

ELECTRONIC PACKET

May 10, 2021 OPERATIONS COMMITTEE MEETING

RELEASED: Monday, May 3, 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, May 10, 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, May 10, 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 April 12, 2021

NEW BUSINESS

- 1 **21-062-5** Contract TS-2684, On-call Engineering Services for Water Reclamation Facilities
- 2 **21-063-5** Restore Executive Director's Original Delegated Authority, Contract J04067C01, Dewatering and Drying South Cake Loadout Addition at Jones Island Water Reclamation Facility
- 3 **21-064-5** Contract C06023D01, Engineering Services - Veterans Affairs Grounds Metropolitan Interceptor Sewer Relocation
- 4 **21-065-5** Contract I05002D01, Engineering Services, Combined Sewer Outfall 195 Relocation

-
- | | | |
|---|----------|--|
| 5 | 21-066-5 | Restore Executive Director's Original Delegated Authority, Contract P01005C04, Pipeline Cleaning Phase 1 - Interplant Sludge System Improvements |
| 6 | 21-067-5 | Change Order Request, Contract W45002D01, Engineering Services - Wilson Park Creek Reach 3 - Phase 1, and Restore the Executive Director's Original Delegated Authority |
| 7 | 21-068-5 | Approve Change in Total Project Cost for Project C98044, Metropolitan Interceptor Sewer Abandonment in Various Locations, and Amend Total Project Cost for Project M99001, Allowance for Cost and Schedule Changes |

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.



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 Buklewicz, LaTonya Johnson, Kris Martinsek
Dan Devine, Ex-Officio

Monday, April 12, 2021

9:00 AM

Teams Online Meeting/Conference Call

CALL TO ORDER

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

RECORD ROLL

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

Commissioner Johnson arrived at 9:02 a.m. during the approval of proceedings.

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

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

Commissioner Johnson arrived at 9:02 a.m. during the approval.

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

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

No: 0

ORGANIZATION & ADMINISTRATION

21-001-1

EXECUTIVE DIRECTOR'S REPORT

A. Monthly Reports

B. Green Luminaries (Bre Plier)

A. The Committee received a PowerPoint presentation from Kevin L. Shafer, P.E., Executive Director, on the proposed April Commission action spending with small, women, and minority-owned enterprises.

B. The Committee received a presentation and video from Bre Plier, Manager of Sustainability, with comments by Kevin L. Shafer, P.E., Executive Director.

NEW BUSINESS

Items 1-12 were taken as a block.

1 21-042-4**Contracts for Bar Screen Repair and Replacement Parts at the Jones Island Water Reclamation Facility, Project J06075**

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 roll call vote. The motion carried by the following roll call vote:

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

No: 0

2 21-043-4**Reject Bids for Contract J04061C01, Programmable Logic Control 5 Upgrade in the Dewatering and Drying 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 roll call vote. The motion carried by the following roll call vote:

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

No: 0

- 3 21-044-4 Change Order Request, Contract J04072D01, Engineering Services – Milorganite® Fertilizer Transport and Silo Storage Equipment Replacement, and Restore the Executive Director’s Original Delegated Authority
- The Committee received a PowerPoint presentation from Michael Martin, Director of Technical Services.*
- A motion was made by Commissioner Johnson, seconded by Commissioner Devine, that this matter be approved by a roll call vote. The motion carried by the following roll call vote:**
- Yes:** 6 - Commissioner Bukiewicz, Commissioner Johnson, Commissioner Kennedy Ph.D., Commissioner Martinsek, Commissioner Swan III and Commissioner Devine
- No:** 0
-
- 4 21-045-4 Change Order Request, Purchase Order No. 11178, Material Capital Repair or Replacement No. 1311, Jones Island Water Reclamation Facility Dewatering and Drying Milorganite® Transporters 1-4 Repairs, and Executive Director’s Change Order Authority
- The Committee received a PowerPoint presentation from Michael Martin, Director of Technical Services.*
- Commissioner Swan asked for the corrective maintenance history on these items.*
- A motion was made by Commissioner Johnson, seconded by Commissioner Devine, that this matter be approved by a roll call vote. The motion carried by the following roll call vote:**
- Yes:** 6 - Commissioner Bukiewicz, Commissioner Johnson, Commissioner Kennedy Ph.D., Commissioner Martinsek, Commissioner Swan III and Commissioner Devine
- No:** 0
-
- 5 21-046-4 Change Order Request, Contract J04074E01, Preliminary Engineering – Milorganite® Fertilizer Packaging Facility, and Restore the Executive Director’s Original Delegated Authority
- The Committee received a PowerPoint presentation from Michael Martin, Director of Technical Services.*
- A motion was made by Commissioner Johnson, seconded by Commissioner Devine, that this matter be approved by a roll call vote. The motion carried by the following roll call vote:**
- Yes:** 6 - Commissioner Bukiewicz, Commissioner Johnson, Commissioner Kennedy Ph.D., Commissioner Martinsek, Commissioner Swan III and Commissioner Devine
- No:** 0

- 6 21-047-4 Award of Contract J06075C09, North Utility Pump Station Traveling Water Screens Replacement at Jones Island Water Reclamation Facility
- The Committee received a PowerPoint presentation from Michael Martin, Director of Technical Services.*
- A motion was made by Commissioner Johnson, seconded by Commissioner Devine, that this matter be approved by a roll call vote. The motion carried by the following roll call vote:**
- Yes:** 6 - Commissioner Bukiewicz, Commissioner Johnson, Commissioner Kennedy Ph.D., Commissioner Martinsek, Commissioner Swan III and Commissioner Devine
- No:** 0
- 7 21-048-4 Reject Bids for Contract J06075C11, Dilution & Mixing Tanks 1 & 2 Rehabilitation at Jones Island Water Reclamation Facility
- The Committee received a PowerPoint presentation from Michael Martin, Director of Technical Services.*
- A motion was made by Commissioner Johnson, seconded by Commissioner Devine, that this matter be approved by a roll call vote. The motion carried by the following roll call vote:**
- Yes:** 6 - Commissioner Bukiewicz, Commissioner Johnson, Commissioner Kennedy Ph.D., Commissioner Martinsek, Commissioner Swan III and Commissioner Devine
- No:** 0
- 8 21-049-4 Award of Contract S02008C05, Front Secondary Clarifier Improvements at South Shore Water Reclamation Facility, 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 Johnson, seconded by Commissioner Devine, that this matter be approved by a roll call vote. The motion carried by the following roll call vote:**
- Yes:** 6 - Commissioner Bukiewicz, Commissioner Johnson, Commissioner Kennedy Ph.D., Commissioner Martinsek, Commissioner Swan III and Commissioner Devine
- No:** 0

