:

Award of Contract C06022C01, Metropolitan Interceptor Sewer System Conveyance Structures Improvements

Capital Project Number(s)

C06022

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

\$1,030,000

Previously Approved Changes

\$0

Approved Total Project Cost

\$1,030,000

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

There is sufficient funding for the request of \$527,964.

Budget Review by:

Christine Durkin

Date:

6/11/2021

Award of Contract C06022C01, Metropolitan Interceptor Sewer System Conveyance Structures Improvements



Procurement & S/W/MBE Summary Information

Contract # C06022C01 **Cost Center:** ENG

Metropolitan Interceptor Sewer System Conveyance Structures Improvements

BID SUMMARY

Bid Opening Date: 5/31/2021

	Total	SWMBE	Local
# of Bids	2	1	1
# of Responsive Bids	2	1	1

Bidders	Price	Responsive?	Responsible?	% Sub	% SWMBE
CornerStone One, LLC Brookfield, WI 53045	\$527,964.00	Responsive	Responsible	81.3%	43.2%
Terra Engineering & Construction Corp. Madison, WI 53718 (SBE)	\$747,000.00	Responsive	Responsible	Not provided	20.0%

SUBCONTRACTOR INFORMATION

Type	Subcontractor Name	Type of Work	%	Amount
MBE	Arrow-Crete Concrete Cudahy, WI 53110	Pouring surface concrete	3.5%	\$18,500.00
MBE	Hard Rock Sawing & Drilling Elkhorn, WI 53121	Surface sawcut & structure sawcutting	2.5%	\$13,000.00
SBE	Metropolitan Services Brookfield, WI 53005	Supplier/distributor of traffic control	1.8%	\$9,500.00
SBE	Price and Sons Milwaukee, WI 53216	Supplier/distributor	9.5%	\$50,000.00
SBE	Szada Trucking Milwaukee, WI 53221	Trucking	0.2%	\$1,000.00
WBE	Conco Spray Solutions, LLC Indianapolis, IL 46236	Structural lining system	25.8%	\$135,970.00
Non-SWMBE	Hunzinger Construction Brookfield, WI 53045	Concrete structural work	37.6%	\$198,410.00
Non-SWMBE	Christman Paving Colgate, WI 53017	Asphalt restoration	0.6%	\$3,000.00

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 sewer construction, demolition, concrete preparation, landscaping and restoration and sent targeted e-mails to six SWMBE firms in those categories. 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, Terra Engineering & Construction Corp., Conco Spray Solutions, Broadway Construction, LLC

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

NA

Additional Comments:

NA

AWARDEE INFORMATION

Company: CornerStone One LLC
Contact Person: Dennis Laney
Phone Number: (414) 993-8022
E-mail Address: dennis.laney@cstoneone.com

EEO DATA

20865 Enterprise Avenue,
Location: Brookfield, WI 53045

Total # of Employees 114

	<u>Total</u>	<u>%</u>
Minorities	<u>9</u>	<u>7.9%</u>
Asian	<u>0</u>	<u>0.0%</u>
Black or African American	<u>1</u>	<u>0.9%</u>
Hispanic or Latino	<u>8</u>	<u>7.0%</u>
Native American	<u>0</u>	<u>0.0%</u>
Other Minority	<u>0</u>	<u>0.0%</u>

	<u>Total</u>	<u>%</u>
Females	<u>8</u>	<u>7.0%</u>
Asian	<u>0</u>	<u>0.0%</u>
Black or African American	<u>0</u>	<u>0.0%</u>
Hispanic or Latino	<u>1</u>	<u>0.9%</u>
Native American	<u>0</u>	<u>0.0%</u>
Other Minority	<u>0</u>	<u>0.0%</u>

Labor Market Availability - Minorities 22.0%

Labor Market Availability - Females 49.0%

COMMISSION FILE NO: 21-097-7 **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: Authorizing the Executive Director to Execute a Purchase Order for Material Capital Repair or Replacement No. 1386, Jones Island Water Reclamation Facility Dewatering and Drying Building Belt Filter Press Central Exhaust Fans 1, 3, 5, and 6 Replacements, Project J06075

SUMMARY:

The Commission is requested to authorize the Executive Director to execute a purchase order with Veolia Water Milwaukee, LLC, (VWM) for Material Capital Repair or Replacement (MCRR) No. 1386, Jones Island Water Reclamation Facility (JIWRF) Dewatering and Drying (D&D) Building Belt Filter Press (BFP) Central Exhaust Fans 1, 3, 5, and 6 Replacements, in an amount not to exceed \$1,237,491.

At JIWRF, 24 BFP's are used to dewater biosolids to create wet feed cake for the rotary dryers. The rotary dryers and downstream processes then produce Milorganite®. The BFP's are grouped in six banks, each containing four BFP's. Each of the six banks uses a single 125-horsepower exhaust fan to remove moist air from the area directly below the BFP's. This air contains traces of methane and sulfur dioxide that, if not removed, present both a risk to worker health and corrosive degradation to structural and controls equipment. All six exhaust fans are currently in service, but a recent inspection noted the following concerns that result in a staff recommendation to replace exhaust fans 1, 3, 5, and 6.

- Internal structural supports, framework, and hardware are badly corroded and no longer safely support fans, motors, and housing.
- Fan bushings and motor shafts are highly corroded.
- Access doors and latches are cracked.
- Housing insulation is worn and missing.
- Aluminum ductwork is deteriorated, corroded, and brittle from moisture and age.
- Access platform floor grates inside fan enclosure are rusted and unsafe on which to walk.

ATTACHMENTS: **BACKGROUND** ☐ **KEY ISSUES** ☐ **RESOLUTION** ☒

FISCAL NOTE ☒ **S/W/MBE** ☒ **OTHER** ☐ _____

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06-18-21

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Authorizing the Executive Director to Execute a Purchase Order for Material Capital Repair or Replacement No. 1386, Jones Island Water Reclamation Facility Dewatering and Drying Building Belt Filter Press Central Exhaust Fans 1, 3, 5, and 6 Replacements, Project J06075

Replacement of these fans and enclosures will allow for safe continuous operation of the BFP's for the next 20 years. The District had replaced exhaust fans 2 and 4 in early 2020.

Under this MCRR, the construction contractor will:

- Remove and dispose existing exhaust fans, enclosures, and ductwork.
- Furnish and install four new 125-horsepower centrifugal exhaust fans and ductwork, reconfigured for more efficient operation and access.
- Install new expansion joints connecting new fans to existing upstream and downstream ductwork.
- Replace motor starters and wiring.
- Reestablish and test safety interlocks with fire protection equipment.
- Perform system startup and testing.

VWM competitively bid the work and Lee Mechanical was the lowest responsible and responsive bidder between two bids received. The purchase order will be issued to VWM, which is responsible for managing and overseeing the contract with Lee Mechanical.

Consistent with the Agreement for Operations and Maintenance with VWM, the purchase order includes \$138,591 overhead and markup for VWM. This is in addition to the \$1,098,900 contract amount for Lee Mechanical, resulting in a total purchase order amount of \$1,237,491.

The duration of the contract is 210 days from the notice to proceed to the contractor.

RESOLUTION

Authorizing the Executive Director to Execute a Purchase Order for Material Capital Repair or Replacement No. 1386, Jones Island Water Reclamation Facility Dewatering and Drying Building Belt Filter Press Central Exhaust Fans 1, 3, 5, and 6 Replacements, Project J06075

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute a purchase order with Veolia Water Milwaukee, LLC, for Material Capital Repair or Replacement No. 1386, Jones Island Water Reclamation Facility Dewatering and Drying Building Belt Filter Press Central Exhaust Fans 1, 3, 5, and 6 Replacements, in an amount not to exceed \$1,237,491.



Capital Budget Fiscal Note

Total Project Cost

RELATING TO:

Authorizing the Executive Director to Execute a Purchase Order for Material Capital Repair or Replacement No. 1386, Jones Island Water Reclamation Facility Dewatering and Drying Building Belt Filter Press Central Exhaust Fans 1, 3, 5, and 6 Replacements, Project J06075

Capital Project Number(s)

J06075

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

\$15,628,145
\$0
\$15,628,145
n/a
\$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:

5/27/2021

Authorizing the Executive Director to Execute a Purchase Order for Material Capital Repair or Replacement No. 1386, Jones Island Water Reclamation Facility Dewatering and Drying Building Belt Filter Press Central Exhaust Fans 1, 3, 5, and 6 Replacements, Project J06075



Procurement & S/W/MBE Summary Information

Contract # MCRR 1386 **Cost Center:** Veolia

Jones Island Water Reclamation Facility Dewatering and Drying Building Belt Filter Press Central Exhaust Fans 1, 3, 5, 6 Replacements

BID SUMMARY

Bid Opening Date: 5/7/2021

	Total	SWMBE	Local
# of Bids	2	0	2
# of Responsive Bids	2	0	2

Bidders	Price	Responsive?	Responsible?	% Sub	% SWMBE
Lee Plumbing Mechanical Contractors, Inc. Kenosha, WI 53140	\$ 1,098,900.00	Responsive	Responsible	57.3%	1.4%
Butters Fetting Co., Inc. Milwaukee, WI	\$ 1,196,000.00	Responsive	Responsible	48.0%	3.7%

SUBCONTRACTOR INFORMATION

Type	Subcontractor Name	Type of Work	%	Amount
MBE	Thomas A Mason Milwaukee, WI 53212	Painting	1.4%	\$ 14,998.00
Non-SWMBE	Doral Corporation Milwaukee, WI 53207	Fabrication, rigging & demolition	37.4%	\$ 411,000.00
Non-SWMBE	Johnson Controls Wauwatosa, WI 53222	Controls	3.1%	\$ 34,237.00
Non-SWMBE	Pieper Electric New Berlin, WI 53151	Electrical	15.4%	\$ 169,770.00

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 n sent targeted e-mails to potential prime bidders and sent targeted e-mails to SWMBE firms. The bid opportunity is also publicly accessible from the Veolia and QuestCDN websites.

S/W/MBE Planholders:

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

Over 70% of this is project for material and equipment leaving limited opportunities for SWMBE participation. Lee Plumbing Mechanical Contractors sought SWMBE participation by soliciting nine SWMBE firms related to construction, painting, and electrical. Eight SWMBE firms did not submit bids. One painting SWMBE submitted a bid and it was accepted for this project.

Additional Comments:

n/a

AWARDEE INFORMATION

Company: Lee Plumbing Mechanical Contractors
Contact Person: Dave Ruffalo
Phone Number: 262-771-5214
E-mail Address: druffalo@selectlee.com

EEO DATA

Local or National Office? National Total # of Employees 208

	<u>Total</u>	<u>%</u>		<u>Total</u>	<u>%</u>
Minorities	10	4.8%	Females	16	7.7%
African American	4	1.9%	African American	1	0.5%
Asian	1	0.5%	Asian	0	0.0%
Hispanic	5	2.4%	Hispanic	1	0.5%
Native American	0	0.0%	Native American	0	0.0%

Labor Market Availability - Minorities 20.0%

Labor Market Availability - Females 48.0%

COMMISSION FILE NO: 21-098-7 **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: Authorizing the Executive Director to Execute a Purchase Order for Material Capital Repair or Replacement No. 1426, Jones Island Water Reclamation Facility Dewatering and Drying Building Baghouses Rotary Valve Replacements (Project J06075)

SUMMARY:

The Commission is requested to authorize the Executive Director to execute a purchase order with Veolia Water Milwaukee, LLC, (VWM) for Material Capital Repair or Replacement No. 1426, Jones Island Water Reclamation Facility (JIWRF) Dewatering and Drying (D&D) Building Baghouses Rotary Valve Replacements (Project J06075), in an amount not to exceed \$251,270.

