

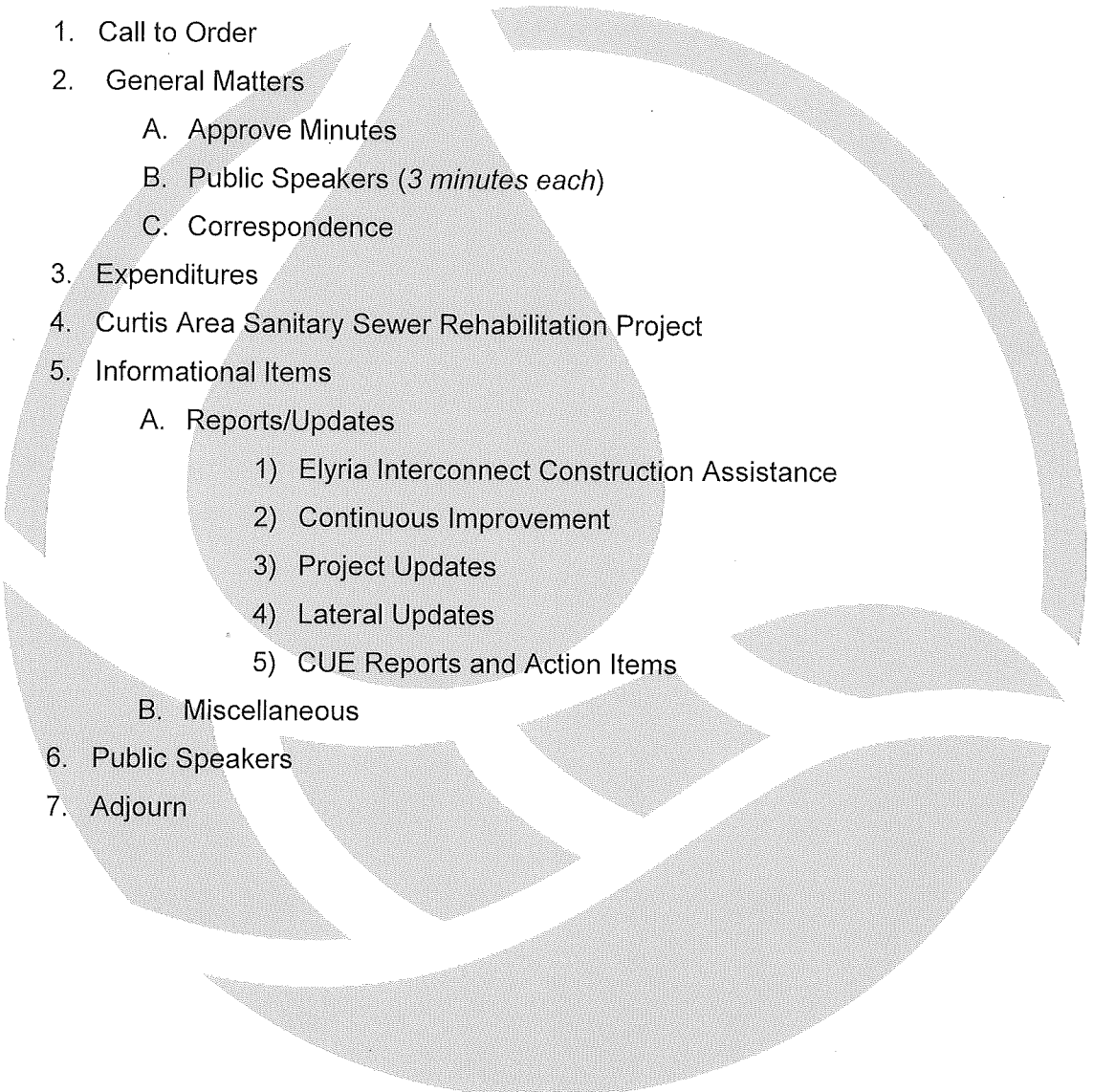
Avon Lake Board of Municipal Utilities

**AGENDA**

For

**Tuesday**

**April 3, 2018 6:30 PM**

- 
1. Call to Order
  2. General Matters
    - A. Approve Minutes
    - B. Public Speakers (*3 minutes each*)
    - C. Correspondence
  3. Expenditures
  4. Curtis Area Sanitary Sewer Rehabilitation Project
  5. Informational Items
    - A. Reports/Updates
      - 1) Elyria Interconnect Construction Assistance
      - 2) Continuous Improvement
      - 3) Project Updates
      - 4) Lateral Updates
      - 5) CUE Reports and Action Items
    - B. Miscellaneous
  6. Public Speakers
  7. Adjourn