- 9 21-050-4 **Change Order Request, Contract W98002C22, 2020-2021 Watercourse Maintenance Contract - Northeast Area**
- The Committee received a PowerPoint presentation from Michael Martin, Director of Technical Services, with comments by Jeff Spence, Director of Community Outreach and Business Engagement.*
- Commissioner Swan asked for information on the residency of the contractor's workers.*
- A motion was made by Commissioner Johnson, seconded by Commissioner Devine, that this matter be approved by a roll call vote. The motion carried by the following roll call vote:**
- Yes:** 6 - Commissioner Bukiewicz, Commissioner Johnson, Commissioner Kennedy Ph.D., Commissioner Martinsek, Commissioner Swan III and Commissioner Devine
- No:** 0
-
- 10 21-051-4 **Change Order Request, Contract W98002C24, 2020-2021 Watercourse Maintenance Contract - Southeast Area**
- The Committee received a PowerPoint presentation from Michael Martin, Director of Technical Services, with comments by Jeff Spence, Director of Community Outreach and Business Engagement.*
- Commissioner Swan asked for information on the residency of the contractor's workers.*
- A motion was made by Commissioner Johnson, seconded by Commissioner Devine, that this matter be approved by a roll call vote. The motion carried by the following roll call vote:**
- Yes:** 6 - Commissioner Bukiewicz, Commissioner Johnson, Commissioner Kennedy Ph.D., Commissioner Martinsek, Commissioner Swan III and Commissioner Devine
- No:** 0
-
- 11 21-052-4 **Award of Contract M03108P02, Planning Services - Impact of Water Levels on District Conveyance System Assets**
- The Committee received a PowerPoint presentation from Micki Klappa-Sullivan, Manager of Engineering Planning.*
- A motion was made by Commissioner Johnson, seconded by Commissioner Devine, that this matter be approved by a roll call vote. The motion carried by the following roll call vote:**
- Yes:** 6 - Commissioner Bukiewicz, Commissioner Johnson, Commissioner Kennedy Ph.D., Commissioner Martinsek, Commissioner Swan III and Commissioner Devine
- No:** 0

12 21-053-4

Change Order Request, Contract M10004E02, District Engineering Services for the Private Property Infiltration and Inflow Reduction Program

The Committee received a PowerPoint presentation from Jerome Fogel, Senior Project Manager.

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

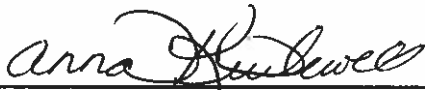
Yes: 6 - Commissioner Bukiewicz, Commissioner Johnson, Commissioner Kennedy Ph.D., Commissioner Martinsek, Commissioner Swan III and Commissioner Devine

No: 0

ADJOURNMENT

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

As there was no further business, the meeting was adjourned at 10:06 a.m.



Anna Kettlewell, Commission Secretary
Milwaukee Metropolitan Sewerage District



COMMISSION FILE NO: 21-062-5 **DATE INTRODUCED:** May 10, 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-2684, On-call Engineering Services for Water Reclamation Facilities

SUMMARY:

The Commission is requested to authorize the Executive Director to execute on behalf of the District Contract TS-2684, On-call Engineering Services for Water Reclamation Facilities (WRF), with Donohue & Associates, Inc., (Donohue) in an amount not to exceed \$750,000. Donohue was the highest scoring proposer, based on a qualifications-based selection method, among five proposals received.

The District has an ongoing need for smaller scale engineering services for the Jones Island and South Shore WRF's. In general, staff anticipates needing engineering services six to 18 times per year, with costs for each task typically ranging from \$5,000 to \$100,000. 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 WRF 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_TS-2684_OnCall_Engineering_WRF_legislative_file.docx
04-12-21

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Contract TS-2684, On-call Engineering Services for Water Reclamation Facilities

The scope of services will be developed for each specific on-call task order as they arise. In summary, the scope of services may include, but is not limited to:

- Planning, studies, preliminary engineering, evaluation of alternatives, developing recommendations, and engineering design.
- Preparation and delivery of technical memoranda and reports.
- Preparation and delivery of plans, specifications, and construction contract bid documents.
- Engineering services during construction.
- Operation and maintenance manuals, startup plans, and training.
- Applications engineering.

Services will be related to both the Jones Island WRF and South Shore WRF.

Contract TS-2684 is expected to last up to three years.

RESOLUTION

Contract TS-2684, On-call Engineering Services for Water Reclamation Facilities

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute Contract TS-2684, On-call Engineering Services for Water Reclamation Facilities, with Donohue & Associates, Inc., in an amount not to exceed \$750,000.



O&M Budget Fiscal Note

RELATING TO:

Contract TS-2684, On-call Engineering Services for Water Reclamation Facilities

Cost Center: Various* _____	Line Item: 645 _____																
Line Item Impact																	
2021 Original Budget	\$0																
Carryovers or Transfers	\$0																
Adjusted Budget	\$0																
Estimated Annual Expenditure including Request	\$0																
Anticipated Year End Balance	\$0																
Actual Year to Date Expenditures Through	\$0																
For unfavorable Year End Balance, identify funding source: <input type="checkbox"/> Absorbed within the Division																	
<input type="checkbox"/> Other Division																	
<input type="checkbox"/> Unallocated Reserve																	
Anticipated Expenditure Timing	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 20%;">Requested Expenditures</th> <th style="width: 20%;">Anticipated Savings/Revenues</th> <th style="width: 30%;">Net Fiscal Impact</th> </tr> </thead> <tbody> <tr> <td>Current Year (2021)</td> <td style="text-align: right;">\$25,000</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$25,000</td> </tr> <tr> <td>Subsequent</td> <td style="text-align: right;">\$50,000</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$50,000</td> </tr> <tr> <td>Total Cost</td> <td style="text-align: right;">\$75,000</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$75,000</td> </tr> </tbody> </table>		Requested Expenditures	Anticipated Savings/Revenues	Net Fiscal Impact	Current Year (2021)	\$25,000	\$0	\$25,000	Subsequent	\$50,000	\$0	\$50,000	Total Cost	\$75,000	\$0	\$75,000
	Requested Expenditures	Anticipated Savings/Revenues	Net Fiscal Impact														
Current Year (2021)	\$25,000	\$0	\$25,000														
Subsequent	\$50,000	\$0	\$50,000														
Total Cost	\$75,000	\$0	\$75,000														