At JIWRF, the D&D Facility processes biosolids from both JIWRF and the South Shore Water Reclamation Facility and produces Milorganite®. Transport of Milorganite® through process equipment creates significant dust, chaff, and particulate matter that must be captured and disposed. This material must be removed, as otherwise it can create explosion and health risks and is required to be removed by both the District's air permit and Occupational Safety and Health Administration workplace standards. The D&D Facility utilizes two dust collection baghouses to remove dust from portions of the Milorganite® process and transport equipment. One baghouse is dedicated to drying and recycle equipment, and the other baghouse is dedicated to classification and sizing equipment. An exhaust fan dedicated to each baghouse creates a slight negative pressure inside of the process equipment, preventing dust from being released to the atmosphere.

Each baghouse contains three compartments that collect and contain accumulated dust. At the base of each compartment is a rotary valve (for total of six valves) with eight vanes that rotate to pass dust to downstream conveying equipment while creating a seal within the valve housing.

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

OP_Auth_Purchase_MCRR_1426_JIDD_Baghouses_Rotary_Valves_legislative_file.docx
06-22-21

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Authorizing the Executive Director to Execute a Purchase Order for Material Capital Repair or Replacement No. 1426, Jones Island Water Reclamation Facility Dewatering and Drying Building Baghouses Rotary Valve Replacements (Project J06075)

The two D&D baghouses do not have redundancy and are the only way that dust is removed from the drying and classification equipment. It is highly critical that dust is continuously removed from equipment; accumulation of dust on equipment, floors, and building structures presents a safety hazard for slipping and can become a source for fire or explosion. For this reason, if either baghouse goes out of service, the drying and classification equipment will automatically shut down to prevent escape of fugitive dust, and the building will have to be taken out of service.

The baghouse rotary valves have been in service since 1994 and have reached the end of their useful service life. Following are issues that have been identified.

- Vane clearances are beyond adjustment and allowable tolerances, affecting capacity and efficiency.
- Bearings are failing.
- Shaft and motor seals are beyond adjustment and are leaking oil.
- The rotary valve casings are wearing thin and have great potential for developing holes.

One of the rotary valves was replaced in 2017. Staff recommends replacing the remaining rotary valves to allow reliable operation of baghouse for at least the next 20 years. This proposed contract will replace the remaining five rotary valves.

Under this contract, at each of the six compartments the construction contractor will:

- Disconnect power supply, motion switch, and seal air assembly from existing rotary airlock valve.
- Remove existing rotary airlock valve and drive.
- Purchase and install new rotary airlock valve and drive with new gaskets.
- Reconnect power supply.
- Replace seal air purge assembly.
- Replace motion switch assembly.
- Perform seven-day run to prove functionality.

VWM competitively bid the work, and Doral Corporation (Doral) was the lowest responsible and responsive bidder between two bids received. The purchase order will be issued to VWM, which is responsible for managing and overseeing the contract with Doral.

SUMMARY (Cont'd)

Authorizing the Executive Director to Execute a Purchase Order for Material Capital Repair or Replacement No. 1426, Jones Island Water Reclamation Facility Dewatering and Drying Building Baghouses Rotary Valve Replacements (Project J06075)

Consistent with the Agreement for Operations and Maintenance with VWM, the purchase order includes \$28,370 overhead, markup and advertising costs for VWM. This is in addition to the \$222,900 contract amount for Doral, resulting in a total purchase order amount of \$251,270.

The duration of the contract is 180 days from the notice to proceed to the contractor.

RESOLUTION

Authorizing the Executive Director to Execute a Purchase Order for Material Capital Repair or Replacement No. 1426, Jones Island Water Reclamation Facility Dewatering and Drying Baghouses Rotary Valve Replacements (Project J06075)

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute a purchase order with Veolia Water Milwaukee, LLC, for Material Capital Repair or Replacement No. 1426, Jones Island Water Reclamation Facility Dewatering and Drying Building Baghouses Rotary Valve Replacements (Project J06075) in an amount not to exceed \$251,270.



Capital Budget Fiscal Note

Total Project Cost

RELATING TO:

Authorizing the Executive Director to Execute a Purchase Order for Material Capital Repair or Replacement No. 1426, Jones Island Water Reclamation Facility Dewatering and Drying Building Baghouses Rotary Valve Replacements (Project J06075)

Capital Project Number(s)

J06075

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

\$15,628,145
\$0
\$15,628,145
n/a
\$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

There is sufficient funding for the request of \$251,270.

Budget Review by:

Christine Durkin

Date:

6/7/2021

Authorizing the Executive Director to Execute a Purchase Order for Material Capital Repair or Replacement No. 1426, Jones Island Water Reclamation Facility Dewatering and Drying Building Baghouses Rotary Valve Replacements (Project J06075)



Procurement & S/W/MBE Summary Information

Contract # MCRR 1426 **Cost Center:** Veolia

Jones Island Water Reclamation Facility Dewatering and Drying Building Baghouses Rotary Valve Replacements

BID SUMMARY

Bid Opening Date: 5/7/2021

	Total	SWMBE	Local
# of Bids	2	0	2
# of Responsive Bids	2	0	2

Bidders	Price	Responsive?	Responsible?	% Sub	% SWMBE
Doral Corporation Milwaukee, WI 53207	\$ 222,900.00	Responsive	Responsible	1.8%	0.0%
Price Erecting, Inc. Milwaukee, WI 53214 (WBE)	\$ 244,630.00	Responsive	Responsible	1.0%	99.0%

SUBCONTRACTOR INFORMATION

Type	Subcontractor Name	Type of Work	%	Amount
Non-SWMBE	NEXT Electric Waukesha, WI 53186	Electrical	1.8%	\$4,000.00

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 targeted e-mails to potential prime bidders, and sent targeted e-mails to SWMBE firms. The bid opportunity is also publicly accessible from the Veolia and QuestCDN websites.

S/W/MBE Planholders:

Belonger Corporation; Mid City Corporation; Zien Mechanical Contractors

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

Over 85% of this project is material and equipment, leaving limited opportunities for SWMBE participation. Doral Corporation sought SWMBE participation by soliciting one SWMBE firm (parts supplier). Due to the significant bid price difference of the SWMBE firm and the OEM supplier, the SWMBE firm's bid price was rejected for this project.

Additional Comments:

n/a

AWARDEE INFORMATION

Company:	Doral Corporation
Contact Person:	Calvin Czajka
Phone Number:	414-531-4843
E-mail Address:	calvin.czajka@doralcorp.net

EEO DATA

Local or National Office?		National	Total # of Employees		186
	Total	%		Total	%
Minorities	42	22.6%	Females	7	3.8%
African American	6	3.2%	African American	0	0.0%
Asian	1	0.5%	Asian	1	0.5%
Hispanic	33	17.7%	Hispanic	0	0.0%
Native American	2	1.1%	Native American	0	0.0%
<i>Labor Market Availability - Minorities</i>		20.0%	<i>Labor Market Availability - Females</i>		48.0%

COMMISSION FILE NO: 21-099-7 **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: Award of Contract J06075C20, Dryer 1 Ring and Pinion Gear Replacement and Alignment at the Jones Island Water Reclamation Facility

SUMMARY:

The Commission is requested to award and to direct the Executive Director to execute on behalf of the District Contract J06075C20, Dryer 1 Ring and Pinion Gear Replacement and Alignment at the Jones Island Water Reclamation Facility (JIWRF), to Grunau Company, Inc., (Grunau) in the amount of \$325,663. Grunau was the lowest responsible, responsive bidder and was the only firm to bid on this project.

At JIWRF, Milorganite® is produced within the Drying and Dewatering Facility. The Milorganite® production process utilizes up to 12 rotary sludge dryers to heat-dry dewatered biosolids. The motor drives the gear reducers, which in turn drive the pinion and ring gears and rotate the dryer drum. The dryer drum rotates on steel tires that are attached to the drum and supported by four trunnion wheel assemblies consisting of a trunnion wheel, shaft, and bearings.

Dryer 1 is currently out of service due to excessive vibrations in the gearing system. It is necessary to either repair or replace the ring and pinion gears to return Dryer 1 to service.

Due to the current excessive solids volume at both water reclamation facilities, it is desirable to return Dryer 1 to service as soon as possible; therefore, District staff issued a purchase order to Grunau under Executive Director authority in the amount of \$87,245 for selected bid Items from Contract J06075C20. The completion of the work outlined in these bid items will allow the ring gear to be inspected and, if its condition allows, flipped over for reuse and the dryer placed back in service. This work is being completed in July 2021, and the dryer will be placed back in service.

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

*OP_Award_J06075C20_Dryer1_Ring_Gear_legislative
06-22-21*

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Award of Contract J06075C20, Dryer 1 Ring and Pinion Gear Replacement and Alignment at the Jones Island Water Reclamation Facility

Following is the work being performed under the \$87,245 purchase order:

- Remove and assess the structural integrity of the ring gear.
- If acceptable for continued service, flip and reinstall the ring gear.
- Replace the pinion gear.
- Furnish a new gear flange on the drum shell.

Following is the work remaining to be performed under the remaining \$238,418 of Contract J06075C20:

- Furnish a new ring gear to be used as a spare or to be put into service if the existing ring gear has insufficient structural integrity.
- Inspect and resurface the feed and discharge end dryer drum steel tires and associated trunnions.
- Align the drive train and dryer.
- Provide a report of all inspections, activities, and corrective actions.

The total duration of this contract is 13 months.

RESOLUTION

Award of Contract J06075C20, Dryer 1 Ring and Pinion Gear Replacement and Alignment at the Jones Island Water Reclamation Facility

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that Contract J06075C20, Dryer 1 Ring and Pinion Gear Replacement and Alignment at the Jones Island Water Reclamation Facility, is awarded to Grunau Company, Inc., in the amount of \$325,663, and that the Executive Director is directed to execute a contract on behalf of the District.



Capital Budget Fiscal Note

Total Project Cost

RELATING TO:

Award of Contract J06075C20, Dryer 1 Ring and Pinion Gear Replacement and Alignment at the Jones Island Water Reclamation Facility

Capital Project Number(s)

J06075

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

\$15,628,145

Previously Approved Changes

\$0

Approved Total Project Cost

\$15,628,145

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

There is sufficient funding for the request of \$325,663.

Budget Review by:

Christine Durkin

Date:

6/15/2021

Award of Contract J06075C20 Dryer 1 Ring and Pinion Gear Replacement and Alignment at the Jones Island Water Reclamation Facility



Procurement & S/W/MBE Summary Information

Contract # J06075C20 **Cost Center:** OCC

Dryer 1 Ring and Pinion Gear Replacement and Alignment at the Jones Island Water Reclamation Facility

BID SUMMARY

Bid Opening Date: 6/3/2021

	Total	SWMBE	Local
# of Bids	1	0	1
# of Responsive Bids	1	0	1

Bidders	Price	Responsive?	Responsible?	% Sub	% SWMBE
Grunau Company, Inc. Oak Creek, WI 53154	\$325,663.00	Responsive	Responsible	71.2%	0.0%

SUBCONTRACTOR INFORMATION

Type	Subcontractor Name	Type of Work	%	Amount
Non-SWMBE	Feeco International Green Bay, WI 54311	Gear replacement & grinding	70.0%	\$227,885.00
Non-SWMBE	Team Industrial Services Newport, MN 55055	Non-destructive testing	1.2%	\$4,006.00

ECONOMIC DEVELOPMENT ELEMENTS

Workforce Requirements

Sanitary Sewer Service Area (SSSA)

Employment: 0%

Target Area (TA) Employment: 0%

Apprentices Required: 0

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:

Precision Rotary Equipment; Zien Mechanical Contractors

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

Highly specialized work. Grunau requested quotes from 3 S/W/MBE mechanical firms for millwright labor but did not receive any quotes.

Additional Comments:

Local workforce requirements were waived on this project due to the highly specialized nature of this work and limited local contractor availability.

