Board Meeting Minutes ~ February 27, 2020

The Board Directors of Lower Bucks County Joint Municipal Authority held their monthly meeting on Thursday February 27, 2020 at the Authority's Administration Building located at 7811 New Falls Road, Levittown, Pennsylvania 19055.

Call to Order

Mr. Chase, Chairman, called the meeting to order at 7:05 P.M., which was followed by the Pledge of Allegiance, Mr. Chase asked everyone to take a moment to keep in mind our police officers, first responders and all of our armed forces that keep us safe every day.

Roll Call

Mrs. Magro took roll call as follows:

Board Members Present:

Present Michael Sidoti

Cindy Murphy James Chase Joseph Glasson Michele Hammar

Absent: John Monahan

Also Present Vijay Rajput, Ph.D., P.E., Managing Director/Director of Operations

Colleen Dunn, Finance Manager

Nancy Burnell, Meter Department Supervisor

Mike Andrews, WWTP Manager/Engineering Assistant Phil Smythe, Field Technician, Lift Station Supervisor

James A. Downey, III, Solicitor

Public Participation

Patty Bailey, a Realtor with Berkshire Hathaway, stated that she has a client that, approximately 25 years ago, applied and received permits from Bristol Township to put an addition on and extend their driveway. About three years ago, the Authority went out to a neighbor's house to mark trees, bushes, etc. and noticed that her client's shed was on the easement, so they also marked that. Her clients moved the shed and received a clear sewer certification. They never said anything about the driveway or the addition being on the easement. When they put their house up for sale, a certification request was sent to the Authority. The Authority informed them that 1 ½ feet of the addition was on the easement and needed to come down. They had several offers for the House, however, they all backed out. The third buyer agreed to take on the responsibility.

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A check is going to be issued to the Contractor at settlement. They also had a survey done to make sure everything was correct.

Phil Smythe added that we have gone to a few Real Estate offices over the past few years in order to give the Realtors a better understanding as to why the Authority is taking this type of approach so they can pass this information on to their clients. Dr. Rajput added that the Authority has invested quite a bit of money for the lining of the sewer lines as well as replacing the water lines. Mr. Smythe added that the sewer system has been completely turned around, we went from close to 600 sewer blocks a year to last year having only 50.

Approval of the February 2020 Accounts Payable as Presented to the Board Directors

Motion

Mrs. Murphy made a motion, seconded by Mrs. Hammar, to approve the February 2020 Accounts Payable as Presented to the Board Directors.

Roll Call on the Motion

Mr. Sidoti Aye Mrs. Murphy Aye Mr. Chase Aye Mrs. Hammar Aye

Approval of the Board Meeting Minutes of January 23, 2020 Motion

Mr. Sidoti made a motion, seconded by Mrs. Murphy approving the Board Meeting minutes for January 23, 2020. Mrs. Murphy pointed out that in the body of the minutes December 17, 2019 was listed instead of January 23, 2020. Mrs. Magro stated that she will correct the minutes to reflect the above.

Roll Call on the Motion

Mr. Sidoti Aye Mrs. Murphy Aye Mr. Chase Aye Mrs. Hammar Aye

^{*} Mr. Glasson had to step away from the meeting to take a phone call Motion carried 4 Aye Votes

^{*}Mr. Glasson had to step away from the meeting to take a phone call Motion carried 4 Aye Votes

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Managing Director's Report

Contract No. WWTP-409: Restoration of Concrete Sidewalks, Driveways, Aprons, Curbs and Sites Affected by Water Main Breaks

Bids were received and opened on February 20, 2020 for Contract No. WWTP-409. The main purpose of this Contract is to restore concrete sidewalks, curbs, driveway aprons and street patching pertaining to the water main repair and replacement project of the Authority or similar work involving concrete and/or bituminous concrete work required within the Authority's service area and any other restoration involving concrete sidewalks, driveways, etc., within the Authority's facilities. A tabulation of the bid results is presented in the attached Table