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:	Date
Theresa Zwieg _____	4/11/2021

Contract TS-2684, On-call Engineering Services for Water Reclamation Facilities



Procurement & S/W/MBE Summary Information

Contract # TS-2684 **Cost Center:** ENG

On-call Engineering Services for Water Reclamation Facilities

PROPOSAL SUMMARY

Proposal Receipt Date: 3/17/2021

	Total	SWMBE	Local
# of Proposals	5	1	5
# 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	\$750,000.00	Acceptable	20.0%	20.0%
	<i>n/a</i>			
Arcadis Milwaukee, WI 53202	n/a	Acceptable	20.0%	20.0%
	<i>n/a</i>			
Applied Technologies, Inc. Brookfield, WI 53005 (SBE)	n/a	Acceptable	20.0%	100.0%
	<i>n/a</i>			
Black & Veatch Milwaukee, WI 53202	n/a	Unacceptable	-	-
	<i>n/a</i>			
Symbiont Milwaukee, WI 53214	n/a	Unacceptable	-	-
	<i>n/a</i>			

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	Environmental engineering	TBD	TBD
MBE	Oneida Total Integrated Enterprises Milwaukee, WI 53226	Engineering	TBD	TBD
SBE	AES Engineering Rubicon, WI 53078	Process engineering	TBD	TBD
SBE	Corrosion Control Technologies Cottonwood Heights, UT 84093	Corrosion engineering services	TBD	TBD
SBE	IBC Engineering Waukesha, WI 53186	Engineering	TBD	TBD
SBE	Integrated Process Solutions Waunakee, WI 53597	Electrical and I&C services	TBD	TBD
SBE	Webster Environmental Louisville, KY 40223	Odor control engineering	TBD	TBD
WBE	Zoe Engineering Milwaukee, WI 53222	Electrical engineering	TBD	TBD
WBE	Ionic Structures and Design LLC Plover, WI 54467	Forensic evaluations	TBD	TBD

ECONOMIC DEVELOPMENT ELEMENTS

Local Office Preference? Y

Mentor 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 category. 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; Bloom Companies, LLC; FreshWater Engineering; Fusion Integrated Solutions, LLC; GESTRA Engineering, Inc.; K. Singh & Associates, Inc.; Kapur and Assoc.; L&R Engineering Services, LLC; Terra Engineering Group Ltd.; The Sigma Group

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

EEO DATA

Location: 3311 Weeden Creek Road
Sheboygan, WI 53081 Total # of Employees 115

	<u>Total</u>	<u>%</u>		<u>Total</u>	<u>%</u>
Minorities	<u>7</u>	<u>6.1%</u>	Females	<u>26</u>	<u>22.6%</u>
Asian	<u>4</u>	<u>3.5%</u>	Asian	<u>3</u>	<u>2.6%</u>
Black or African American	<u>2</u>	<u>1.7%</u>	Black or African American	<u>0</u>	<u>0.0%</u>
Hispanic or Latino	<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>	Native American	<u>0</u>	<u>0.0%</u>
Other Minority	<u>0</u>	<u>0.0%</u>	Other Minority	<u>0</u>	<u>0.0%</u>

Labor Market Availability - Minorities 10.0%

Labor Market Availability - Females 50.0%

PRIME PERFORMANCE HISTORY - S/WMBE 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	73%	\$ 232,734	\$ 170,357	\$ 85,181	37%	\$ 46,086	27%
J01013D01 - Eng Svcs - Prelim Treatment Electrical Upgrade	3/19/2019	63%	\$ 629,882	\$ 398,435	\$ 140,023	22%	\$ 82,258	21%
J01021D01 - Grit Removal System Improvements	12/18/2018	72%	\$ 233,765	\$ 167,445	\$ 54,654	23%	\$ 26,562	16%
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	73%	\$ 1,823,055	\$ 1,338,167	\$ 802,144	44%	\$ 210,231	16%
P01006D01 - ES - Interplant Solids Replacement at SSWRF	2/25/2019	80%	\$ 348,863	\$ 280,529	\$ 100,124	29%	\$ 119,550	43%
S02008D01 - Engineering Services SS WRF Capacity Improvements	10/7/2016	82%	\$ 451,456	\$ 368,562	\$ 84,061	19%	\$ 32,439	9%
TS-2636 - Professional Services - Creation of Conveyance O&M Manual	12/1/2016	90%	\$ 518,450	\$ 468,678	\$ 65,169	13%	\$ 122,578	26%
TS-2638 - On-Call Engineering Services for WRF	12/5/2016	88%	\$ 485,398	\$ 426,417	\$ 97,080	20%	\$ 109,220	26%

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



COMMISSION FILE NO: 21-063-5 **DATE INTRODUCED:** May 10, 2021

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

REFERRED BY COMMISSION CHAIRPERSON TO: Operations Committee

RELATING TO: Restore Executive Director's Original Delegated Authority, Contract J04067C01, Dewatering and Drying South Cake Loadout Addition at Jones Island Water Reclamation Facility

SUMMARY:

The Commission is requested to restore the Executive Director's original delegated change order authority on Contract J04067C01, Dewatering and Drying (D&D) South Cake Loadout Addition at Jones Island Water Reclamation Facility (JIWRF), with Doral Corporation.

The D&D Building at JIWRF produces Milorganite®. Dewatering is a mechanical process used to remove water from blended sludge prior to heat drying. The dewatering equipment, all located within the D&D Building, consists of dewatering belt filter presses (BFP) and a sludge cake conveyance system. There are 24 BFP's, 12 on the north side of the building and 12 on the south side. The sludge cake conveyance system normally transfers dewatered sludge cake from the BFP's to the Milorganite® dryers.

The District must continuously process biosolids to treat wastewater and meet permit requirements. Milorganite® production is the preferred means to process biosolids, both economically and for the purpose of beneficial reuse. If the Milorganite® dryers are unavailable for an extended period, the District has secondary means to process biosolids at South Shore Water Reclamation Facility (SSWRF).