AWARDEE INFORMATION

Company:	Grunau Company, Inc.
Contact Person:	Scott McFarren
Phone Number:	(414) 216-6953
E-mail Address:	Scott.McFarren@grunau.us

EEO DATA

1100 W. Anderson Court			Total # of Employees			390
Location: Oak Creek, WI 53154						
	Total	%		Total	%	
Minorities	28	7.2%	Females	55	14.1%	
African American	5	1.3%	African American	0	0.0%	
Asian	1	0.3%	Asian	0	0.0%	
Hispanic	17	4.4%	Hispanic	2	0.5%	
Native American	2	0.5%	Native American	0	0.0%	
<i>Labor Market Availability - Minorities</i>			<i>Labor Market Availability - Females</i>			
22.0%			49.0%			

COMMISSION FILE NO: 21-100-7 **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: Reject Bids for Contract J06080C06, Tunnel 271 Piping Replacement and Structural Repairs at the Jones Island Water Reclamation Facility

SUMMARY:

The Commission is requested to authorize and direct the Executive Director to reject all bids for Contract J06080C06, Tunnel 271 Piping Replacement and Structural Repairs at the Jones Island Water Reclamation Facility (JIWRF).

JIWRF has multiple tunnels that connect facilities and provide space for piping, including sludge, natural gas (NG), water, and air piping. Within one tunnel, the NG, process air, and instrument air lines require replacement, as water leaking through the tunnel walls has caused these pipes to corrode. To address these issues, District staff developed a bid package (J06080C06) that consisted of replacing portions of the above pipelines and performing tunnel grouting to reduce water leakage into the tunnel.

The District publicly advertised and received bids for this contract in May 2021. The District received two bids as shown below and determined both bids to be responsive and responsible.

Bidder	Bid Amount
Lee Plumbing Mechanical Contractors, Inc.	\$679,300
Zien Service, Inc.	\$705,355

The low bid came in significantly higher than estimated (\$150,000). While the cost of the pipeline replacement was reasonable, the tunnel grouting work was significantly higher than the estimate.

ATTACHMENTS: **BACKGROUND** ☐ **KEY ISSUES** ☐ **RESOLUTION** ☒

FISCAL NOTE ☐ **S/W/MBE** ☐ **OTHER** ☐ _____

OP_Reject_J06080C06_Tunnel_Piping_legislative_file.docx
06-22-21

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Reject Bids for Contract J06080C06, Tunnel 271 Piping Replacement and Structural Repairs at the Jones Island Water Reclamation Facility

District staff recommends that the Commission reject all bids. Staff is investigating the reason for the high bid. After determining the reason, staff will reconfigure the contract, readvertise, and publicly bid this reconfigured contract.

RESOLUTION

Reject Bids for Contract J06080C06, Tunnel 271 Piping Replacement and Structural Repairs at the Jones Island Water Reclamation Facility

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized and directed to reject all bids for Contract J06080C06, Tunnel 271 Piping Replacement and Structural Repairs at the Jones Island Water Reclamation Facility.

COMMISSION FILE NO: 21-101-7 **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 J06083D01, Engineering Services – Heating, Ventilation, and Air Conditioning System Improvements in Buildings 234, 235, 243, and 256

SUMMARY:

The Commission is requested to authorize the Executive Director to execute on behalf of the District Contract J06083D01, Engineering Services – Heating, Ventilation, and Air Conditioning (HVAC) System Improvements in Buildings 234, 235, 243, and 256, with Symbiont Science, Engineering and Construction, Inc., (Symbiont) in an amount not to exceed \$359,846. Symbiont was the highest scoring proposer based on a qualifications-based selection method among five proposals received.

The Jones Island Water Reclamation Facility has approximately 41 buildings which need to have some form of HVAC system. Four of these buildings have HVAC equipment that has reached the end of their useful services lives and/or no longer provides sufficient heating or cooling.

These buildings are as follows:

- Return Activated Sludge (RAS) Pump Station (Building 234)
- Waste Activated Sludge (WAS) Pump Station (Building 235)
- Chemical Unloading Facility (Building 243)
- Thickening Building (Building 256)

ATTACHMENTS: **BACKGROUND** ☐ **KEY ISSUES** ☐ **RESOLUTION** ☒

FISCAL NOTE ☒ **S/W/MBE** ☒ **OTHER** ☐ _____

OP_Award_J06083D01_HVAC_System_Improvements_legislative_file.docx
06-16-21

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Contract J06083D01, Engineering Services – Heating, Ventilation, and Air Conditioning System Improvements in Buildings 234, 235, 243, and 256

Some of the HVAC issues are as follows:

- The RAS Pump Station has insufficient heating, making it difficult to keep portions of the building warm in very cold weather. Some areas are essentially uninhabitable in winter. The HVAC system is 39 years old.
- The HVAC in the WAS Pump Station has been in service since 1982 and is original to the building. It has exceeded its useful service life and staff recommends replacement.
- The Chemical Unloading Facility's HVAC system is 38 years old, which is nearly double the expected life of such equipment. The west wing of building has inadequate heat in very cold weather.
- The main control room in the Thickening Building has two air conditioning units that need to be replaced, due to their age and condition. The building also has a failed HVAC control panel.

The purpose of this project is to provide reliable and energy efficient HVAC in each of the above buildings.

Under Contract J06083D01, the consultant will perform the following services:

- Conduct preliminary design evaluations for HVAC system replacements and improvements for building equipment and occupants, while increasing energy efficiency.
- Design the recommended HVAC system replacements and improvements.
- Prepare bid and construction contract documents (plans and specifications).
- Provide engineering services during construction.

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

The duration for this contract is approximately 49 months.

RESOLUTION

Contract J06083D01, Engineering Services – Heating, Ventilation, and Air Conditioning System Improvements in Buildings 234, 235, 243, and 256

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute Contract J06083D01, Engineering Services – Heating, Ventilation, and Air Conditioning System Improvements in Buildings 234, 235, 243, and 256, with Symbiont Science, Engineering and Construction, Inc., in an amount not to exceed \$359,846.



Capital Budget Fiscal Note

Total Project Cost

RELATING TO:

Contract J06083D01, Engineering Services – Heating, Ventilation, and Air Conditioning System Improvements in Buildings 234, 235, 243, and 256

Capital Project Number(s)

J06083

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

\$1,847,000
\$0
\$1,847,000
n/a
\$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:

Christine Durkin

Date:

6/7/2021

Contract J06083D01, Engineering Services – Heating, Ventilation, and Air Conditioning System Improvements in Buildings 234, 235, 243, and 256



Procurement & S/W/MBE Summary Information

Contract # J06083D01

Cost Center: ENG

Engineering Services – HVAC System Improvements in Buildings 234, 235, 243, and 256

PROPOSAL SUMMARY

Proposal Receipt Date: 4/30/2021

	Total	SWMBE	Local
# of Proposals	5	1	4
# of Acceptable Proposals	1	0	1

Proposals <i>(listed by rank)</i>	Negotiated Price	Acceptable?	% Sub	% SWMBE
	<i>Submitted Price</i>			
Symbiont Milwaukee, WI 53214	\$359,846.00 \$359,846.00	Acceptable	28.7%	28.7%
Arcadis Milwaukee, WI 53202	- -	Unacceptable	23.5%	22.5%
Fusion Integrated Solutions, LLC Fox Point, WI 53217 (MBE)	- -	Unacceptable	71.3%	28.7%
GRAEF Milwaukee, WI 53203	- -	Unacceptable	34.5%	28.3%
Superior Engineering-IL, LLC Bolingbrook, IL 60440	- -	Unacceptable	0.0%	0.0%

Compensation packages for proposals rated "Unacceptable" are not opened.

SUBCONSULTANT INFORMATION

Type	Subconsultant Name	Type of Work	%	Amount
MBE	RTM Engineering Milwaukee, WI 53202	Energy audits, HVAC controls, TM1 development & workshops	18.1%	\$65,100.00
MBE	Kapur Engineering Milwaukee, WI 53217	Lead & asbestos surveys	0.0%	\$0.00
SBE	ASD Engineering Mequon, WI 53092	Application engineering	5.9%	\$21,080.00
SBE	AES Engineering Rubicon, WI 53078	O&M manuals, start- up & training	3.2%	\$11,600.00
WBE	Penne Wilson Consulting Sturgeon Bay, WI 54235	Technical editing	1.5%	\$5,488.00

ECONOMIC DEVELOPMENT ELEMENTSLocal Office Preference? YMentor 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, General Services and Engineering Services categories, sent targeted e-mails to S/W/MBE electrical and fencing companies. 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 Document Takers:

Applied Technologies, Inc., Crowley Engineering LLC, Fusion Integrated Solutions, LLC, Globetrotters Engineering Corporation, International Automation, LLC, Oneida Total Integrated Enterprises (OTIE), Thunderbird Engineering, Inc.

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

NA

Additional Comments:

NA

AWARDEE INFORMATION

Company:	Symbiont
Contact Person:	Benjamin M. Borowicz
Phone Number:	(414) 755-1173
E-mail Address:	ben.borowicz@symbiontengineer.com

EEO DATA

6737 West Washington Street,
Location: Suite 3440, Milwaukee, WI

Total # of Employees 110

	<u>Total</u>	<u>%</u>
Minorities	<u>7</u>	<u>6.4%</u>
Asian	<u>3</u>	<u>2.7%</u>
Black or African American	<u>1</u>	<u>0.9%</u>
Hispanic or Latino	<u>1</u>	<u>0.9%</u>
Native American	<u>0</u>	<u>0.0%</u>
Other Minority	<u>2</u>	<u>1.8%</u>

Labor Market Availability - Minorities 22.0%

	<u>Total</u>	<u>%</u>
Females	<u>28</u>	<u>25.5%</u>
Asian	<u>1</u>	<u>0.9%</u>
Black or African American	<u>0</u>	<u>0.0%</u>
Hispanic or Latino	<u>1</u>	<u>0.9%</u>
Native American	<u>0</u>	<u>0.0%</u>
Other Minority	<u>2</u>	<u>1.8%</u>

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 %
C98045D01 CONVEYANCE GATE REHAB DESIGN -	7/29/2013	91%	\$394,240	\$357,637	\$150,600	38%	\$168,158	47%
C98051D01 Conv Gate	7/20/2015	100%	\$310,450	\$310,450	\$124,180	40%	\$132,177	43%
C98053D01 Eng. Sers.	11/1/2015	100%	\$353,536	\$353,536	\$148,697	42%	\$170,223	48%
I06001D01 - Engineering Services - NS-12 Collector	8/22/2017	85%	\$1,198,351	\$1,016,493	\$236,914	20%	\$285,188	28%
J04033D01, D&D Drainage Piping and Quench	3/5/2015	97%	\$166,966	\$162,307	\$56,768	34%	\$47,985	30%
J04035D01 - ES Greens	7/25/2018	85%	\$776,457	\$657,286	\$308,331	40%	\$184,864	28%
J04038D01 - Milorganite Dryers Waste Heat	10/2/2019	77%	\$262,684	\$201,094	\$102,552	39%	\$49,280	25%
J04039D01 - Eng. Services JI WRF Pressure Relief	11/17/2015	100%	\$352,498	\$352,424	\$74,377	21%	\$116,967	33%
J04050D01 - Eng Serv Dryer Feed & Discharge	7/1/2016	82%	\$475,645	\$390,721	\$178,177	37%	\$124,371	32%
J04051D01 - Eng. Services Main Recycle Air Belt Feed	4/26/2016	98%	\$93,651	\$91,543	\$24,874	27%	\$14,182	15%
J04052D01 - Preliminary Engineering & Engineering Services for Milorganite	8/1/2016	98%	\$386,400	\$380,246	\$124,653	32%	\$82,048	22%
J04057D01 Design and Engineering Services for JI	1/1/2016	100%	\$127,556	\$127,547	\$30,613	24%	\$32,654	26%
J04074E01 - Prelim Eng - Milorganite Packaging	4/22/2020	68%	\$374,626	\$253,680	\$87,213	23%	\$41,582	16%
J06026D01, JI & SS WRF	4/20/2017	99%	\$296,694	\$295,031	\$102,567	35%	\$64,160	22%
J06054D01 ISS Crane &	7/20/2015	96%	\$268,483	\$256,996	\$74,987	28%	\$84,448	33%
M01019P01 - Development of Air	8/1/2016	100%	\$389,316	\$389,207	\$69,065	18%	\$138,941	36%
S04030D01 - ES SS Aeration Basin Concrete	7/27/2018	98%	\$203,516	\$198,976	\$69,541	34%	\$50,253	25%
TS-2640, On-Call Engineering Services for	10/13/2017	71%	\$408,707	\$292,110	\$81,741	20%	\$86,795	30%

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** ☐ _____

OP_Award_J06082D01_JIWRF_Flood Resiliency_Improvements_legislative_file.docx
06-22-21

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.