There were a total of two (2) bidders. John Feher Concrete Construction, LLC (JFCC, LLC) submitted a proposal with the lowest unit bid price for the two (2) items involving 4 inch and 6 inch concrete sidewalks. John Feher Concrete Construction, LLC also submitted a proposal with the lowest unit bid price for all four (4) alternate bid items involving concrete curb, concrete handicap ramps and bituminous concrete driveways. A review of the bid proposal and bid documents show that John Feher Concrete Construction, LLC, has the required qualifications for this project and has also been determined to be the lowest responsible bidder. It is recommend awarding Contract WWTP-409 to John Feher Concrete Construction, LLC (JFCC, LLC) located at 18 Steel Road West, Morrisville, PA 19067 for the unit prices presented in the attached Table for all 6 bid items including alternate items.

*MOTION NEEDED

BASE BID ITEMS

			G&B Construction Grp Inc 632 Davisville Rd. Willow Grove, PA 19090	JFI Concrete 18 Steel Rd. W Morrisville, PA 19067
ltem	Unit	Description	Unit Bid Amount	Unit Bid Amount
1	ft²	Saw cut as required, furnish and install 4" concrete for all required walking surfaces and restore the site as specified in these contract documents.	\$22.00	\$8.50
2	ft²	Saw cut as required, furnish and install 6" concrete for all required drivable surfaces and restore the site as specified in these contract documents.	\$28.00	\$9.45
		Total Bid Price for Base Bid / ft²	\$50.00	\$17.95

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ALTERNATE BID ITEMS

			G&B Construction Grp Inc 632 Davisville Rd. Willow Grove, PA 19090	JFI Concrete 18 Steel Rd. W Morrisville, PA 19067
Item	Unit	Description	Unit Bid Amount	Unit Bid Amount
3	Linear ft	Saw cut as required, furnish and install concrete curb and restore the site as specified in these contract documents.	\$120.00	\$22.00
4	ft²	Saw cut as required, furnish and install concrete handicap ramp with cast in place truncated dome grid surface and restore the site as specified in these contract documents.	\$35.00	\$27.50
5	ft²	Saw cut as required, furnish and install concrete handicap ramp without cast in place truncated dome grid surface and restore the site as specified in these contract documents.	\$30.00	\$8.50
6	ft²	Saw cut as required, reconstruct bituminous concrete driveway, remove existing damaged bituminous concrete as required or as directed by Owner, stabilize sub base, install 2A modified stone, install 2' ID-2 Binder and 1 ½' ID-2 Wearing Course including joint seal cleaning and disposal of material as specified in these contract documents.	\$20.00	\$9.85
		Total of alternate bid items	\$205.00	\$67.85

Motion

Mrs. Murphy made a motion, seconded by Mrs. Hammar, to award Contract WWTP-409 to John Feher Concrete Construction, LLC., as presented in the attached Table for all six (6) bid items.

Roll Call on the Motion

Mr. Sidoti Aye Mrs. Murphy Aye Mr. Chase Aye Mrs. Hammar Aye

^{*}Mr. Glasson had to step away from the meeting to take a phone call Motion carried 4 Aye Votes

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Contract No. WWTP-410: Furnish and Supply Polymers for Sludge Thickening and Dewatering At The Water & Wastewater Treatment Plants

Bid proposals were received on February 20, 2020 for the above referenced Contract. A tabulation of the bid results is presented in the table below:

There were two (2) bidders who submitted bid proposals. As per the requirements of the specifications, the contractors/bidders will be notified to schedule and conduct a plant scale testing to demonstrate the application of the proposed products in terms of performance and cost effectiveness. Based on the results of the above plant scale testing, the lowest responsible bidder will be determined and presented to the Board for contract award consideration.