Dewatered cake from the north side BFP's can be loaded via an existing conveyor and drop chute loadout system into trucks for offsite disposal if dryers are unavailable at JIWRF and secondary means to process biosolids are unavailable at SSWRF. The north side BFP's and loadout system are incapable of processing all biosolids. Adding a loadout system on the south side of the building will enable processing of all biosolids. The purposes are to increase operational flexibility and to provide a means for processing all biosolids at JIWRF if long term outages are encountered.

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

*OP_J04067C01_ED_Authority_May_legislative_file.docx
04-16-21*

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

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

In February 2020, the Commission authorized and the District executed construction Contract J04067C01 in the amount of \$487,000. The contract scope provides a cake loadout system on the south side of the D&D Building.

The Commission has delegated to the Executive Director the authority to make changes to construction contracts up to a cumulative amount of \$50,000 for contracts that were originally less than \$500,000. To date the Executive Director has utilized \$45,725 of this authority, leaving a balance of \$4,275. The request to restore the Executive Director's authority is in case any additional construction changes beyond the remaining Executive Director's authority are necessary. Without this restored authority, work may need to stop while staff obtains necessary change order authority from the Commission.

RESOLUTION

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

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director's original delegated change order authority is restored on Contract J04067C01, Dewatering and Drying South Cake Loadout Addition at Jones Island Water Reclamation Facility, with Doral Corporation.



COMMISSION FILE NO: 21-064-5 **DATE INTRODUCED:** May 10, 2021

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

REFERRED BY COMMISSION CHAIRPERSON TO: Operations Committee

RELATING TO: Contract C06023D01, Engineering Services – Veterans Affairs Grounds Metropolitan Interceptor Sewer Relocation

SUMMARY:

The Commission is requested to authorize the Executive Director to execute on behalf of the District Contract C06023D01, Engineering Services – Veterans Affairs Grounds Metropolitan Interceptor Sewer (MIS) Relocation, with K. Singh & Associates, Inc., in an amount not to exceed \$278,009. K. Singh & Associates, Inc., was the highest scoring proposer based on a qualifications-based selection method among three proposals received.

The District owns a 24-inch-diameter, nearly 100-year-old MIS that runs through the Clement J. Zablocki Veterans Affairs Medical Center (VAMC) grounds in the City of Milwaukee. The U.S. Department of Veteran Affairs is constructing a new Radiation Oncology Building on the VAMC grounds. This building is being constructed directly over the MIS. In addition, the MIS sits below several other buildings on the VAMC grounds. With the MIS underneath the existing buildings along with the new building, access is difficult, and any needed work on the MIS would be challenging. Any MIS failures would pose risks to the above ground structures.

To remove any risks and access challenges associated with the location of the existing MIS, District staff recommends constructing a new MIS around the existing buildings and abandoning the existing MIS. The new MIS would also need to connect with any existing VAMC building laterals. The new MIS would be capable of providing another 100 years of service.

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

*OP_Contract_C06023D01_Vet_Affair_Grounds_legislative_file.docx
04-22-21*

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Contract C06023D01, Engineering Services – Veterans Affairs Grounds Metropolitan
Interceptor Sewer Relocation

Under Contract C06023D01, the consultant will perform the following services related to the proposed MIS:

- Project management.
- Preliminary design.
- Field investigation and data collection.
- Final design, including bid document preparation.
- Land acquisition and easement assistance.
- Bid and award services.
- 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 34 months.

RESOLUTION

Contract C06023D01, Engineering Services – Veterans Affairs Grounds Metropolitan
Interceptor Sewer Relocation

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute Contract C06023D01, Engineering Services – Veterans Affairs Grounds Metropolitan Interceptor Sewer Relocation, with K. Singh & Associates, Inc., in an amount not to exceed \$278,009.

Contract C06023D01, Engineering Services – Veterans Affairs Grounds Metropolitan Interceptor Sewer Relocation



Procurement & S/W/MBE Summary Information

Contract # C06023D01 **Cost Center:** ENG

Engineering Services – Veterans Affairs Grounds Metropolitan Interceptor Sewer Relocation

PROPOSAL SUMMARY

Proposal Receipt Date: 2/26/2021

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

Proposals (listed by rank)	Negotiated Price	Acceptable?	% Sub	% SWMBE
	<i>Submitted Price</i>			
K. Singh & Associates, Inc. Wauwatosa, WI 53222 (MBE)	\$278,009.00	Acceptable	27.1%	88.0%
	<i>\$265,534.00</i>			
Kapur & Associates Milwaukee, WI 53217 (MBE)	-	Unacceptable	27.0%	88.0%
	-			
R.A. Smith, Inc. Milwaukee, WI 53204	-	Unacceptable	55.4%	12.4%
	-			

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	Structural Engineering, Hydraulics	12.1%	\$33,530.00
SBE	Soils & Engineering Services, Inc. Madison, WI 53713	Drilling	3.1%	\$8,500.00
Non-SWMBE	Ring & DuChateau Brookfield, WI 53045	Utility Relocation Support	3.6%	\$9,975.00
Non-SWMBE	SmithGroup Milwaukee, WI 53202	VA Coordination	7.3%	\$20,160.00
Non-SWMBE	UWM-CRM Milwaukee, WI 53211	Archeological Services	1.1%	\$3,197.00

ECONOMIC DEVELOPMENT ELEMENTS

Local Office Preference? Y

Mentor 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 Architectural & 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:

Aqua Vitae Engineering; Beth Foy and Associates, LLC; Emmons and Olivier Resources, Inc.; Fusion Integrated Solutions, LLC; GESTRA Engineering, Inc.; Globetrotters Engineering Corporation; Himalayan Consultants, LLC; IBC Engineering Services, Inc.; K. Singh & Associates, Inc.; Kapur & Associates, Inc.; M Squared Engineering; Oneida Total Integrated Enterprises (OTIE); Ruekert & Mielke, Inc.; Stormwater Solutions Engineering

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

n/a

Additional Comments:

n/a

AWARDEE INFORMATION

Company: K. Singh & Associates
 Contact Person: Ajay Singh, PE, MPM
 Phone Number: (262) 821-1171
 E-mail Address: asingh@ksinghengineering.com

EEO DATA

3636 N. 124th Street
 Location: Wauwatosa, WI 53222 Total # of Employees 21

	<u>Total</u>	<u>%</u>		<u>Total</u>	<u>%</u>
Minorities	10	47.6%	Females	4	19.0%
Asian	7	33.3%	Asian	2	9.5%
Black or African American	1	4.8%	Black or African American	1	4.8%
Hispanic or Latino	2	9.5%	Hispanic or Latino	0	0.0%
Native American	0	0.0%	Native American	0	0.0%
Other Minority	0	0.0%	Other Minority	0	0.0%