Capital Budget Fiscal Note

Total Project Cost

RELATING TO:

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

Capital Project Number(s)

J06082

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

\$1,500,000

\$0

\$1,500,000

n/a

\$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:

5/27/2021

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



Procurement & S/W/MBE Summary Information

Contract # J06082D01 **Cost Center:** ENG

Engineering Services, Jones Island Water Reclamation Facility Flood Resiliency Improvements

PROPOSAL SUMMARY

Proposal Receipt Date: 4/30/2021

	Total	SWMBE	Local
# of Proposals	1	0	1
# of Acceptable Proposals	1	0	1

Proposals (listed by rank)	Negotiated Price	Acceptable?	% Sub	% SWMBE
	Submitted Price			
Donohue & Associates, Inc. Milwaukee, WI 53202	\$169,793.00	Acceptable	35.2%	25.4%
	\$169,793.00			

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, Inc. Wauwatosa, WI 53222	Hazardous materials analysis	5.9%	\$10,040.00
MBE	Oneida Total Integrated Enterprises Milwaukee, WI 53226	Engineering services	19.5%	\$33,166.00
Non-SWMBE	Underwater Construction Corp Racine, WI 53402	Underwater inspection	9.7%	\$16,482.00

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 and Professional Services categories, and sent targeted e-mails to 99 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.; Applied Technologies, Inc.; Bloom; Globetrotters Engineering Corporation; K. Singh & Associates, Inc.; M & M Environmental and Educational Services LLC; Oneida Total Integrated Enterprises (OTIE); Ruekert & Mielke, Inc.; TERRA Engineering, Ltd.

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

n/a

Additional Comments:

n/a

AWARDEE INFORMATION

Company:	Donohue & Associates, Inc.
Contact Person:	Allen Williams
Phone Number:	(920) 803-7319
E-mail Address:	awilliams@donohue-associates.com

EEO DATA

3311 Weeden Creek Road Sheboygan, WI 53081		Total # of Employees		114	
Location: (Headquarters)					
Minorities	Total	%	Females	Total	%
Asian	8	7.0%	Asian	25	21.9%
Black or African American	4	3.5%	Black or African American	3	2.6%
Hispanic or Latino	3	2.6%	Hispanic or Latino	0	0.0%
Native American	1	0.9%	Native American	1	0.9%
Other Minority	0	0.0%	Other Minority	0	0.0%
Labor Market Availability - Minorities			Labor Market Availability - Females		
10.0%			50.0%		

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 %
I03008D01 - CSO102 Rehab	6/26/2019	74%	\$ 232,734	\$ 171,084	\$ 78,455	34%	\$ 46,086	27%
J01013D01 - Eng Svcs - Prelim Treatment Electrical Upgrade	3/19/2019	64%	\$ 629,882	\$ 403,746	\$ 140,023	22%	\$ 82,258	20%
J01021D01 - Grit Removal System Improvements	12/18/2018	74%	\$ 233,765	\$ 173,034	\$ 54,654	23%	\$ 26,562	15%
J06057D01 - RAS VFDs Replacement Design	6/7/2013	100%	\$ 331,059	\$ 330,803	\$ 61,478	19%	\$ 62,824	19%
P01005D01 - Eng Services - ISS Improvements Project	5/25/2016	74%	\$ 1,823,055	\$ 1,352,614	\$ 799,774	44%	\$ 210,231	16%
P01006D01 - ES - Interplant Solids Replacement at SSWRF	2/25/2019	82%	\$ 348,863	\$ 285,958	\$ 100,124	29%	\$ 119,860	42%
S02008D01 - Engineering Services SS WRF Capacity Improvements	10/7/2016	85%	\$ 451,456	\$ 382,329	\$ 80,449	18%	\$ 32,538	9%
TS-2636 - Professional Services - Creation of Conveyance O&M Manual	12/1/2016	93%	\$ 518,450	\$ 481,280	\$ 65,169	13%	\$ 122,578	25%
TS-2638 - On-Call Engineering Services for WRF	12/5/2016	88%	\$ 485,398	\$ 427,177	\$ 97,080	20%	\$ 109,220	26%

Note: Only contracts that are at least 50% complete are included in the table above.

COMMISSION FILE NO: 21-103-7 **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: Award of Contract S06038C17, Stop Logs for the South Shore Water Reclamation Facility

SUMMARY:

The Commission is requested to award and to direct the Executive Director to execute on behalf of the District Contract S06038C17, Stop Logs for the South Shore Water Reclamation Facility (SSWRF), to Fontaine Aquanox (Fontaine) in the amount of \$223,924. Fontaine was the only bidder and is both responsible and responsive.

At SSWRF, mechanical gates are a key means of controlling the flow of wastewater in a channel from one process to another process. When a gate requires inspection, repair, or replacement, the channel must be drained, so workers can enter the channel and perform the work. To drain the channel without shutting down the whole process upstream of that gate, stop logs are used to isolate the gate from upstream flows. Stop logs are large plates of material that are lowered into grooves in the channel walls that form a barrier to water on one side. The wastewater can then be drained, and necessary work performed on the gate.

SSWRF previously had a set of stop logs at nine locations that had been used until they failed and now need to be replaced. Six of these locations have stop log grooves that are in good condition and will be reused with the new stop logs. The stop log grooves at the three other locations need to be repaired or replaced.

Under this contract, Fontaine will supply 24 stainless steel stop logs for use in the six locations at SSWRF where the stop log grooves are in good condition. The largest stop logs are eight feet high and 11 feet, six inches wide, and the smallest are five feet, six inches high by six feet wide.

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

OP_Award_S06038C17_Stop_Logs_legislative_file.docx
06-24-21

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Award of Contract S06038C17, Stop Logs for the South Shore Water Reclamation Facility

The stop logs will be delivered within about seven months.

There will be a separate contract in the future that will address the three other locations where both the existing grooves and stop logs need replaced.

RESOLUTION

Award of Contract S06038C17, Stop Logs for the South Shore Water Reclamation Facility

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that Contract S06038C17, Stop Logs for the South Shore Water Reclamation Facility, is awarded to Fontaine Aquanox in the amount of \$223,924, and that the Executive Director is directed to execute a contract on behalf of the District.



Capital Budget Fiscal Note Total Project Cost

RELATING TO:

Award of Contract S06038C17, Stop Logs for the South Shore Water Reclamation Facility

Capital Project Number(s)

S06038

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

\$18,199,556

\$0

\$18,199,556

n/a

\$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:

Christine Durkin

Date:

6/16/2021

Award of Contract S06038C17, Stop Logs for the South Shore Water Reclamation Facility



Procurement & S/W/MBE Summary Information

Contract # S06038C17

Cost Center: OCC

Stop Logs for the South Shore Water Reclamation Facility

BID SUMMARY

Bid Opening Date: 6/23/2021

	Total	SWMBE	Local
# of Bids	1	0	0
# of Responsive Bids	1	0	0

Bidders	Price	Responsive?	Responsible?	% Sub	% SWMBE
Fontaine Aquanox div. of ISE Metal, Inc. Quebec, Canada	\$223,924.00	Responsive	Responsible	0.0%	0.0%

SUBCONTRACTOR INFORMATION

Type	Subcontractor Name	Type of Work	%	Amount
Non-SWMBE	NA	NA	0.0%	\$0.00

ECONOMIC DEVELOPMENT ELEMENTS

Workforce Requirements

Sanitary Sewer Service Area (SSSA)

Employment: NA

Target Area (TA) Employment: NA

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 and electrical, and sent targeted e-mails to potential prime bidders and SWMBE firms in the electrical, painting and pipefitting, and notified the various local chambers of commerce. The bid opportunity is also publicly accessible from the MMSD website and Bonfire. Bonfire also performs outreach to its users when a bid is posted.

S/W/MBE Planholders:

NuGen Companies, LLC, Sheet Metal Services, Inc., Terra Engineering & Construction Corporation

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

Specialized commodity purchase (95% equipment) - no opportunities for SWMBE or non-SWMBE subcontractor participation

Additional Comments:

NA

AWARDEE INFORMATION

Company:	Fontaine Aquanox div. of ISE Metal, Inc.
Contact Person:	Not available
Phone Number:	NA
E-mail Address:	NA

EEO DATA

Location: Not Provided		Total # of Employees Not Provided	
	<u>Total</u>	<u>%</u>	
Minorities			Females
African American			African American
Asian			Asian
Hispanic			Hispanic
Native American			Native American
Labor Market Availability - Minorities		Labor Market Availability - Females	

COMMISSION FILE NO: 21-104-7 **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 W40012D01, Engineering Services, Kinnickinnic River Reach 2
South 6th to 16th Street Final Design

SUMMARY:

The Commission is requested to authorize the Executive Director to execute on behalf of the District Contract W40012D01, Engineering Services, Kinnickinnic (KK) River Reach 2 South 6th to 16th Street Final Design, with Jacobs Engineering Group, Inc., (Jacobs) in an amount not to exceed \$2,748,524. Jacobs was the highest scoring proposer based on a qualifications-based selection method among six proposals received.

The District's KK River Watercourse Management Plan (KKRWMP) identifies the number of structures in the 100-year floodplain and further identifies projects planned for implementation within the watershed. One of the key stream reaches of the KKRWMP is the KK River Mainstem. The KK River Mainstem is divided into individual reaches, including KK River Reach 2. Reach 2 limits are from S. 6th Street to S. 27th Street, and the Reach 2 length is approximately two miles. Approximately 4,000 feet of the KK River Reach 2 flow between S. 6th Street and S. 16th Street in the City of Milwaukee (City). The river channel was lined with concrete by the District in the 1960's and is reaching the end of its useful life. This project will reduce flood risk to over 300 residential and commercial structures located in the floodplain.

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

OP_Award_W40012D01_KK_River_6th-16th_Final_Design_legislative_file.docx
06-18-21

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Contract W40012D01, Engineering Services, Kinnickinnic River Reach 2 South 6th to 16th Street Final Design

The KK River 6th to 16th Street Project (W40012) includes the following key elements:

- Replacing over 4,000 feet of concrete channel with a wider naturalized watercourse. The channel will be widened by about 140 feet.
- Obtaining all real estate within the widened channel corridor, including:
 - Acquiring and removing 83 homes (80 acquired to date).
 - Street and alley vacations (completed or in process).
- Performing voluntary acquisition or voluntary floodproofing of seven residential structures.
- Replacing six City-owned bridges (three vehicular and three pedestrian) with wider span bridges to accommodate the widened channel.
- Relocating City utilities to accommodate the widened channel.
- Installing maintenance and recreational trails along the naturalized watercourse.
- Installing green infrastructure at City-owned storm sewer outfalls.