Avon Lake Regional Water  
**MEMORANDUM**

To: **Board of Municipal Utilities**

From: **Todd Danielson & Rob Munro**

Subject: **Agenda Items – April 3, 2018**

Date: **March 29, 2018**

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As a reminder, the CUE will not be at the April 3, 2018, meeting, and the CUO will serve as the Acting Clerk.

**Item 4: Curtis Area Sanitary Sewer Rehabilitation Project - RKM**

Bids were opened on March 29, 2018, for the Curtis Area Sanitary Sewer Rehabilitation Project. This is a project that will rehabilitate the sanitary sewer system, water main, storm sewer system and road base on Curtis Road between Redwood and Lake Roads. There was one plan holder, and one bid received from Underground Utilities, Inc. in the amount of \$1,857,352.00, which was approximately 11% below the engineer's estimate. The cost breakdown is approximately 70% Avon Lake Regional Water and 30% City of Avon Lake.

This project helps to satisfy a component of the Board's "Water Quality Enhancement" initiative for "Sanitary surcharge abatement" and the "Water Supply Resilience & Reliability" initiative for "Water line replacement." The Principles that would help guide the Board are:

- ◆ Maintain existing assets, while investing in infrastructure that will take us into the future.
- ◆ Exercise fiduciary responsibility.

*Recommended motion:*

*I move that the low bid of \$1,857,352.00 by Underground Utilities, Inc. be approved for the Curtis Area Sanitary Sewer Rehabilitation Project and the CUE be authorized up to an additional 5% for items such as out-of-scope work with UUI.*

*Additionally, I move to authorize the CUE to complete the requirements necessary to apply for financing through the Water Pollution Control Revolving Loan Fund and execute all loan documents for the Curtis Area Sanitary Sewer Rehabilitation Project and designate user fees and revenues as the repayment source.*

**Item 5A1: Elyria Interconnect Construction Assistance - RKM**

At the last meeting, the Board authorized the CUE approximately \$187,000 for interconnect-related items outside of the scope of Engineering Fluid, Inc. Under this amount, the CUE will execute an agreement on behalf of the Board for Construction Administration of this project by Burgess & Niple. Staff is currently negotiating the final scope and budget, which may be as much as approximately 5% of the construction cost (<\$100,000). Staff currently has limited capacity to administer the project internally and is working to determine the appropriate level of oversight internally v. externally through Burgess & Niple.

**Item 5A2: Continuous Improvement – RKM/TAD**

The general staff training/development is proceeding well. On Wednesday, March 28, Tri-C conducted a Process Mapping training class that introduced the organization to the concept. In May, we will specifically create maps for one process in each department. Prior to that, in April, staff training will include creating SOPs and delivering great customer service.

Now that staff readiness has reached a level for the process to take hold, the CUO and CUE met with LCCC on March 27 regarding the next steps in the Continuous Improvement process. This will include much deeper training and teambuilding for the organization's leadership so that they can help implement it across the organization.

**Item 5A3: Project Updates – RKM**

*Wastewater Plant:* The new headworks is in service and operational. SCADA work and training is ongoing. Reconditioned Primary Tank #1 and Final Clarifier #1 are complete and in service. Primary Tank #3 was taken out of service for rehabilitation. The new grit removal system is scheduled for start-up the week of April 1, 2018.

*SIP:* Additional cost proposals are being solicited for the tower lighting and project closeout documents are being finalized.