Labor Market Availability - Minorities 22.0%

Labor Market Availability - Females 49.0%

PRIME PERFORMANCE HISTORY - S/W/MBE COMPLIANCE

Contract Title	Start Date	Percent Complete	Contract Value	Payments to Prime	Proposed SWMBE \$	Proposed SWMBE %	SWMBE Actuals \$	SWMBE Actuals %
C02011D01 - Eng Svcs, Greenfield Park Force Main Rehab	5/24/2019	84%	\$ 280,160	\$ 236,006	\$ 206,338	74%	\$ 189,593	80%
TS-2615, General On-Call Engineering Services for Watercourse Facilities	4/6/2015	86%	\$ 149,999	\$ 129,120	\$ 112,499	75%	\$ 129,120	100%

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



COMMISSION FILE NO: 21-065-5 **DATE INTRODUCED:** May 10, 2021

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

REFERRED BY COMMISSION CHAIRPERSON TO: Operations Committee

RELATING TO: Contract I05002D01, Engineering Services, Combined Sewer Outfall 195 Relocation

SUMMARY:

The Commission is requested to authorize the Executive Director to execute on behalf of the District Contract I05002D01, Engineering Services, Combined Sewer Outfall (CSO) 195 Relocation, with Symbiont Science, Engineering and Construction, Inc., (Symbiont) in an amount not to exceed \$424,775. Symbiont was the highest scoring proposer based on a qualifications-based selection method between two proposals received.

The District collection system receives and conveys both combined and separate sewage from the City of Milwaukee sewer system. Combined sewage consists of both wastewater and stormwater runoff, and these flows can increase significantly during wet weather. During significant wet weather events, the capacities of the District's collection system, inline storage system (ISS), and water reclamation facilities can be exceeded, resulting in combined sewer overflows. Combined sewer overflows are typically initiated by closing gates to the ISS. When ISS gates are closed, combined sewage is discharged to rivers through combined sewer outfalls.

The existing CSO 195 discharges into Lake Michigan on Jones Island, north of the Lake Express Ferry terminal. The existing CSO is a double 78-inch by 90-inch box sewer constructed in 1939.

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

*OP_Award_I05002_CSO_195_Relocation_legislative_file.docx
04-22-21*

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Contract I05002D01, Engineering Services, Combined Sewer Outfall 195 Relocation

Over time, contaminated sediment has accumulated in the downstream portions of the rivers. In 1987, the United States Environmental Protection Agency designated the Milwaukee Estuary (the area where Milwaukee's three rivers converge) as an Area of Concern (AOC) due to historical contamination. With the AOC designation and subsequent stakeholder work, areas within the AOC that have been identified as needing sediment remediation to date include portions of the lower Kinnickinnic River, segments of the Milwaukee River upstream to Estabrook Park, and smaller areas of the Menomonee River parallel to Canal Street. Primary contaminants of concern include heavy metals, polychlorinated biphenyls, polycyclic aromatic hydrocarbon, and polyfluoroalkyl substances. Stakeholders are developing an action plan to address the beneficial use impairments, including identifying specific sediment remediation projects. Those projects typically will involve sediment dredging and disposal of the sediment.

Once the contaminated sediment is dredged, it must be managed. A design technical work group consisting of Wisconsin Department of Natural Resources, the City of Milwaukee, the Port of Milwaukee, We Energies, and others evaluated alternatives and ultimately recommended construction of a Dredged Material Management Facility (DMMF). The DMMF is space adjacent to the Lake and immediately north of an existing confined disposal facility. Dredged material would be placed within the DMMF, where it will settle over time. When the DMMF is completed, this facility will provide safe, secure containment for 1.9 million cubic yards of sediment removed from the Milwaukee, Menomonee, and Kinnickinnic Rivers. Removing the contaminated sediment will help remediate impairments in the AOC, address the adverse impacts of pollution, and improve overall water quality. In addition, there is space within the DMMF for the Port of Milwaukee to place material dredged for commercial navigation purposes and for the District to place soil and materials that have been excavated as part of District watercourse projects.

The location of the proposed DMMF conflicts with the location of the District's CSO 195; therefore, it is necessary to relocate CSO 195. Project I05002 includes engineering, design, and construction to relocate the existing CSO 195 to accommodate the construction of the new DMMF.

SUMMARY (Cont'd)

Contract I05002D01, Engineering Services, Combined Sewer Outfall 195 Relocation

Under proposed Contract I05002D01, the consultant will perform the following services, all related to the relocation of CSO 195:

- Project management.
- Alternatives and engineering analysis.
- Design the following elements:
 - New 78-inch by 90-inch box sewer.
 - New outfall structure.
 - Abandonment of existing CSO 195.
- Prepare final plans and specifications.
- Bid and award services.
- 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 34 months.

RESOLUTION

Contract I05002D01, Engineering Services, Combined Sewer Outfall 195 Relocation

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute Contract I05002D01, Engineering Services, Combined Sewer Outfall 195 Relocation, with Symbiont Science, Engineering and Construction, Inc., in an amount not to exceed \$424,775.

Contract I05002D01, Engineering Services, Combined Sewer Outfall 195 Relocation



Procurement & S/W/MBE Summary Information

Contract # I05002D01 Cost Center: ENG

Engineering Services, Combined Sewer Overflow (CSO) 195 Relocation

PROPOSAL SUMMARY

Proposal Receipt Date: 3/5/2021

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

Proposals (listed by rank)	Negotiated Price	Acceptable?	% Sub	% SWMBE
	Submitted Price			
Symbiont Science, Engineering and Construction, Inc. Milwaukee, WI 53214	\$424,775.00 \$424,775.00	Acceptable	37.9%	37.2%
Strand Associates, Inc. Milwaukee, WI 53202	- \$753,000.00	Acceptable	26.5%	26.5%

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

SUBCONSULTANT INFORMATION

Type	Subconsultant Name	Type of Work	%	Amount
MBE	Kapur & Associates Milwaukee, WI 53217	CAD, Traffic Control, Site Assessment	20.0%	\$84,870.00
MBE	Gestra Engineering Milwaukee, WI 53207	Geotechnical Investigation	15.9%	\$67,440.00
WBE	Penne Wilson Consulting Sturgeon Bay, WI 54235	Technical Editing	1.4%	\$5,850.00
Non-SWMBE	UWM-CRM Milwaukee, WI 53211	Archeological Assessment	0.7%	\$2,962.00