Proposed Contract W40012D01 will perform engineering and design relative to many of the above elements. These elements are as follows:

- 4,000-foot concrete channel removal and naturalization.
- Three pedestrian bridges.
- Modifications to City watermains and storm sewers.
- Sewer structure modifications.
- Design of modifications to public rights-of-way where streets and alleys have been vacated.
- Maintenance and recreational trails.
- Green infrastructure.
- Floodproofing analysis.

Under Contract W40012D01, the consultant will perform the following tasks, relative to the above elements:

- Project management services.
- Preliminary and final design and engineering services, including preparation of up to four separate bid documents.
- Information development for obtaining permits and securing permits.
- Bid and award services.
- Engineering services during construction.
- Provide post-construction monitoring of the channel and vegetation establishment.

The City will prepare the design for the three vehicular bridges. The consultant will incorporate the bridge designs prepared by the City into the construction bid packages.

SUMMARY (Cont'd)

Contract W40012D01, Engineering Services, Kinnickinnic River Reach 2 South 6th to 16th Street Final Design

After the design work is complete, the District will publicly bid up to four separate construction contracts.

The duration for this contract is approximately nine years, including five years of post-construction channel monitoring and vegetation establishment services.

In 2019, the District entered into an intergovernmental cooperation agreement (ICA) with the City that defined the overall responsibilities and cost share between the District and the City for the work on the KK River 6th to 16th project. The proposed work under Contract W40012D01 fulfills some of the District obligations under the ICA.

The project will include extensive stakeholder and public feedback throughout the project. The District entered into a separate contract with the 16th Street Community Health Center (SSCHC) to perform community engagement, outreach, and educational programming for the KK River projects. The District and SSCHC will lead the stakeholder and public outreach for this project, with support provided by Jacobs under Contract W40012D01.

RESOLUTION

Contract W40012D01, Engineering Services, Kinnickinnic River Reach 2 South 6th to 16th Street Final Design

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute Contract W40012D01, Engineering Services, Kinnickinnic River Reach 2 South 6th to 16th Street Final Design, with Jacobs Engineering Group, Inc., in an amount not to exceed \$2,748,524.



Capital Budget Fiscal Note Total Project Cost

RELATING TO:

Contract W40012D01, Engineering Services, Kinnickinnic River Reach 2 South 6th to 16th Street Final Design

Capital Project Number(s)

W40012

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

\$43,715,441

\$0

\$43,715,441

n/a

\$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:

Christine Durkin

Date:

6/3/2021

Contract W40012D01, Engineering Services, Kinnickinnic River Reach 2 South 6th to 16th Street Final Design



Procurement & S/W/MBE Summary Information

Contract # W40012D01 **Cost Center:** ENG

Engineering Services, Kinnickinnic River Reach 2 South 6th to 16th Street Final Design

PROPOSAL SUMMARY

Proposal Receipt Date: 5/6/2021

	Total	SWMBE	Local
# of Proposals	6	1	5
# of Acceptable Proposals	1	0	1

Proposals <i>(listed by rank)</i>	Negotiated Price	Acceptable?	% Sub	% SWMBE
	<i>Submitted Price</i>			
Jacobs Engineering Group Inc. Milwaukee, WI 53212	\$2,748,524.00 \$2,748,524.00	Acceptable	49.8%	28.0%
Cardno Brookfield, WI 53005	- -	Unacceptable	65.3%	48.7%
Strand Associates Milwaukee, WI 53202	- -	Unacceptable	45.5%	29.8%
CDM Smith Milwaukee, WI 53202	- -	Unacceptable	49.4%	49.0%
AECOM Milwaukee, WI 53212	- -	Unacceptable	27.8%	27.8%
M Squared Engineering Cedarburg, WI 53012 (MBE)	- -	Unacceptable	56.9%	62.4%

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

SUBCONSULTANT INFORMATION

Type	Subconsultant Name	Type of Work	%	Amount
MBE	Badger Contracting, Inc. Elkhorn, WI 53121	Floodproofing analysis	0.2%	\$5,500.00
MBE	Gestra Engineering, Inc. Milwaukee, WI 53214	Geotechnical services	3.9%	\$106,715.00
MBE	Oneida Total Integrated Enterprises Milwaukee, WI 53226	Utility coordination and design services	5.6%	\$153,718.00
SBE	Fish Creek Restoration, LLC Madison, WI 53705	Hydraulic modeling	0.3%	\$9,450.00
SBE	Resolution Studio, LLC Fitchburg, WI 53593	Vegetation maintenance planning	1.9%	\$53,250.00
SBE	Stormwater Solutions Engineering Milwaukee, WI 53204	Engineering services	5.6%	\$153,150.00
WBE	CT Laboratories, LLC Baraboo, WI 53913	ESA investigations and testing	8.2%	\$225,656.00
WBE	Helianthus, LLC Milwaukee, WI 53205	Wetland assessment	2.3%	\$63,250.00
Non-SWMBE	HNTB Corporation Milwaukee, WI 53202	Engineering services	13.5%	\$371,425.00
Non-SWMBE	SmithGroup Milwaukee, WI 53202	Engineering services and public outreach	8.3%	\$227,680.00

ECONOMIC DEVELOPMENT ELEMENTSLocal Office Preference? YMentor Protégé? N**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 and Professional Services categories, and sent targeted e-mails to 106 SWMBE 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.; Applied Technologies, Inc.; Aqua Vitae Engineering; Bay Ridge Consulting; Bloom Companies, LLC; Ce Planning Studio, LLC; Fish Creek Restoration LLC; FreshWater Engineering; Fusion Integrated Solutions, LLC; GESTRA Engineering, Inc.; Globetrotters Engineering Corporation; Helianthus LLC; Hey and Associates, Inc.; Himalayan Consultants, LLC; Inter-Fluve, Inc.; K. Singh & Associates, Inc.; Kapur & Associates, Inc.; LF Green Development; M Squared Engineering; Oneida Total Integrated Enterprises; Resolution Studio, LLC; Ruekert & Mielke, Inc.; Stony Point Hydrology LLC; Stormwater Solutions Engineering, LLC; TERRA Engineering, Ltd.; The Sigma Group, Inc.; Water365, LLC

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

n/a

Additional Comments:

n/a

AWARDEE INFORMATION

Company: Jacobs Engineering Group Inc.
Contact Person: Brent Brown, PE
Phone Number: (414) 559-1978
E-mail Address: brent.brown@jacobs.com

EEO DATA

1610 N. 2nd Street, Suite 201
Location: Milwaukee, WI 53212

Total # of Employees 166

	<u>Total</u>	<u>%</u>
Minorities	14	8.4%
African American	5	3.0%
Asian	5	3.0%
Hispanic	2	1.2%
Native American	0	0.0%

	<u>Total</u>	<u>%</u>
Females	68	41.0%
African American	2	1.2%
Asian	3	1.8%
Hispanic	1	0.6%
Native American	0	0.0%

Labor Market Availability - Minorities 20.0%

Labor Market Availability - Females 48.0%

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 %
C02009P01 - ES for H2S and Odor Mitigation Planning Study	9/10/2019	92%	\$ 375,754	\$ 347,383	\$ 48,998	13%	\$ 56,837	16%
TS-2675 - General On-Call Engineering Services for Watercourse Facilities	2/28/2020	58%	\$ 149,999	\$ 87,725	\$ 30,000	20%	\$ -	0%

Note: Only contracts that are at least 50% complete are included in the table above.

COMMISSION FILE NO: 21-105-7 **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: Award of Contract W40016C01, Kinnickinnic River Sewer Modifications, 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 W40016C01, Kinnickinnic (KK) River Sewer Modifications, to Terra Engineering and Construction Corporation (Terra) in the amount of \$4,735,086. Terra was the lowest responsible, responsive bidder among four bids received.

Further, the Commission is requested to increase the total project cost (TPC) for Project W40016, KK River Sewer Modifications, by \$1,278,946 for an amended TPC of \$5,610,676 and to make a corresponding change to the TPC of Project M99001, Allowance for Cost and Schedule Changes.

The District's KK River 6th to 16th Street Project (W40012) reduces flood risk to over 300 residential and commercial structures located in the floodplain. The project also improves public safety by reducing drowning risk and improves aquatic and riparian habitat conditions. The concrete channel lining was installed in the 1960's and is nearing the end of its useful service life.

In general, the KK River 6th to 16th Street Project includes the following work:

- Replacing over 4,000 linear feet of concrete channel with a wider, lower, and naturalized watercourse. The channel will be lowered by approximately two to three feet and widened by about 140 feet.
- Modifying or replacing three vehicle bridges and three pedestrian bridges.
- Relocating public utilities to accommodate the lowered and widened channel.

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

OP_Award_W40016C01_KK_River_Sewer_Modifications_legislative_file.docx
06-22-21

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Award of Contract W40016C01, Kinnickinnic River Sewer Modifications, and Approve Changes in Total Project Cost

Widening and lowering the channel results in conflicts with existing City of Milwaukee (City) combined sewers in South 8th Street. The W40016 project will make modifications to the sewer system to allow for the future channel lowering and widening.

Under Contract W40016C01, the contractor will:

- Install approximately 1,000 feet of new 24-inch Metropolitan Interceptor Sewer constructed by tunneling methods.
- Replace local City combined sewers by open cut construction.
- Construct eight new manholes.
- Construct a new intercepting structure.
- Modify an existing diversion structure.
- Restore the construction site.

In 2019, the District executed an intergovernmental cooperation agreement (ICA) with the City, which identified District and City responsibilities relative to City-owned combined sewers and District-owned sanitary sewers within the KK River 6th to 16th project footprint. The proposed work under Contract W40016C01 fulfills some of the District obligations under the ICA related to sewer improvements.

The low bid received by the District for Contract W40016C01 is more than budgeted, and staff requests to increase the TPC accordingly.

The duration of the contract is 270 days.

RESOLUTION

Award of Contract W40016C01, Kinnickinnic River Sewer Modifications, and Approve Changes in Total Project Cost

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that Contract W40016C01, Kinnickinnic River Sewer Modifications, is awarded to Terra Engineering and Construction Corporation in the amount of \$4,735,086, 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 W40016, Kinnickinnic River Sewer Modifications, is increased by \$1,278,946 for an amended total project cost of \$5,610,676, and that a corresponding change is made to the total project cost for Project M99001, Allowance for Cost and Schedule Changes.

Award of Contract W40016C01, Kinnickinnic River Sewer Modifications, and Approve Changes in Total Project Cost



Procurement & S/W/MBE Summary Information

Contract # W40016C01

Cost Center: ENG

Kinnickinnic River Sewer Modifications

BID SUMMARY

Bid Opening Date: 5/27/2021

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

Bidders	Price	Responsive?	Responsible?	% Sub	% SWMBE
Terra Engineering & Construction Corp. Madison, WI 53718 (SBE)	\$4,735,086.00	Responsive	Responsible	59.3%	42.0%
Globe Contractors, Inc. Pewaukee, WI 53072	\$6,185,800.00	Responsive	Responsible	Not provided	3.0%
Mid City Corporation Butler, WI 53007 (SBE)	\$6,422,000.00	Responsive	Responsible	Not provided	20.0%
Super Excavators, Inc. Menomonee Falls, WI 53051	\$6,527,826.00	Not evaluated	Not evaluated	Not provided	8.0%

SUBCONTRACTOR INFORMATION

Type	Subcontractor Name	Type of Work	%	Amount
MBE	Gorman Trucking Hartford, WI 53027	Trucking	0.5%	\$22,000.00
MBE	Hard Rock Sawing & Drilling Keshena, WI 54135	Ashpalt Sawing	0.3%	\$13,435.00
MBE	Platt Construction Franklin, WI 53132	Concrete	0.2%	\$10,000.00
WBE	Hoffman Landscaping Caledonia, WI 53108	Landscaping	0.4%	\$20,000.00
Non-SWMBE	Barricade Flasher Service Oak Creek, WI 53154	Traffic Control	0.1%	\$5,000.00
Non-SWMBE	Minger Construction Jordan, MN 55352	Bore/Tunnel	57.8%	\$2,739,000.00

ECONOMIC DEVELOPMENT ELEMENTS

Workforce Requirements

Sanitary Sewer Service Area (SSSA)

Employment: 45%

Target Area (TA) Employment: 20%

Apprentices Required: 2

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 category, and sent targeted e-mails to 25 S/W/MBE construction and tunneling 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:

Mid City Corporation; Platt Construction; Terra Engineering & Construction Corp.