**Item 5A4: Lateral Updates – TAD**

The lateral separation program continues to progress. As of March 28, 2018, letters have been sent to 3,036 residents indicating that they may have clean water entering their sanitary lateral and requesting Avon Lake Regional Water be contacted to determine whether this may be the case. To date, 2,828 (93%) have responded (up 31 since 3/16/18). Of the 2,828, 2,245 either have separated laterals or already had removed clean water sources and 583 either have problems or are believed to have problems. By extrapolation, approximately 725 (587 + ~67% of homes not inspected) may need to remove clean water sources.

As of March 28, 2018, 81 of the homeowners with the November 30, 2018, deadline have yet to respond and have their free inspection. It is anticipated, approximately 50 of these homes will need to address clean water in their sanitary lateral, along with the 251 homes we know have clean water entering the sanitary lateral. Therefore, about 300 need to do some work to comply with the first deadline. Additionally, all Resolution of Necessity Letters have been sent, and staff is preparing to follow that up with door hangers within a few weeks.

The total executed Lateral Loan Program agreements are now at 274 (up 3 since March 16, 2018), with \$945,105 committed and \$535,905 paid to contractors. The average loan request is for approximately \$3,450.

**Item 5A5: CUE Report and Action Items – TAD**

On March 26, 2018, the CUE in his role as Chair of the OAWWA Water Utility Council presented testimony to the Ohio legislature's Joint Committee on Agency Regulatory Review (JCARR) opposing a specific part of the Lead & Copper Regulation that was being filed to become law. The objectionable part is a requirement that utilities must offer lead-removing filters to customers during construction within an area that may have lead service lines. This new

regulation that will take effect October 1, 2018, will increase project costs, and there is insufficient research available showing any increased risk (and, hence, the need for filters) for customers who are in the construction area and do not have lead service lines.

Within the past few weeks, the CUE has spoken both with Senator Gayle Manning and Representative Nathan Manning and is in the process of scheduling tours of our facilities for them. The CUE will update the Board as they are scheduled.

As a reminder, during the third week of April, the CUE will be part of a team of six from Ohio attending the Water Matters Fly-In. The CUE has already scheduled meetings with the offices of Senator Sherrod Brown, Representative Marcy Kaptur, and Representative Jim Renacci and is working to schedule meetings with Representatives Tim Ryan, Joyce Beatty, and Steve Stivers. AWWA will be paying travel accommodations for us to go to Washington, DC, to meet with Congressional representation on water-related matters such as funding the state revolving loan funds (through which we have recently borrowed approximately \$100 million).

Recently, Avon Lake Regional Water was approached by the U.S. Department of Energy to present and serve on a panel at the national Better Building Summit, a 1,000-person conference that will be held this summer in Cleveland on August 21 – 23. DOE learned about our “Utility of the Future Today” award in 2016 and asked us to speak about some of the work we are doing regarding energy efficiency, messaging, creating stakeholder buy-in, and future goals.

Below is an answer to a question asked by members:

*AWWA partnering fee:* Responding to the request for more information about this expense, the AWWA partnering fee is to become a member of The Partnership for Safe Water, which is part of our continuous improvement process. This is one of the programs recommended by our management consultant. It establishes a more-stringent standard of treatment at our drinking water facility and recognizes how well we achieve our goals.

Board of Municipal Utilities  
**Regular Meeting Minutes**  
March 20, 2018  
201 Miller Road  
Avon Lake, Ohio

***Call to Order – Roll Call***

The meeting was called to order at 6:32 PM.

Present: Mr. Abram, Mr. Dzwonczyk, Mrs. Schnabel and Mr. Phillips.

Excused: Mr. Rush

Also present: CUE Danielson, CUO Munro, Councilmember Fenderbosch and Building Official Carleton

***Approve Minutes***

Chairman Dzwonczyk presented the minutes of the March 6, 2018, regular meeting and with no changes, additions or corrections noted, ordered that the minutes stand and be distributed as presented.

***Public Speakers***

None.

***Correspondence***

None.

***Expenditures***

Following review of expenses dated March 20, 2018, for funds and amounts as follows, Mr. Phillips moved, Mrs. Schnabel seconded, that all be approved and paid per budget:

Water Fund 701	\$	214,351.49
Wastewater Fund 721	\$	170,516.85
MOR Fund 703	\$	1,750.25
MOR Fund 762	\$	16,992.57
LORCO Fund 749	\$	19,699.36
Lateral Loan Fund 765	\$	30,150.00

Ayes: Abram, Dzwonczyk, Schnabel and Phillips

Nays: None

Motion carried.