ECONOMIC DEVELOPMENT ELEMENTS

Local Office Preference? Y

Mentor 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 in the Architectural & Engineering and Professional Services categories, and sent targeted e-mails to 72 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.; Crane Engineering; Fusion Integrated Solutions, LLC; GESTRA Engineering, Inc.; Globetrotters Engineering Corporation; K. Singh & Associates, Inc.; Kapur & Associates, Inc.; M Squared Engineering; Mid City Plumbing & Heating, Inc.; Oneida Total Integrated Enterprises (OTIE); Ruekert & Mielke, Inc.; Sabel Mechanical; Terra Engineering & Construction Corporation

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

n/a

Additional Comments:

n/a

AWARDEE INFORMATION

Company: Symbiont Science, Engineering and Construction, Inc.
 Contact Person: Amy L. Post, P.E
 Phone Number: (414) 755-1132
 E-mail Address: amy.post@symbiontengineer.com

EEO DATA

6737 W. Washington Street,
 Suite 340
 Location: Milwaukee, WI 53214 Total # of Employees 110

	<u>Total</u>	<u>%</u>		<u>Total</u>	<u>%</u>
Minorities	<u>7</u>	<u>6.4%</u>	Females	<u>28</u>	<u>25.5%</u>
Asian	<u>3</u>	<u>2.7%</u>	Asian	<u>1</u>	<u>0.9%</u>
Black or African American	<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>	Hispanic or Latino	<u>1</u>	<u>0.9%</u>
Native American	<u>0</u>	<u>0.0%</u>	Native American	<u>0</u>	<u>0.0%</u>
Other Minority	<u>2</u>	<u>1.8%</u>	Other Minority	<u>2</u>	<u>1.8%</u>

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 %
C98045D01 CONVEYANCE GATE REHAB DESIGN - PHASE 11	7/29/2013	100%	\$ 394,240	\$ 357,637	\$ 150,600	38%	\$ 168,158	47%
C98051D01 Conv Gate Rehab - Phase 3	7/20/2015	100%	\$ 310,450	\$ 310,450	\$ 124,180	40%	\$ 132,177	43%
C98053D01 Eng. Sers. Conv. Gate Rehab- Phase 4	11/1/2015	100%	\$ 353,536	\$ 353,536	\$ 148,697	42%	\$ 170,223	48%
I06001D01 - Engineering Services - NS-12 Collector System Requirements	8/22/2017	84%	\$ 1,198,351	\$ 1,010,675	\$ 231,042	19%	\$ 177,351	18%
J04033D01, D&D Drainage Piping and Quench Chambers Rehab	3/5/2015	100%	\$ 166,966	\$ 162,307	\$ 56,768	34%	\$ 47,985	30%
J04035D01 - ES Greens Grade Train Replacement	7/25/2018	84%	\$ 776,457	\$ 652,917	\$ 308,331	40%	\$ 184,864	28%
J04038D01 - Milorganite Dryers Waste Heat Isolation & Flow Control Valve Replacement	10/2/2019	69%	\$ 262,684	\$ 182,174	\$ 102,552	39%	\$ 48,032	26%
J04039D01 - Eng. Services JI WRF Pressure Relief Panel	11/17/2015	100%	\$ 352,498	\$ 352,424	\$ 74,377	21%	\$ 85,452	24%
J04050D01 - Eng Serv Dryer Feed & Discharge Screw Conveyor	7/1/2016	85%	\$ 459,640	\$ 390,721	\$ 172,181	37%	\$ 124,371	32%
J04051D01 - Eng. Services Main Recycle Air Belt Feed Screw Conveyor	4/26/2016	100%	\$ 93,651	\$ 91,543	\$ 24,874	27%	\$ 14,182	15%
J04052D01 - Preliminary Engineering & Engineering Services for Milorganite Facility Improvements	8/1/2016	98%	\$ 388,483	\$ 380,246	\$ 125,325	32%	\$ 83,398	22%
J04057D01 Design and Engineering Services for JI WRF	1/1/2016	100%	\$ 127,556	\$ 127,547	\$ 30,613	24%	\$ 20,779	16%
J04074E01 - Prelim Eng - Milorganite Packaging Facility	4/22/2020	65%	\$ 374,626	\$ 244,985	\$ 87,213	23%	\$ 27,523	11%
J06026D01, JI & SS WRF Lighting Upgrade Design	4/20/2017	99%	\$ 296,694	\$ 295,031	\$ 102,567	35%	\$ 64,160	22%
J06054D01 ISS Crane & Tunnel Fan Overhaul	7/20/2015	96%	\$ 268,483	\$ 256,996	\$ 74,987	28%	\$ 84,448	33%
M01019P01 - Development of Air Monitoring Plans for Certain Conveyance & WRFs	8/1/2016	100%	\$ 389,316	\$ 389,207	\$ 69,065	18%	\$ 22,446	6%
S04030D01 - ES SS Aeration Basin Concrete Rehab Phase 3	7/27/2018	98%	\$ 203,516	\$ 198,976	\$ 69,541	34%	\$ 50,253	25%
TS-2640, On-Call Engineering Services for Conveyance Facilities	10/13/2017	71%	\$ 408,707	\$ 292,110	\$ 81,741	20%	\$ 86,795	30%

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



COMMISSION FILE NO: 21-066-5 **DATE INTRODUCED:** May 10, 2021

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

REFERRED BY COMMISSION CHAIRPERSON TO: Operations Committee

RELATING TO: Restore Executive Director's Original Delegated Authority, Contract P01005C04, Pipeline Cleaning Phase 1 – Interplant Sludge System Improvements

SUMMARY:

The Commission is requested to restore the Executive Director's original delegated change order authority on Contract P01005C04, Pipeline Cleaning Phase 1 – Interplant Sludge (IPS) System Improvements, with Michels Corporation.

The IPS System allows for the transfer of biosolids between the Jones Island Water Reclamation Facility (JIWRF) and the South Shore Water Reclamation Facility (SSWRF). The IPS System is critical for processing biosolids and producing Milorganite®. An IPS System outage can result in operational challenges, lost opportunities to create digester gas, and significant increases in operating costs. The IPS System has been in service for approximately 25 years.