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

n/a

Additional Comments:

n/a

AWARDEE INFORMATION

Company: Terra Engineering & Construction Corp.
Contact Person: Scott Zimmerman
Phone Number: (608) 210-3919
E-mail Address: szimmerman@whyterra.com

EEO DATA

2409 Vondron Road
Location: Madison, WI 53718

Total # of Employees 75

	<u>Total</u>	<u>%</u>
Minorities	<u>6</u>	<u>8.0%</u>
African American	<u>2</u>	<u>2.7%</u>
Asian	<u>0</u>	<u>0.0%</u>
Hispanic	<u>2</u>	<u>2.7%</u>
Native American	<u>2</u>	<u>2.7%</u>

	<u>Total</u>	<u>%</u>
Females	<u>8</u>	<u>10.7%</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>

Labor Market Availability - Minorities 14.0%

Labor Market Availability - Females 50.0%

COMMISSION FILE NO: 21-106-7 **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 TS-2685, On-Call Engineering Services for Electrical, Instrumentation, and Control Projects

SUMMARY:

The Commission is requested to authorize the Executive Director to execute on behalf of the District Contract TS-2685, On-Call Engineering Services for Electrical, Instrumentation, and Control Projects, with Donohue & Associates, Inc., (Donohue) in an amount not to exceed \$450,000. Donohue was the highest scoring proposer, based on a qualifications-based selection method, among eight proposals received.

The District has an ongoing need for engineering services related to electrical, instrumentation, and control systems at the District's water reclamation facilities and conveyance facilities. In general, staff anticipates needing engineering services six to 12 times per year, with costs for each task typically in the range of \$5,000 to \$75,000. Services may be on small capital projects, capital repair and replacement projects, or general technical support related to other capital projects or operational issues.

The requested on-call contract will provide the District means to cost effectively and quickly respond to electrical, instrumentation, and controls engineering needs. On-call contracts allow the District to save costs as compared to individually procuring engineering services every time a service is needed.

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

OP_Award_TS-2685_OnCall_Engineering_Electrical_IC_legislative_file.docx
06-22-21

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Contract TS-2685, On-Call Engineering Services for Electrical, Instrumentation, and Control Projects

This contract will provide electrical, instrumentation, and control engineering services, by individual task order on an as-needed basis, in the following areas:

- Provide project management for short term, limited scope tasks as assigned by the District.
- Provide design services, including preparation of plans and specifications in accordance with District procedures and standards, for relatively small projects.
- Provide technical support to District staff in evaluating electrical, instrumentation, and control issues that may arise at District facilities.
- Review electrical, instrumentation, and controls plans and specifications for District projects that were designed by others.
- Provide engineering services during construction.
- Perform programming for District water reclamation facilities and conveyance facility control systems.
- Perform other miscellaneous electrical, instrumentation and controls services as requested.

Contract TS-2685 is expected to last three years.

RESOLUTION

Contract TS-2685, On-Call Engineering Services for Electrical, Instrumentation, and Control Projects

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute Contract TS-2685, On-Call Engineering Services for Electrical, Instrumentation, and Control Projects, with Donohue & Associates, Inc., in an amount not to exceed \$450,000.



Capital Budget Fiscal Note

Total Project Cost

RELATING TO:

Contract TS-2685, On-Call Engineering Services for Electrical, Instrumentation, and Control 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

*

NA

NA

NA

NA

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 expenses associated with this action are budgeted within individual capital projects and will be charged to these projects when the services are rendered.

Budget Review by:

Theresa Zwieg

Date:

5/27/2021



O&M Budget Fiscal Note

RELATING TO:

Contract TS-2685, On-Call Engineering Services for Electrical, Instrumentation, and Control Projects

Cost Center: Engineering _____	Line Item: 645 Professional Services _____																		
Line Item Impact <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">2021 Original Budget</td> <td style="width: 10%; text-align: center;">_____</td> <td style="width: 30%; text-align: right;">\$306,478</td> </tr> <tr> <td>Carryovers or Transfers</td> <td style="text-align: center;">_____</td> <td style="text-align: right;">\$0</td> </tr> <tr> <td>Adjusted Budget</td> <td style="text-align: center;">_____</td> <td style="text-align: right;">\$306,478</td> </tr> <tr> <td>Estimated Annual Expenditure including Request</td> <td style="text-align: center;">_____</td> <td style="text-align: right;">\$306,478</td> </tr> <tr> <td>Anticipated Year End Balance</td> <td style="text-align: center;">_____</td> <td style="text-align: right;">\$0</td> </tr> <tr> <td>Actual Year to Date Expenditures Through 6/7</td> <td style="text-align: center;">_____</td> <td style="text-align: right;">\$30,207</td> </tr> </table> <p style="margin-top: 10px;">For unfavorable Year End Balance, identify funding source:</p> <div style="display: flex; justify-content: flex-start; gap: 20px;"> <input type="checkbox"/> Absorbed within the Division <input type="checkbox"/> Other Division <input type="checkbox"/> Unallocated Reserve </div>		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 6/7	_____	\$30,207
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<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 35%; text-align: left;">Anticipated Expenditure Timing</th> <th style="width: 15%; text-align: center;">Requested Expenditures</th> <th style="width: 15%; text-align: center;">Anticipated Savings/Revenues</th> <th style="width: 35%; text-align: center;">Net Fiscal Impact</th> </tr> </thead> <tbody> <tr> <td>Current Year (2021)</td> <td style="text-align: center;">\$15,000</td> <td style="text-align: center;">\$0</td> <td style="text-align: center;">\$15,000</td> </tr> <tr> <td>Subsequent</td> <td style="text-align: center;">\$30,000</td> <td style="text-align: center;">\$0</td> <td style="text-align: center;">\$30,000</td> </tr> <tr> <td>Total Cost</td> <td style="text-align: center;">\$45,000</td> <td style="text-align: center;">\$0</td> <td style="text-align: center;">\$45,000</td> </tr> </tbody> </table>			Anticipated Expenditure Timing	Requested Expenditures	Anticipated Savings/Revenues	Net Fiscal Impact	Current Year (2021)	\$15,000	\$0	\$15,000	Subsequent	\$30,000	\$0	\$30,000	Total Cost	\$45,000	\$0	\$45,000	
Anticipated Expenditure Timing	Requested Expenditures	Anticipated Savings/Revenues	Net Fiscal Impact																
Current Year (2021)	\$15,000	\$0	\$15,000																
Subsequent	\$30,000	\$0	\$30,000																
Total Cost	\$45,000	\$0	\$45,000																

Comments: The requested expenditures are for on-call engineering services. It is estimated that 90% of the contract will be used for capital projects and 10% for Operations and Maintenance projects.

Budget Review by:

Christine Durkin _____

Date

6/7/2021 _____

Contract TS-2685, On-Call Engineering Services for Electrical, Instrumentation, and Control Projects



Procurement & S/W/MBE Summary Information

Contract # TS-2685 **Cost Center:** ENG

On-Call Engineering Services for Electrical, Instrumentation and Control Projects

PROPOSAL SUMMARY

Proposal Receipt Date: 3/26/2021

	Total	SWMBE	Local
# of Proposals	8	4	7
# of Acceptable Proposals	3	1	3

Proposals (listed by rank)	Negotiated Price	Acceptable?	% Sub	% SWMBE
	<i>Submitted Price</i>			
Donohue & Associates, Inc. Milwaukee, WI 53202	\$450,000.00 <i>n/a</i>	Acceptable	20.0%	20.0%
Applied Technologies, Inc. Brookfield, WI 53005 (SBE)	n/a <i>n/a</i>	Acceptable	20.0%	100.0%
Symbiont Milwaukee, WI 53214	n/a <i>n/a</i>	Acceptable	20.0%	20.0%
Greeley and Hansen, LLC Waukesha, WI 53186	n/a <i>n/a</i>	Unacceptable	-	-
Oneida Total Integrated Enterprises Milwaukee, WI 53226 (MBE)	n/a <i>n/a</i>	Unacceptable	-	-
CDM Smith Milwaukee, WI 53202	n/a <i>n/a</i>	Unacceptable	-	-
Fusion Integrated Solutions, LLC Fox Point, WI 53217 (MBE)	n/a <i>n/a</i>	Unacceptable	-	-
Globetrotters Engineering Corporation Milwaukee, WI 53202 (MBE)	n/a <i>n/a</i>	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	Engineering services	TBD	TBD
SBE	AES Engineering Rubicon, WI 53078	Process engineering and training	TBD	TBD
SBE	Integrated Process Solutions Waunakee, WI 53597	I&C evaluation	TBD	TBD
WBE	Zoe Engineering Milwaukee, WI 53222	Electrical & control system planning	TBD	TBD

ECONOMIC DEVELOPMENT ELEMENTSLocal Office Preference? YMentor Protégé? N**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 Architecture & Engineering and Professional Services categories. 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.; Applied Technologies, Inc.; Aqua Vitae Engineering; Fusion Integrated Solutions, LLC; Globetrotters Engineering Corporation; Integrated Process Solutions, Inc.; International Automation, LLC; Kapur and Assoc.

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:	<u>Donohue & Associates, Inc.</u>
Contact Person:	<u>Michael Stohl</u>
Phone Number:	<u>(920) 803-7345</u>
E-mail Address:	<u>mstohl@donohue-associates.com</u>

EEO DATA

3311 Weeden Creek Road
Sheboygan, WI 53081

Location: (Headquarters)

Total # of Employees 114

	<u>Total</u>	<u>%</u>		<u>Total</u>	<u>%</u>
Minorities	8	7.0%	Females	25	21.9%
Asian	4	3.5%	Asian	3	2.6%
Black or African American	3	2.6%	Black or African American	0	0.0%
Hispanic or Latino	1	0.9%	Hispanic or Latino	1	0.9%
Native American	0	0.0%	Native American	0	0.0%
Other Minority	0	0.0%	Other Minority	0	0.0%

Labor Market Availability - Minorities 10.0%

Labor Market Availability - Females 50.0%

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 %
I03008D01 - CSO102 Rehab	6/26/2019	74%	\$ 232,734	\$ 171,084	\$ 78,455	34%	\$ 46,086	27%
J01013D01 - Eng Svcs - Prelim Treatment Electrical Upgrade	3/19/2019	64%	\$ 629,882	\$ 403,746	\$ 140,023	22%	\$ 82,258	20%
J01021D01 - Grit Removal System Improvements	12/18/2018	74%	\$ 233,765	\$ 173,034	\$ 54,654	23%	\$ 26,562	15%
J06057D01 - RAS VFDs Replacement Design	6/7/2013	100%	\$ 331,059	\$ 330,803	\$ 61,478	19%	\$ 62,824	19%
P01005D01 - Eng Services - ISS Improvements Project	5/25/2016	74%	\$ 1,823,055	\$ 1,352,614	\$ 799,774	44%	\$ 210,231	16%
P01006D01 - ES - Interplant Solids Replacement at SSWRF	2/25/2019	82%	\$ 348,863	\$ 285,958	\$ 100,124	29%	\$ 119,860	42%
S02008D01 - Engineering Services SS WRF Capacity Improvements	10/7/2016	85%	\$ 451,456	\$ 382,329	\$ 80,449	18%	\$ 32,538	9%
TS-2636 - Professional Services - Creation of Conveyance O&M Manual	12/1/2016	93%	\$ 518,450	\$ 481,280	\$ 65,169	13%	\$ 122,578	25%
TS-2638 - On-Call Engineering Services for WRF	12/5/2016	88%	\$ 485,398	\$ 427,177	\$ 97,080	20%	\$ 109,220	26%

Note: Only contracts that are at least 50% complete are included in the table above.