## **West Ridge Road Emergency Booster Station and Miller Road Interconnect Project**

Per CUE's meeting write-up and this evening's discussion, Mr. Abram moved, Mr. Phillips seconded to approve the submitted bid \$1,875,451.00 by Engineered Fluid, Inc. and the CUE be authorized up to an additional 10% for other project-related items, including out-of-scope work with Engineered Fluid, Inc.

Ayes: Abram, Dzwonczyk, Schnabel and Phillips  
Nays: None  
Motion carried.

Per CUE's meeting write-up and this evening's discussion, Mr. Phillips moved, Mrs. Schnabel seconded to approve the CUE to apply for financing through the Water supply Revolving Loan Account and designate user fees and revenues as the repayment source.

Ayes: Abram, Dzwonczyk, Schnabel and Phillips  
Nays: None  
Motion carried.

### **Wage Increase**

Per CUE's meeting write-up and this evening's discussion, Mr. Dzwonczyk moved, Mr. Phillips seconded to approve Steve Baytos' hourly wage increase to \$46.20 effective the next pay period.

Ayes: Abram, Dzwonczyk, Schnabel and Phillips  
Nays: None  
Motion carried.

### **Aqua Marine**

Per CUE's meeting write-up and this evening's discussion, Mrs. Schnabel moved, Mr. Abram seconded to request the Law Director's assistance resolving the matter of outstanding Trunk Sanitary Sewer Fees for the Aqua Marine project.

Ayes: Abram, Dzwonczyk, Schnabel and Phillips  
Nays: None  
Motion carried

### **Reports/Updates**

The following reports and updates were made by copy of the meeting's write-up and discussed as noted:

#### *Employee Anniversary*

Tim Roten is completing his one-year probationary period as a Laborer. Per the recommendation of his supervisor and concurrence of management, Mr. Roten will be promoted to Line Maintenance Man, Step 2 effective April 10, 2018.

### *Seasonal Help*

Per budget, up to 12 employees will be hired to assist with seasonal maintenance at the Avon Lake Regional Water facilities, painting hydrants with the Fire Department, and/or engineering/construction projects.

### *Energy Demand Management*

On behalf of the Board, the CUE has extended the EnerNOC energy demand management agreement for another five years. Since first signing an agreement with EnerNOC in 2012, we have received \$420,800 in Demand Response payments. We estimate in the next five years we will earn an additional \$300,000.

### *Extension of SIP Agreement*

On behalf of the Board, the CUE will execute an amendment to the MWH/Stantec design/construction services contract for the Storage Improvements Project. The amendment only extends the contract period (to June 29, 2018) so that Stantec may prepare the as-built drawings included in the original agreement.

### *Lead Sampling*

Due to the change of corrosion control, Avon Lake Regional Water and its bulk customers need to start the monitoring program over with 60 locations every six months. In order to help with collection of the samples, staff will implement a program similar to other jurisdictions where a small credit will be applied to a customer's bill for willingness to take part in the program and collect a sample when required.

### *Communications*

Since the March 6<sup>th</sup> Board meeting, the *Morning Journal* had a piece about the Council's vote.

### *Project Updates*

- *Wastewater Plant:* The new influent pumping station and headworks are operational, and staff is working through punchlist items with the contractor.
- *SIP:* Additional cost proposals are being solicited for the tower lighting and project closeout documents are being finalized.
- *Curtis Sewer Rehabilitation:* The project is currently being advertised for bidding, with bid documents scheduled to be opened on March 29, 2018. We intend to request award at the April 2, 2018 meeting. The Ohio EPA loan application should be submitted within a week.

### *Lateral Updates*

Sewer lateral separation and loan program numbers were updated by this meeting's write-up.

### *CUE Report and Action Items*

On March 8, 2018, the CUE, co-presented with the Assistant Chief of Ohio EPA's Office of Financial Assistance regarding our lateral loan program at Ohio's One Water Government Affairs & Regulatory Workshop. Following the presentation, the Ohio Water Environment Association asked if we would prepare an article for their quarterly magazine.