The IPS System consists of a pump station located at JIWRF, a pump station located at SSWRF, and four parallel ductile iron pipelines each 12 miles long connecting the two facilities. A cathodic protection system helps protect the pipelines from external corrosion.

The transfer of sludge biosolids between JIWRF and SSWRF has been reasonably reliable; however, there has been a reduction in pipeline flow capacity since the system was commissioned. The cause of the reduced flow capacity is likely the accumulation of settled solids at pipeline low points and an accumulation of air at high points. The decrease in flow capacity increases the amount of energy needed to transfer biosolids between facilities. The overall purpose of this project is to restore the reliability, operational capability, and energy efficiency of the IPS System.

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

*OP_P01005C04_ED_Authority_legislative_file.docx
04-14-21*

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Restore Executive Director's Original Delegated Authority, Contract P01005C04, Pipeline Cleaning Phase 1 – Interplant Sludge System Improvements

In October 2019, the Commission authorized Contract P01005C04 in the amount of \$900,488. The contract scope includes cleaning three miles (of the total 48 miles) of pipeline. The contract goals include improving performance within the three-mile pipeline segment, helping staff better estimate both the quantity of solids within the remaining pipelines along with the level of effort required to clean the remaining pipelines. These estimates will be applied to a subsequent bid document for cleaning the remaining 45 miles of pipeline.

The Commission has delegated to the Executive Director the authority to make changes to construction contracts up to \$400,000 or 10 percent of the original contract price, whichever is less. For this contract, a limit of \$90,048 prevails. To date, the Executive Director has utilized \$80,048 of this authority, leaving a balance of \$10,000. The request to restore the Executive Director's authority is in case any additional construction changes beyond the remaining Executive Director's authority are necessary. Without this restored authority, work may need to stop while staff obtains necessary change order authority from the Commission.

RESOLUTION

Restore Executive Director's Original Delegated Authority, Contract P01005C04,
Pipeline Cleaning Phase 1 – Interplant Sludge System Improvements

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director's original delegated change order authority is restored on Contract P01005C04, Pipeline Cleaning Phase 1 – Interplant Sludge System Improvements, with Michels Corporation.



COMMISSION FILE NO: 21-067-5 **DATE INTRODUCED:** May 10, 2021

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

REFERRED BY COMMISSION CHAIRPERSON TO: Operations Committee

RELATING TO: Change Order Request, Contract W45002D01, Engineering Services – Wilson Park Creek Reach 3 – Phase 1, and Restore the Executive Director’s Original Delegated Authority

SUMMARY:

The Commission is requested to authorize the Executive Director to execute a change order to Contract W45002D01, Engineering Services – Wilson Park Creek (WPC) Reach 3 – Phase 1, with HNTB Corporation (HNTB) in an amount not to exceed \$1,315,696 and to restore the Executive Director’s original delegated authority.

The Kinnickinnic River Watercourse Management Plan (KKRWMP) identifies the number of structures in the floodplain and further identifies projects planned for implementation within the watershed. One stream reach within the KKRWMP is the WPC Reach 3. WPC Reach 3 is between West Layton Avenue and South 1st Street and the Canadian Pacific Railway (CPR) tracks near I-94/43 in the City of Milwaukee. Staff have further split the WPC Reach 3 project into two phases (Phase 1 and Phase 2). Phase 1 is between the CPR tracks and South 6th Street, while Phase 2 is between South 6th Street and West Layton Avenue.

The overall WPC Reach 3 project will reduce flood risk for 60 structures, improve public safety, and improve aquatic and riparian habitat. The WPC Reach 3 Phase 1 project includes design and construction of a flood storage basin and widening and naturalizing the stream channel between the CPR tracks and South 6th Street. The WPC Reach 3 Phase 2 project consists of removing concrete, widening and naturalizing the concrete-lined channel between South 6th Street and West Layton Avenue, and increasing the capacity of the South 5th and 6th Street culverts.

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

OP_W45002D01_CO_WPC_Reach_3_Phase_1_Restore_Authority_legislative_file.docx
04-22-21

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Change Order Request, Contract W45002D01, Engineering Services – Wilson Park Creek Reach 3 – Phase 1, and Restore the Executive Director's Original Delegated Authority

In September 2018, the Commission awarded Contract W45002D01, Engineering Services – WPC Reach 3 – Phase 1, to HNTB. The scope of services under this contract includes the following:

- Providing project management services.
- Performing alternative analysis and preliminary engineering to add conveyance capacity at both the South 5th and 6th Street culverts. (Final design to be performed under a future Phase 2 engineering contract).
- Designing a 69-million-gallon (MG) flood storage basin adjacent to I-94/43 and west of South 6th Street. This includes an embankment dam and structures to control flow in and out of the storage basin.
- Designing a widened and naturalized 2,300-foot-long channel from the CPR tracks to South 6th Street.
- Developing and assisting in implementing a public outreach program.
- Preparing plans and specifications for bidding purposes.
- Performing utility coordination.
- Providing environmental and geotechnical services, including developing a materials management plan.
- Providing bid and award services and engineering services during construction.
- Providing post-construction vegetation and geomorphic assessments.
- Assisting the District with developing a Federal Emergency Management Agency (FEMA) permit application.

The project will ultimately result in 60 structures no longer being in the FEMA regulatory floodplain. To achieve this, all design and construction must meet FEMA's requirements. In addition, the State of Wisconsin and City of Milwaukee have floodplain requirements that are at least as restrictive as FEMA's. These requirements can drive District decisions regarding how staff sequences design and construction of project elements, and all work must be coordinated with these three agencies.

As staff has developed the sequencing approach and to minimize regulatory impacts to property owners, staff is recommending a change to the sequencing approach that was planned and scoped out in the HNTB design Contract W45002D01.

SUMMARY (Cont'd)

Change Order Request, Contract W45002D01, Engineering Services – Wilson Park Creek Reach 3 – Phase 1, and Restore the Executive Director's Original Delegated Authority

The original sequencing approach was for HNTB (under existing contract) to design and prepare bid and contract documents for the following Phase 1 work:

- 69-MG flood storage basin, dam, and flow control structures, and begin their use after construction.
- 2,300-foot-long channel from the CPR tracks to South 6th Street (generally adjacent to the flood storage facility).

After HNTB completes this design, the District would publicly bid and award this construction contract.