COMMISSION FILE NO: 21-107-7 **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: Approval of 2021 Green Solutions Program Projects G98005P51 Change Order 1, G98005P53 Change Order 1, G98005P64, G98005P66, G98005P76, G98005P78, G98005P81, and G98005P82

SUMMARY:

The Commission is requested to authorize the Executive Director to approve eight projects, G98005P51 Change Order 1, G98005P53 Change Order 1, G98005P64, G98005P66, G98005P76, G98005P78, G98005P81, and G98005P82, under the 2021 Green Solutions Program in a total amount not to exceed \$2,387,213. The 2021 Green Solutions Program funding was allocated in the approved 2021 Capital Budget.

The primary goal of the Green Solutions Program is to support the District's Wisconsin Pollutant Discharge Elimination System permit goal of providing green infrastructure (GI) retention capacity of 50 million gallons. Additionally, this program helps to form mutually beneficial partnerships to generate quantitative data on the effectiveness of GI in managing stormwater runoff in the District's service area and qualitative data on the implementation and feasibility of various GI practices. This program also supports the District's 2035 Vision and implementation of the Regional GI Plan.

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

OP_2021_Green_Solutions_Program_legislative_file.docx
06-22-21

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Approval of 2021 Green Solutions Program Projects G98005P51 Change Order 1, G98005P53 Change Order 1, G98005P64, G98005P66, G98005P76, G98005P78, G98005P81, and G98005P82

The following projects and partners are recommended for funding and are requested for Commission approval:

Project Name	Applicant	Amount \$	Project Number
2020 Green Alleys	City of Wauwatosa	\$222,000 (total project cost now \$578,178)	G98005P51 Change Order 1
Burleigh Stormwater Trees	City of Milwaukee	\$480,110 (total project cost now \$896,509)	G98005P53 Change Order 1
2021 Green Alleys	Village of Whitefish Bay	\$250,900	G98005P64
2021 Green Alleys	Village of Shorewood	\$203,992	G98005P66
2021 Green Alleys	City of Milwaukee	\$446,556	G98005P76
2021 Stormwater Trees	City of Greenfield	\$173,250	G98005P78
2021 Green Alleys	City of Wauwatosa	\$268,000	G98005P81
Brown Deer Library Parking Lot	Village of Brown Deer	\$342,405	G98005P82
	Total	\$2,387,213	

Additional projects are proposed under the Green Solutions Program, but those are within the Executive Director's authority to approve. The projects subject to Commission approval are summarized below.

2020 Green Alleys, submitted by City of Wauwatosa (G98005P51 Change Order 1)

Wauwatosa will replace two typical city alleys with green alleys. The green alleys will have a 12-foot-wide strip of porous pavers down their center. Surface water flow will drain through the voids in the pavers to an aggregate storage area beneath. Depending on soil conditions, water will either infiltrate the native soils or be routed by an underdrain to the storm sewer system. Wauwatosa will install a total of 23,300 square feet of porous pavers.

Location: West Meinecke Avenue, West North Avenue, North 102nd Street, North Mayfair Road; West North Avenue, Jackson Park Boulevard, North 81st Street, North 83rd Street; West Washington Boulevard, West Vliet Street, North 60th Street, Washington Circle, Wauwatosa, WI

Gallons Captured: 52,425

GI Strategy: Porous Pavement

SUMMARY (Cont'd)

Approval of 2021 Green Solutions Program Projects G98005P51 Change Order 1, G98005P53 Change Order 1, G98005P64, G98005P66, G98005P76, G98005P78, G98005P81, and G98005P82

West Burleigh Street Stormwater Trees, submitted by City of Milwaukee (G98005P53 Change Order 1)

Milwaukee will excavate 21, eight-foot-wide by 75-foot-long, stormwater tree trenches in the median of West Burleigh Street, installing a six-inch crushed stone base and approximately two feet of drainable soil. The drainable soil will be placed in interlocking loadbearing structures. The system will be capped with a cover and topsoil will be placed on the final one-foot layer. The total amount of stormwater tree trenches to be constructed is approximately 14,025 square feet. Three trees will be planted in each stormwater tree trench. Milwaukee will install a distribution pipe to collect stormwater from the street and distribute it throughout the system.

Location: Median of North 60th Street between West Capitol Drive and West Burleigh Street and in the median of West Burleigh Street between West Appleton Avenue and West Lisbon Avenue, Milwaukee, WI

Gallons Captured: 67,500

GI Strategies: Stormwater Trees and Rainwater Catchment

2021 Green Alleys, submitted by Village of Whitefish Bay (G98005P64)

Whitefish Bay will reconstruct the alleys in the 5200 and 5300 blocks between North Bay Ridge Avenue and North Lydell Avenue and the alley south of the 100 block of East Silver Spring Drive. Additionally, porous pavers will be installed in the existing parking lot behind Winkie's gift shop at the corner of East Silver Spring Drive and North Marlborough Drive. Four feet wide strips of porous pavers will be installed in the alleys. The parking lot will have a strip of porous pavers 11 feet wide and 140 feet long. The total pervious paver area will be 7,350 square feet. Stone-filled chambers below the pervious pavers will allow stormwater to infiltrate into the surrounding soil. Excess stormwater will drain to existing storm sewers.

Location: North Bay Ridge Avenue, North Lydell Avenue, West Birch Avenue, West Henry Clay Street; East Silver Spring Drive, North Kent Avenue, North Shoreland Avenue, East Birch Avenue, Whitefish Bay, WI

Gallons Captured: 239,940

GI Strategy: Porous Pavement

SUMMARY (Cont'd)

Approval of 2021 Green Solutions Program Projects G98005P51 Change Order 1, G98005P53 Change Order 1, G98005P64, G98005P66, G98005P76, G98005P78, G98005P81, and G98005P82

2021 Green Alleys, submitted by Village of Shorewood (G98005P66)

Shorewood will reconstruct the alleys bounded by East Congress Street on the south, North Ardmore Drive on the east, East Kensington Boulevard on the north, and North Marlborough Drive on the west. Shorewood will install 4,375 square feet of porous pavement. Stone-filled chambers below the pervious pavers will allow stormwater to infiltrate into the surrounding soil. Excess stormwater will drain to existing storm sewers.

Location: East Congress Street, North Ardmore Drive, East Kensington Boulevard, North Marlborough Drive, Shorewood, WI
Gallons Captured: 17,411
GI Strategy: Porous Pavement

2021 Green Alleys, submitted by City of Milwaukee (G98005P76)

Milwaukee will remove and replace approximately 52,722 square feet of alley, of which approximately 20%, or 10,753 square feet, will be a porous paver area. As part of the project, the entire lengths of the alleys will be excavated and removed to install the porous pavers in the center four feet of each alley. An underlying four-inch strip of bedding layer placed over a two-foot-deep storage area of 2.5-inch clean, washed stone will be installed to capture and store stormwater runoff from the adjacent land use, such as garages and surface runoff. For each green alley, a four-foot-long, six-inch-diameter perforated underdrain will be installed at the top of the storage layer. The underdrains will be connected existing catch basins located at the end of each alley to convey treated stormwater to the storm sewer system. The existing catch basins will also be used as overflow structures.

Location: West Congress Street, West Marion Street, North 61st Street, North 62nd Street; South Honey Creek Drive, South Madeline Avenue, West Parnell Avenue, West Ramsey Avenue; West Keefe Avenue, West Townsend Street, North 45th Street, North 46th Street; West Metcalf Place, West Townsend Street, North 89th Street, North 90th Street; West McKinley Avenue, West Vliet Street, North 20th Street, North 21st Street, Milwaukee, WI
Gallons Captured: 315,000
GI Strategy: Porous Pavement

SUMMARY (Cont'd)

Approval of 2021 Green Solutions Program Projects G98005P51 Change Order 1, G98005P53 Change Order 1, G98005P64, G98005P66, G98005P76, G98005P78, G98005P81, and G98005P82

2021 Stormwater Trees, submitted by City of Greenfield (G98005P78)

Greenfield will plant approximately 600 stormwater trees at various locations throughout the City of Greenfield to reduce stormwater runoff. The types of trees planted may include European Alder, Autumn Brilliance Serviceberry, Autumn Gold Ginkgo, River Birch, Espresso Kentucky Coffee, Prairie Pride Hackberry, Skyline Honey Locust, and other appropriate species. The trees will be 1.5-2 inches in diameter, with a two-year warranty. Greenfield's contracted City Forester will make regular inspections of all planting sites and perform necessary tree maintenance. Staking beyond the contractor warranty will be performed by the City of Greenfield. The trees will be planted in the municipal right-of-way. Greenfield's geographic information system will identify the location of the trees and required tree maintenance.

Location: Throughout Greenfield, WI
Gallons Captured: 15,000
GI Strategy: Stormwater Trees

2021 Green Alleys, submitted by City of Wauwatosa (G98005P81)

Wauwatosa will replace three typical city alleys with green alleys. The green alleys will have a 12-foot-wide strip of porous pavers down the center of the alley. Stormwater will drain through the voids in the pavers to an aggregate storage area beneath. Depending on soil conditions, water will either infiltrate the native soils or be routed by an underdrain to the storm sewer system. Two of the alleys lie on the City limits and portions of the them are within the City of Milwaukee. Wauwatosa will serve as the lead municipality in bidding and constructing the project and will enter into a cost share agreement with the City of Milwaukee to fund their portion. Wauwatosa will install a total of 23,300 square feet of porous pavers.

Location: West Derby Avenue, West Hampton Avenue, North 110th Street, North 111th Street; West Grantosa Drive, West Marion Street, North 99th Street, North 100th Street, Wauwatosa, WI
Gallons Captured: 69,900
GI Strategy: Porous Pavement

SUMMARY (Cont'd)

Approval of 2021 Green Solutions Program Projects G98005P51 Change Order 1, G98005P53 Change Order 1, G98005P64, G98005P66, G98005P76, G98005P78, G98005P81, and G98005P82

Brown Deer Library Parking Lot, submitted by Village of Brown Deer (G98005P82)

Brown Deer is reconstructing its public library parking lot. The parking lot reconstruction will include both porous asphalt and porous pavers. Stormwater will drain through the voids in the porous asphalt and pavers to an aggregate storage area beneath. Depending on soil conditions, water will either infiltrate the native soils or be routed by an underdrain to the storm sewer system. Brown Deer will install a total of 10,000 square feet of porous pavers and 45,000 square feet of porous asphalt.

Location: 4301 W Brown Deer Rd, Brown Deer, WI
Gallons Captured: 165,000
GI Strategy: Porous Pavement

RESOLUTION

Approval of 2021 Green Solutions Program Projects G98005P51 Change Order 1, G98005P53 Change Order 1, G98005P64, G98005P66, G98005P76, G98005P78, G98005P81, and G98005P82

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to approve eight projects under the 2021 Green Solutions Program, G98005P51 Change Order 1, G98005P53 Change Order 1, G98005P64, G98005P66, G98005P76, G98005P78, G98005P81, and G98005P82, and that the Executive Director is directed to execute contracts and agreements for projects in a total amount not to exceed \$2,387,213.