	BID AMOUNT				
	ITEM NO 1	ITEM NO 2	ITEM NO 3	ITEM NO 4	
Contractor Name, Address, Phone, Fax Number	Emulsion Grade Polymer for Centrifuge Sludge Dewatering	Dry Polymer for Sludge Thickening Using Dissolved Air Flotation	Liquid Polymers for Flocculation of Biological Flocs	Dry Polymers for Filter Press Dewatering of WTP Sludge	
George S. Coyne Chemical Co., Inc. 3015 State Road Croydon, PA 19021-6997 Ph: 215-785-3000 Fax: 215-785-1585	\$1.4346 / lb. \$ 12.3085 / gal \$ 143.4555 / CWT	\$ 2.2256 / lb. \$ 222.5637 / CWT	\$ 1.4802 / lb. \$ 12.7003 / gal \$ 148.0222 / CWT	\$ 1.9145 / lb. \$ 191.4625 / CWT	
Polydyne Inc. One Chemical Plant Road Riceboro, GA 31323 Ph: 800-848-7659 Fax: 912-880-2078	\$ 1.0890 / lb. \$ 9.3650 /gal \$ 108.90 / CWT	\$ 1.750 / lb. \$ 175.00 / CWT	\$ 1.0890 / lb. \$ 9.3650 / gal \$ 108.90 / CWT	\$ 1.60 / lb. \$ 160.00 / CWT	

Contract No. WWTP-411: Furnish & Provide Services for Replacement of Existing Water Mains

Bids were received and opened on February 20, 2020 for the above contract. This contract is providing services for the replacement of existing water mains. Under this contract, the Contractor assists the Authority's Field Department in the water main rehabilitation/maintenance and replacement program. A tabulation of the bid results is presented in the Table listed below.

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As can be seen from the bid results, K.E. Seifert Inc., was the only bidder for this contract. They are the current contractor and have been providing services for the replacement of existing water mains for the last four (4) years. Their services have been very satisfactory, and they have been working well with our Field Crew. Based on our review of the bid proposals, qualifications and technical specifications, it is recommended awarding the above contract to K.E. Seifert Inc., located at 155 N. Green Street, Langhorne, Pennsylvania for the unit base bid prices presented in the bid tabulation. The duration of this Contract is one (1) year.

*MOTION NEEDED

TABLE 3: CONTRACT NO. WWTP-411Furnish and Provide Services for Replacement of Existing Water Mains			K.E. Seifert Inc. 155 N. Green St. Langhorne, PA
Item No.	Unit	Description	Unit Bid Price
1	Linear Ft	Furnish qualified labor & equipment as specified in these contract documents to excavate, remove existing 6-inch water main & replace with new 6-inch ductile iron pipe including all required fittings & joints to connect to the newly installed ductile iron pipe	\$ <u>33.58</u> ft
2	Linear Ft	Furnish qualified labor & equipment as specified in these contract documents to excavate, remove existing 8-inch water main & replace with new 8-inch ductile iron pipe including all required fittings & joints to connect to the newly installed ductile iron pipe	\$ <u>33.58</u> ft
3	Linear Ft	Furnish qualified labor & equipment as specified in these contract documents to excavate, remove existing 12-inch water main & replace with new 12- inch ductile iron pipe including all required fittings & joints to connect to the newly installed ductile iron pipe	\$ <u>40.15</u> ft
4	Linear Ft	Furnish qualified labor & equipment as specified in these contract documents to excavate, remove existing 16-inch water main & replace with new 16-inch ductile iron pipe including all required fittings & joints to connect to the newly installed ductile iron pipe	\$ <u>59.40</u> ft
5	Linear Ft	Furnish qualified labor & equipment as specified in these contract documents to excavate, remove existing 20-inch water main & replace with new 20-inch ductile iron pipe including all required fittings & joints to connect to the newly installed ductile iron pipe	\$ <u>74.80</u> ft
6	Linear Ft	Furnish qualified labor & equipment as specified in these contract documents to excavate, remove existing 6-inch water main & replace with new 6-inch ductile iron pipe including all required fittings & joints to connect to the newly installed ductile iron pipe & backfill trench	\$ <u>56.10</u> ft
7	Linear Ft	Furnish qualified labor & equipment as specified in these contract documents to excavate, remove existing 8-inch water main & replace with new 8-inch ductile iron pipe including all required fittings & joints to connect to the newly installed ductile iron pipe & backfill trench	\$ <u>56.10</u> ft