On March 15, 2018, the CUE attended a Town Hall hosted by State Senator Gayle Manning. Following the Town Hall, the CUE spoke with the Senator and offered to serve as a resource for water-related issues.

**Avon Lake Regional Water  
WATER FUND 701 EXPENSES**

April 3, 2018

Name	Amount	Memo	Account
1 Water Employees	\$ 74,563.74	Salaries P/R #7.030518-031818	701.180.000-51102-Salaries
2 Water Employees	\$ 2,207.01	PartTime P/R #7.030518-031818	701.180.000-51105-PartTime
3 Water Employees	\$ 1,874.56	OT-Plant P/R #7.030518-031818	701.180.000-51106.101-OT Plant
4 Water Employees	\$ 1,165.84	OT-Distrib P/R #7.030518-031818	701.180.000-51106.102-OT Dist
5 Water Employees	\$ 3,240.83	OT-Admin P/R #7.030518-031818	701.180.000-51106.103-OT Admin
6 Water Employees	\$ 1,174.50	OT-Const P/R #7.030518-031818	701.180.000-51106.104-OT Constr
7 Water Employees	\$ 165.90	OT-Office P/R #7.030518-031818	701.180.000-51106.105-OT-Office
8 Water Employees	\$ 17,412.50	SafetyShoes,Clothing Allowance	701.180.000-52126-ClothingAllow
9 Medical Mutual	\$ 30,018.09	Medical Mutual-April 2018	701.180.000-52203-Hospital
10 Lincoln National Insurance	\$ 247.63	Group Life for April 2018	701.180.000-52204 Group Life
11 Randall's Team Shop	\$ 264.25	1/2-Employee Clothing(Ackerman&Knick)-RK	701.180.000-52226-Clothing
12 Randall's Team Shop	\$ 199.25	1/2-Employee Clothing (G.Caruso)-JRG	701.180.000-52226-Clothing
13 Caruso, George	\$ 60.00	6 Employee Meal Allowances-LS	701.180.000-52227-Meal Allow
14 Ester, Les	\$ 10.00	1 Employee Meal Allowance-LS	701.180.000-52227-Meal Allow
15 Neofunds by Neopost	\$ 597.25	1/2-Postage & Supplies for Meter-RKM	701.180.000-53602-Office Supply
16 Staples Advantage	\$ 105.15	1/2-Office Supplies-LS	701.180.000-53602-Office Supply
17 W.B.Mason Co., Inc.	\$ 232.56	1/2-Office Supplies-MW/LS	701.180.000-53602-Office Supply
18 Fuelman	\$ 524.92	1/2-Fuel for Vehicles.031218-032518-LS	701.180.000-53604-Gasoline/Oil
19 Avon Lake Sheet Metal	\$ 449.82	Equipment Maintenance-GY	701.180.000-53607-Equip Maint
20 Gerber Machine Tool Inc.	\$ 860.00	Modify Stainless Steel Basket-GY	701.180.000-53607-Equip Maint
21 USALCO	\$ 10,177.92	74.40 Tons Alum-GY	701.180.000-53611-Op.Supplies
22 ABC Equipment	\$ 420.47	1/2-Maintenance Supplies-RK	701.180.000-53612.001-Plants
23 Grainger	\$ 10.72	Maintenance Supplies-RK	701.180.000-53612.001-Plants
24 Titan Supply Company	\$ 1,057.50	1/2-Maintenance Supplies-RK	701.180.000-53612.001-Plants
25 Harold Archer & Sons, Inc.	\$ 472.95	1/2-50.18 Tons Stone-RK	701.180.000-53612.002-Lines
26 Hach Company	\$ 1,735.58	Lab Supplies@Water Plant-GY	701.180.000-53613-Lab Supplies
27 Area Temps	\$ 240.00	Temp Office Help-Week Ending 031118-RKM	701.180.000-53701.002-Other
28 Area Temps	\$ 1,200.00	Temp Office Help-Week Ending 031818-RKM	701.180.000-53701.002-Other
29 The University of Akron	\$ 5,150.19	Graduate Assistant Prog.120117-022818-TAD	701.180.000-53701.002-Other
30 U.S. Bank Equipment Finance	\$ 565.45	1/2-Lease Pmt-2 Ricoh Copiers-RKM	701.180.000-53701.002-Other
31 Sonesta ES Suites Westlake	\$ 1,125.00	Housing Allow.-R.Munro.031818-041818-TAD	701.180.000-53701.002-Other
32 Illuminating Company	\$ 4,515.36	Elect@SIP Bldg.021018-031218-GY	701.180.000-53703.002-Bldgs
33 Illuminating Company	\$ 523.22	Elect@SIP P.S.021018-031218-GY	701.180.000-53703.002-Bldgs
34 Illuminating Company	\$ 2,063.55	Elect@33660Walker.021418-031318-GY	701.180.000-53703.002-Bldgs
35 Illuminating Company	\$ 594.19	Elect@201Miller.021318-031318-TAD	701.180.000-53703.002-Bldgs
36 Spectrum Business	\$ 135.00	1/2-Internet Svc@201Miller.031418-041318-RKM	701.180.000-53705-Communication
37 Sylvester Truck & Tire Service	\$ 294.84	1/2-New Tires for Truck-RK	701.180.000-53707-Mobile Maint
38 Jani-King of Cleveland	\$ 322.50	1/2-Cleaning Svc@201Miller for April 2018-RKM	701.180.000-53708-Bldg Maint
	<b><u>\$ 165,978.24</u></b>		