Capital Budget Fiscal Note Total Project Cost

RELATING TO:

Approval of 2021 Green Solutions Program Projects G98005P51 Change Order 1, G98005P53 Change Order 1, G98005P64, G98005P66, G98005P76, G98005P78, G98005P81, and G98005P82

Capital Project Number(s)

G98005

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

*

\$0

*

n/a

\$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 Green Solutions Program does not have a total project cost because it is a capital program. The 2021 Capital Budget has \$5,000,000 for 2021 and the long-range financing plan includes \$30 million. The 2021 Capital Budget and the long-range financing plan have sufficient funding for the current request of \$2,387,213. This program is also requested in the 2022 budget.

Budget Review by:

Christine Durkin

Date:

6/7/2021

COMMISSION FILE NO: 21-108-7 **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: Award of Contract M03107P01, Process Modeling Services – Water Reclamation Facilities, and Approve Changes in Total Project Cost

SUMMARY:

The Commission is requested to award and to direct the Executive Director to execute on behalf of the District Contract M03107P01, Process Modeling Services – Water Reclamation Facilities, to Black & Veatch Corporation in an amount not to exceed \$297,793. Black & Veatch Corporation was the highest scoring proposer through a qualifications-based selection method among four proposals received.

Further, the Commission is requested to increase the total project cost (TPC) for Project M03107, Water Reclamation Facilities Master Model Project, by \$80,793 for an amended TPC of \$280,793 and to make a corresponding change to the TPC for Project M99001, Allowance for Cost and Schedule Changes.

The purpose of this project is to build a comprehensive process model of the water reclamation facilities to provide the District with a tool to support research, pilots, and capital projects. The model is envisioned to be robust enough to conduct holistic evaluations to support decision making by modeling process changes, quantifying the impacts, and recommending capital projects. The model will supplement the existing capacity failure mode analysis.

The general scope of work for this contract includes assessing the District assets at Jones Island, South Shore, and the Interplant Solids Pipeline relative to the District's modeling goals to perform a technology screening. The technology screening will determine which commercially available models are the best suited to accomplish the District goals. Upon approval of the modeling approach, the consultant will construct, calibrate, and validate the model.

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

OP_M03107P01_Water_Reclamation_Facilities_Modeling_legislative_file.docx
06-22-21

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Award of Contract M03107P01, Process Modeling Services – Water Reclamation Facilities, and Approve Changes in Total Project Cost

Additionally, the scope includes training District staff as well as providing ad hoc modeling services for a one-year period after the model is delivered. Ad hoc services are envisioned to support capital projects by providing a comprehensive evaluation of process changes.

The contract duration is expected to be 94 weeks.

The proposal received by the District is more than budgeted, and staff requests an increase to the TCP accordingly.

RESOLUTION

Award of Contract M03107P01, Process Modeling Services – Water Reclamation Facilities, and Approve Changes in Total Project Cost

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute Contract M03107P01, Process Modeling Services – Water Reclamation Facilities, with Black & Veatch Corporation in an amount not to exceed \$297,793.

FURTHER RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the total project cost for Project M03107, Water Reclamation Facilities Master Model Project, is increased by \$80,793 for an amended total project cost of \$280,793, 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 M03107P01, Process Modeling Services – Water Reclamation Facilities, and Approve Changes in Total Project Cost

Capital Project Number(s)

M03107

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	<u>\$200,000</u>
Previously Approved Changes	<u>\$0</u>
Approved Total Project Cost	<u>\$200,000</u>
Requested Total Project Cost	<u>\$280,793</u>
Requested (Increase)/Decrease	<u>(\$80,793)</u>

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

- _____ X 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 proposal received by the District is more than what was budgeted. Expenses related to training staff on the model and running the model will be funded and expensed to the O&M budget.

Budget Review by:

Christine Durkin

Date:

6/7/2021



O&M Budget Fiscal Note

RELATING TO:

Award of Contract M03107P01, Process Modeling Services – Water Reclamation Facilities, and Approve Changes in Total Project Cost

Cost Center: Planning, Research and Sustainability	Line Item: 645 Professional Services
--	--

Line Item Impact			
2021 Original Budget		\$450,000	
Carryovers or Transfers		\$0	
Adjusted Budget		\$450,000	
Estimated Annual Expenditure including Request		\$650,000	
Anticipated Year End Balance		(\$200,000)	
Actual Year to Date Expenditures Through 6/15		\$619,215	

For unfavorable Year End Balance, identify funding source:

☒ Absorbed within the Division
☐ Other Division
☐ Unallocated Reserve

Anticipated Expenditure Timing	Requested Expenditures	Anticipated Savings/Revenues	Net Fiscal Impact
Current Year (2021)	\$0	\$0	\$0
Subsequent	\$87,000	\$0	\$87,000
Total Cost	\$87,000	\$0	\$87,000

Comments: The training and running the modeling expenses qualify for O&M funding and will be incurred in the second half of the contract, after the model has been selected and calibrated. A reorganization in 2022 may impact the cost center from which the O&M expenses will be paid.

Budget Review by:	Date
Christine Durkin	6/15/2021

Award of Contract M03107P01, Process Modeling Services – Water Reclamation Facilities, and Approve Changes in Total Project Cost



Procurement & S/W/MBE Summary Information

Contract # M03107P01 **Cost Center:** OCC

Process Modeling Services – Water Reclamation Facilities, and Approve Changes in Total Project Cost

PROPOSAL SUMMARY

Proposal Receipt Date: 5/18/2021

	Total	SWMBE	Local
# of Proposals	4	1	2
# of Acceptable Proposals	2	0	1

Proposals (listed by rank)	Negotiated Price	Acceptable?	% Sub	% SWMBE
	<i>Submitted Price</i>			
Black & Veatch Milwaukee, WI 53202	\$297,793.00 \$297,793.00	Acceptable	19.9%	19.9%
Carollo Engineers Madison, WI 53703	- \$288,425.00	Acceptable	29.6%	20.1%
Applied Technologies, Inc. Sturgeon Bay, WI 54235 (SBE)	- -	Unacceptable	60.0%	42.0%
Arcadis Milwaukee, WI 53202	- -	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	Kaletech Aurora, IL 60504	Civil and environmental engineering services	12.5%	\$37,354.00
SBE	L&R Engineering Brown Deer, WI 53223	Evaluation of existing treatment facilities	2.6%	\$7,600.00
SBE	M&M Environmental Milwaukee, WI 53221	Evaluation of existing treatment facilities	2.5%	\$7,440.00
WBE	Penne Wilson Consulting Sturgeon Bay, WI 54235	Technical writing, editing, and document production	2.3%	\$6,825.00

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 registered firms in the Professional Services, Civil and Environmental Engineering categories, sent targeted e-mails to SWMBE Professional Services 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:

Applied Technologies, Inc., Fusion Integrated Solutions, LLC, L&R Engineering Services, LLC, M & M Environmental and Educational Services LLC, Oneida Total Integrated Enterprises, Sewer Ninjas LLC, Stormwater Solutions Engineering, Superior Engineering - IL, LLC

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

NA

Additional Comments:

NA

AWARDEE INFORMATION

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

EEO DATA

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

Total # of Employees 7126

	<u>Total</u>	<u>%</u>
Minorities	2,162	30.3%
Asian	488	6.8%
Black or African American	333	4.7%
Hispanic or Latino	1,140	16.0%
Native American	42	0.6%
Other Minority	159	2.2%

	<u>Total</u>	<u>%</u>
Females	1,771	24.9%
Asian	152	2.1%
Black or African American	80	1.1%
Hispanic or Latino	167	2.3%
Native American	8	0.1%
Other Minority	42	0.6%

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	70%	\$603,644	\$423,019	\$234,274.24	38.81%	\$101,453	24%
J06061D03 - JI WRF Milorganite Dryer Burner Upgrade	7/1/2015	92%	\$816,058	\$750,213	\$219,927.63	26.95%	\$233,342	31%
J06066P01 - JI Power Supply Risk Analysis	8/1/2014	100%	\$71,500	\$71,485	\$14,300.00	20.00%	\$7,900	11%
K01012D02 - Prep of FCC, NEPA, FAA and other Fed Docs	6/15/2015	98%	\$75,500	\$73,969	\$0.00	0.00%	\$27,947	38%
M03074P01 - Force Main Pipes Condition Assessment Master	10/8/2013	94%	\$194,652	\$182,083	\$40,876.92	21.00%	\$30,335	17%
S04031D01- Engineering Service- SS WTR Reclamation Digester Gas	1/1/2016	100%	\$706,894	\$706,894	\$213,764.75	30.24%	\$198,129	28%

COMMISSION FILE NO: 21-109-7 **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: Approval of Funding Agreement M10005ME01 Under Project M10005, 2021 City of Mequon 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 M10005ME01 in the amount of \$888,000 for work outlined in Work Plan M10005ME01 as submitted by the City of Mequon (City) under Project M10005, Private Property Infiltration and Inflow (PPII) Reduction Program. Including Work Plan M10005ME01, the City has obligated 41% of the funding available to the City through 2021 in the PPII Program.

Based on a prioritization study and field investigation work completed by the City, 195 private properties have been identified for infiltration and inflow reduction work. Multiple strategies of rehabilitation are planned, including sump pump installation, lateral grouting, and lateral pipe bursting.

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

OP_Mequon_M10005ME01_II_Reduction_Project_legislative_file.docx
06-22-21

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

BACKGROUND

Approval of Funding Agreement M10005ME01 Under Project M10005, 2021 City of Mequon Private Property Infiltration and Inflow Reduction Project

In 2019, the City completed a planning level study of the 24 sanitary lift station collection areas that serve the City to prioritize infiltration and inflow (I&I) reduction based on sanitary sewer overflow volumes, wet weather flow peaking factors, and average daily flows. The study report recommended Lift Station F (LS-F) and Lift Station H (LS-H) areas as the highest priorities for I&I reduction work. LS-F and LS-H reside in sewersheds ME4001 and ME4002. While sewersheds ME4001 and ME4002 are compliant with District Chapter Three rules for wet weather performance, sanitary sewer overflows have occurred on four dates in the last seven years. As recommended in the 2019 study, the City proceeded with investigative field work and data collection in the LS-F and LS-H areas to identify specific parcel by parcel locations for I&I reduction. Through sanitary lateral closed circuit televising exams and property clear water compliance inspections, 195 parcels have been identified for lateral rehabilitation, sump installation, or both. The City also collects flow data with 14 meters installed and maintained by the District.

The total project cost is estimated to be \$888,000 and is anticipated to be 100% funded through the District PPII Program. The construction contract is anticipated to be publicly bid in September 2021. Construction is tentatively planned to start in March 2022 with completion by fall 2022.

Including Work Plan M10005ME01, the City has obligated 41% (\$888,000/\$2,168,892) of the funding available to the City through 2021 in the PPII Program. The requested funding is budgeted through project M10005 and does not represent an increase in the total project cost.

RESOLUTION

Approval of Funding Agreement M10005ME01 Under Project M10005, 2021 City of Mequon 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 M10005ME01 in the amount of \$888,000 for work outlined in Work Plan M10005ME01 as submitted by the City of Mequon under Project M10005, Private Property Infiltration and Inflow Reduction Program.



Capital Budget Fiscal Note

Total Project Cost

RELATING TO:

Approval of Funding Agreement M10005ME01 Under Project M10005, 2021 City of Mequon Private Property Infiltration and Inflow Reduction Project

Capital Project Number(s)

M10005

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

*

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 \$888,000.

Budget Review by:

Christine Durkin

Date:

6/16/2021

OPERATIONS COMMITTEE MEETING

July 12, 2021

EXECUTIVE DIRECTOR'S REPORT

21-001-01

A. Monthly Reports

July 2021

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4	5 INDEPENDENCE DAY (OBSERVED)- MMSD OFFICES CLOSED	6	7	8	9	10
11	12 Operations Committee-9:00 a.m. PF&P Committee- 9:05 a.m.	13	14	15	16	17
18	19	20	21	22	23	24
25	26 Commission-9:00 a.m.	27	28	29	30	31