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	TABLE 3	8: CONTRACT NO. WWTP-411Furnish and Provide Services for Replacement of Existing Water Mains	K.E. Seifert Inc. 155 N. Green St. Langhorne, PA
Item No.	Unit	Description	Unit Bid Price
8	Linear Ft	Furnish qualified labor & equipment as specified in these contract documents to excavate, remove existing 12-inch water main & replace with new 12-inch ductile iron pipe including all required fittings & joints to connect to the newly installed ductile iron pipe & backfill trench	\$ <u>67.10</u> ft
9	Linear Ft	Furnish qualified labor & equipment as specified in these contract documents to excavate, remove existing 16-inch water main & replace with new 16-inch ductile iron pipe including all required fittings & joints to connect to the newly installed ductile iron pipe & backfill trench	\$ <u>100.10</u> ft
10	Linear Ft	Furnish qualified labor and equipment as specified in these contract documents to excavate, remove existing 20-inch water main and replace with new 20-inch ductile iron pipe including all required fittings and joints to connect to the newly installed ductile iron pipe and backfill trench	\$ <u>121.00</u> ft
11	Each	Furnish qualified labor and equipment to cut and install tees and valves on 6- inch & 8-inch water main	\$ <u>5,452.00</u>
12	Each	Furnish qualified labor and equipment to cut and install tees and valves on 10 -inch & 12-inch water main	\$ <u>5,452.00</u>
13	Each	Furnish qualified labor and equipment to cut and install hydrants on 6-inch & 8-inch water main	\$_2,700.00
14	Each	Furnish qualified labor and equipment to cut and install hydrants on 10-inch & 12-inch water main	\$ <u>5,452.00</u>
15	Each	Furnish qualified labor and equipment to reconnect existing water service lines on 6-inch & 8- inch water main	\$ <u>137.50</u>
16	Each	Furnish qualified labor and equipment to reconnect existing water service lines on 10-inch & 12- inch water main	\$ <u>137.50</u>
17	Lump Sum	Stated allowance for additional work over and above that required by the contract documents only as authorized by the Owner in writing and not to exceed. (If no extra work is authorized, no payment will be made under this item.)	\$10,000.00
	\$19,972.10*		

*Note: Total Base Bid should be \$19,972.91 - adding error

Motion

Mr. Sidoti made a motion, seconded by Mrs. Murphy, to award Contract No. WWTP-411 to K.E. Seifert Inc., (existing Contractor) for the unit base bid prices presented in the bid tabulation.

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Roll Call on the Motion

Mr. Sidoti Aye
Mrs. Murphy Aye
Mr. Chase Aye
Mr. Glasson Aye
Mrs. Hammar Aye
Motion carried unanimously

Combined Filter Effluent Turbidity & Filter Backwashing Procedure at The Water Treatment Plant

The Authority has been working with the PADEP in developing a sampling location plan for the Combined Filter Effluent Turbidity Monitoring. This sampling location needs to be prior to clear well and prior to introduction of any post filtration chemical feed including post chlorination. We met with PADEP and discussed available alternative options. We have submitted a plan involving a small pump and turbidity meter to PADEP for their review. We also discussed filter back washing procedure and Standard Operating Procedures. In order to comply with PADEP requirements connect to the filter back washing/rewashing (filter to waste) and Turbidity, we need to integrate filter back washing and filter rewashing with the SCADA system so there is consistent filter back washing is done, and filter(s) placed in operation/cycle only when filter rewash turbidity is below the required set points. In this respect, we are in a process of purchasing the required Electronics/Control Logix as manufactured by Allen Bradley and supplied by Rumsey Company to complete integration with the existing SCADA System. These parts/items are proprietary/special and compatible with the existing Allen Bradley electronics. Total cost of the electronic items is \$46,364.