The District would separately procure a new design contract to design the following Phase 2 improvements:

- Additional conveyance capacity at both the South 5th and 6th Street culverts.
- Concrete removal and channel naturalization of 2,500 feet of concrete channel from South 6th Street to W. Layton Avenue.

That Phase 2 work would then be publicly bid and constructed.

SUMMARY (Cont'd)

Change Order Request, Contract W45002D01, Engineering Services – Wilson Park Creek Reach 3 – Phase 1, and Restore the Executive Director's Original Delegated Authority

To avoid regulatory impacts to property owners and to help expedite design and construction of both Phases 1 and 2, staff now proposes the following sequence of work. This includes a description of the proposed change order that staff is requesting in this Commission document.

- Modify HNTB's scope of services to design and develop a bid package consisting solely of construction of most of the flood storage basin, but not the embankment dam and flow control structure. This is a portion of the original Phase 1 scope. The construction work will be publicly bid and awarded in 2021.
- Modify HNTB's scope of services to engineer, design, and develop another bid package consists of the remainder of the Phase 1 scope plus all Phase 2:
 - The remainder of the flood storage basin, embankment dam, and flow control structure.
 - 2,300-foot-long channel from the CPR tracks to South 6th Street (generally adjacent to the flood storage facility).
 - Additional conveyance capacity at both the South 5th and 6th Street culverts.
 - Concrete removal and channel naturalization of 2,500 feet of concrete channel from South 6th Street to W. Layton Avenue.
 - Reconstruction of City of Milwaukee utilities, including one 15-inch sanitary sewer, one eight-inch watermain, one 16-inch watermain, and one 60-inch watermain.
 - With the inclusion of the Phase 2 scope, the following task items from the original Phase 1 are included and expanded:
 - Project management.
 - Stakeholder and public outreach meetings assistance.
 - Utility coordination.
 - Final design bid documents.
 - Final design report.
 - Environmental sampling and analysis.
 - Subsurface investigations.
 - Materials management plan.
 - Bid and award services.
 - Engineering services during construction.
 - Post-construction vegetation assessments.
 - FEMA permit application assistance.

The construction work for this phase will be publicly bid and awarded in 2024.

SUMMARY (Cont'd)

Change Order Request, Contract W45002D01, Engineering Services – Wilson Park Creek Reach 3 – Phase 1, and Restore the Executive Director’s Original Delegated Authority

	AMOUNT	PERCENTAGE INCREASE OVER ORIGINAL CONTRACT	AUTHORIZED BY	SWMBE
Original Contract	\$1,449,751		Commission	34.3%
Previous Change Orders	\$140,368	9.7%	Executive Director	5.8%
Requested Change Order	\$1,315,696	90.7%	Request of Commission	20.1%
Total Change Orders	\$1,456,064	100.4%		18.7%
TOTAL	\$2,905,815			26.5%

For engineering service contracts greater than or equal to \$500,000, the Commission has delegated to the Executive Director the authority to make changes up to \$200,000 or 10 percent of the original contract price, whichever is less. For this contract, a limit of \$144,975 prevails. To date, the Executive Director has utilized \$140,368 of this authority, leaving a balance of \$4,607. The request to restore the Executive Director’s authority is in case any other additional engineering services are needed.

RESOLUTION

Change Order Request, Contract W45002D01, Engineering Services – Wilson Park Creek Reach 3 – Phase 1, and Restore the Executive Director’s Original Delegated Authority

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute a change order to Contract W45002D01, Engineering Services – Wilson Park Creek Reach 3 – Phase 1, with HNTB Corporation, in an amount not to exceed \$1,315,696, and that the Executive Director’s original delegated authority is restored.



COMMISSION FILE NO: 21-068-5 **DATE INTRODUCED:** May 10, 2021

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

REFERRED BY COMMISSION CHAIRPERSON TO: Operations Committee

RELATING TO: Approve Change in Total Project Cost for Project C98044, Metropolitan Interceptor Sewer Abandonment in Various Locations, and Amend Total Project Cost for Project M99001, Allowance for Cost and Schedule Changes

SUMMARY:

The Commission is requested to increase the total project cost (TPC) for Project C98044, Metropolitan Interceptor Sewer Abandonment in Various Locations, by \$110,000 for an amended total project cost of \$1,534,364 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 efficiently fund work on District sewers, including improving, abandoning, and changing sewers that are not part of other District projects or work and are associated with work. The work is typically performed by others under memoranda of understanding, intergovernmental cooperation agreements (ICA), or purchase orders. These changes occur or become evident under municipal, Wisconsin Department of Transportation, and developer projects near or on District sewers.

Project C98044 was first introduced in the District budget in 2012. When problems are discovered with District sewers by other entities during their construction projects, the District must quickly respond to repair or resolve the problem. These problems include sinkholes, improperly abandoned sewers, holes, and other issues that need resolution before the construction project is completed.

The improvements under this project are expected to have a positive impact on the District's operating budget since they specifically reduce the infiltration and inflow, the amount of sewers that must be maintained and operated, or reduce other costs to the District.

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

OP_C98044_MIS_Abandonment_Various_Locations_legislative_file.docx
04-22-21

COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

BACKGROUND

Approve Change in Total Project Cost for Project C98044, Metropolitan Interceptor Sewer Abandonment in Various Locations, and Amend Total Project Cost for Project M99001, Allowance for Cost and Schedule Changes

In May 2019, the District entered into an ICA with the City of Franklin (City) for odor control on the Ryan Creek Interceptor. The initial work was completed, and the work improved the conditions, but the addition of an air scrubber unit will create a negative pressure to keep the odors from entering the structures. The proposed work includes the installation of an air scrubber unit to the Ryan Creek Interceptor. The interceptor was constructed by the City, and the District is in the process of reimbursing the City and will take ownership of the sewer in 2031. The proposed work is within the original authority of the ICA.

RESOLUTION

Approve Change in Total Project Cost for Project C98044, Metropolitan Interceptor Sewer Abandonment in Various Locations, and Amend Total Project Cost for Project M99001, Allowance for Cost and Schedule Changes

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the total project cost for Project C98044, Metropolitan Interceptor Sewer Abandonment in Various Locations, is increased by \$110,000 for a total amended project cost of \$1,534,364 and that a corresponding decrease is made to the total project cost for Project M99001, Allowance for Cost and Schedule Changes.

OPERATIONS COMMITTEE MEETING

May 10, 2021

EXECUTIVE DIRECTOR'S REPORT

21-001-01

A. Monthly Reports

May 2021

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