Motion

Mr. Glasson made a motion, seconded by Mrs. Murphy, granting approval to Dr. Rajput to proceed with the purchase of the required Electronics/Control Logix to complete integration with the existing SCADA System.

Roll Call on the Motion

Mr. Sidoti Aye
Mrs. Murphy Aye
Mr. Chase Aye
Mr. Glasson Aye
Mrs. Hammar Aye
Motion carried unanimously

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FOR INFORMATION

Electric Supply Agreement

The Authority has locked in the electric supply price and executed the agreement with Constellation NewEnergy, Inc. The price is \$0.03897/kWh. The duration of the agreement is two (2) year which will run from January 6, 2020 to January 5, 2022. This price is lower than the existing agreement price of \$0.04630/kWh. Based on the price of \$0.03997/kWh, the Authority could realize a saving of approximately \$74,886/year or approximately \$149,771 during the two-year agreement duration based on the 2019 annual electricity usage of approximately 10,216,309 kWh.

2020 Capital Improvement Budget

Dr. Rajput is asking the Board for adoption consideration for the 2020 Capital Improvement Budget as presented.

Motion

Mrs. Murphy made a motion, seconded by Mr. Glasson, to adopt the 2020 Capital Improvement Budget as presented.

Roll Call on the Motion

Mr. Sidoti Aye
Mrs. Murphy Aye
Mr. Chase Aye
Mr. Glasson Aye
Mrs. Hammar Aye
Motion carried unanimously

Smoke Free Workplace Policy

Dr. Rajput is requesting Board approval for the implementation of the revised Smoke Free Workplace Policy as discussed previously. The adopted policy will read: Smoke & Vape Free Workplace Policy and it will include Smoking, and Vaping are only to be done during breaks and or lunch and only in the designated areas.

Motion

Mr. Sidoti made a motion, seconded by Mrs. Murphy, to adopt the Smoke & Vape Free Workplace Policy with the addition that Smoking, and Vaping are only to be done during breaks and or lunch and only in the designated areas.

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Roll Call on the Motion

Mr. Sidoti Aye
Mrs. Murphy Aye
Mr. Chase Aye
Mr. Glasson Aye
Mrs. Hammar Aye
Motion carried unanimously

Annual Effluent Monitoring Report for the Water Treatment Plant To DRBC

Per requirements of the NPDES permit and DRBC's docket, the Authority has completed and summitted the annual Effluent Monitoring Report for our Wastewater System to the DRBC.

Annual Effluent Monitoring Report for The Wastewater Treatment Plant to DRBC

Per requirements of the NPDES permit and DRBC's docket, the Authority has completed and summitted the annual Effluent Monitoring Report for our Wastewater System to the DRBC.

Annual Biosolids Report (Sludge DMR) to USEPA - Wastewater Treatment Plant

The Authority completed and submitted the required Annual Bio Solids Report (Sludge DMR) for the reporting year of 2019 for our Wastewater Treatment Plant to the USEPA.

Annual Tier II Report for The Wastewater Treatment Plant

The Authority has completed and submitted the required Tier 11 Report for the reporting year of 2019 for the Wastewater Treatment Plant.

Annual Wasteload Management Report (Chapter 94 Report)

The Authority is continuing preparation of the required Annual Chapter 94 Report for the reporting year of 2019. This report is due by March 31, 2020.

Pretreatment Annual Report

The Authority has started preparing the required Pretreatment Program Annual Report for the reporting year of 2019. This report is due by March 31, 2020.

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Annual Water Audit Report - Delaware River Basin Commission (DRBC)

As per the requirements of the DRBC, the Authority has started performing the required annual water audit of our water system for the reporting year of 2019. The completed water audit report will be submitted electronically to DRBC as per their requirements. This report is due by March 31, 2020.

<u>Looping the Existing Water Main on Dolphin Road To The Existing Water main On</u> Snowball Drive

The Authority is continuing to work on this project involving PENN DOT permitting, installation details and scheduling with AmeriDrill, Inc. for the horizontal directional drilling (weather permitting).

Contract WWTP-401: Replacement of Existing Chlorination System with Ultraviolet (UV) Disinfection System at The Wastewater Treatment Plant - Capital Improvement Project

The Authority is continuing to review and prepare technical specifications and contract bidding documents for the purchase and installation of the UV Disinfection System for the replacement of the existing Chlorine Disinfection System. This work is being done in-house.

Contract WWTP-407: Replacement of existing Bar Screen at The Wastewater Treatment Plant - Capital Improvement Project

The Authority is continuing to prepare technical specifications, contract bidding documents and engineering plans for the purchase and installation of two (2) fine screens (6mm) with two (2) washing compactors for the replacement of the old existing bar screens and compactor. This work is being done in-house.

<u>Contract WWTP-392: Installation OF Cured-In-Place Sanitary Sewer Lining in Various</u> <u>Locations - Phase VI</u>

A contract progress meeting was held on February 11, 2020 to discuss the progress of the contract, repair work, liner thickness compliance, and contract schedule. The contract is currently placed on hold as IPR is re-evaluating their lining process and materials. The Authority's Field Department has already completed 17 spot repairs to the sanitary sewer mains.

Project WWTP-190: Wastewater Treatment Plant SCADA System Upgrade

The Authority is continuing the required ongoing upgrade/retrofit of the existing PLCs and SCADA System at the Wastewater Treatment Plant. We have already received the required VFDs and PLCs to replace the existing VFDs and PLCs for the Return Activated and Waste Activated Sludge System.

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Wastewater Plant Laboratory

PADEP Bureau of Laboratory will be conducting their inspection (Chapter 254 Assessment) of our Wastewater Treatment Plant Laboratory on March 27th. Generally, this inspection is conducted once every three years.

<u>Emergency Cleaning of Flow Equalization Tanks at The Wastewater Treatment Plant - Repair of Aeration Piping</u>

This work should be completed by the Contractor, February 28, 2020. The Authority has already ordered the air diffuser and pipe collars to repair the existing air distribution system. The repair work will be completed in-house by Plant Mechanics.

Water and Wastewater Systems

The average daily drinking water supplied for the month of January 2020 was approximately 6.15 MGD. The monthly average effluent flow from the Wastewater Treatment Plant for the month of December 2019 was approximately 8.30 MGD.

Solicitor's Report - James A. Downey, III, Esquire

Mr. Downey reported that an Executive Session was held from approximately 6:30 P.M. to 7:00 P.M. during which time litigation and personnel matters were discussed.

Litigation

Case #2056-2016 - indexed in the Bucks County Court of Common Pleas.

Mr. Downey is requesting a motion from the Board for the renewal of a Five (5) year contract with Dr. Vijay S. Rajput for the position of Managing Director for the Authority. His current contract is up February 27, 2020.

Motion

Mr. Sidoti made a motion, seconded by Mr. Glasson, to extend Dr. Rajput's contract for the position of Managing Director for the Authority. This contract will run from 2020 to 2025.

Roll Call on the Motion

Mr. Sidoti Aye
Mrs. Murphy Aye
Mr. Chase Aye
Mr. Glasson Aye
Mrs. Hammar Aye
Motion carried unanimously

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Finance Manager's Report

	Mrs. Dunn that everything is going well. The Water Plant now has most of the employees
back.	

Old Business

There was no Old Business brought before the Board

New Business

There was no New Business brought before the Board

Public Participation

There was no Public Participation.

<u>Adjournment</u>

Mr. Sidoti made a motion, seconded by Mr. Glasson, to adjourn the Board meeting at 7:50 P.M.

Motion carried unanimously.

Respectfully submitted by:	
Cunthia Mumbu	- ,ÿ
Cynthia Murphy	
Secretary	

CM/dm DPM0051