**Avon Lake Regional Water**  
**WASTEWATER FUND 721 EXPENSES**

April 3, 2018

Name	Amount	Memo	Account
1 Wastewater Employees	\$ 38,537.60	Salaries P/R #7.030518-031818	721.190.000-51102-Salaries
2 Wastewater Employees	\$ 5,168.00	PartTime P/R #7.030518-031818	721.190.000-51105-PartTime
3 Wastewater Employees	\$ 3,660.85	OT-Plant P/R #7.030518-031818	721.190.000-51106.101-OT Plant
4 Wastewater Employees	\$ 902.10	OT-Distrib P/R #7.030518-031818	721.190.000-51106.102-OT Distr
5 Wastewater Employees	\$ 336.08	OT-Admin P/R #7.030518-031818	721.190.000-51106.103-OT Admin
6 Wastewater Employees	\$ 1,217.30	OT-Const P/R #7.030518-031818	721.190.000-51106.104-OT Constr
7 Wastewater Employees	\$ 13,787.50	SafetyShoe/Clothing Allowance	721.190.000-52126-ClothingAllow
8 Medical Mutual	\$ 19,023.93	Medical Mutual-April 2018	721.190.000-52203-Hospital
9 Lincoln National Insurance	\$ 158.48	Group Life for April 2018	721.190.000-52204-Group Life
10 Randall's Team Shop	\$ 264.25	1/2-Employee Clothing(Ackerman&Knick)-RK	721.190.000-52226-Clothing
11 Randall's Team Shop	\$ 199.25	1/2-Employee Clothing (G.Caruso)-JRG	721.190.000-52226-Clothing
12 Dillon, Timothy	\$ 10.00	1 Employee Meal Allowance-LS	721.190.000-52227-Meal Allow
13 Fischer, Will	\$ 80.00	8 Employee Meal Allowances-LS	721.190.000-52227-Meal Allow
14 Sadowski, Dale	\$ 30.00	3 Employee Meal Allowances-LS	721.190.000-52227-Meal Allow
15 Spinks, Joshua	\$ 20.00	2 Employee Meal Allowances-LS	721.190.000-52227-Meal Allow
16 Op.Training Committee of Ohio	\$ 175.00	Distant Learning Class for J.Tomsik-SB	721.190.000-53500-Training
17 Walters Environmental Consulting	\$ 195.00	RegistrationFee for T.Fike-SB	721.190.000-53500-Training
18 Neofunds by Neopost	\$ 597.24	1/2-Postage & Supplies for Meter-RKM	721.190.000-53602-Office Supply
19 Staples Advantage	\$ 105.16	1/2-Office Supplies-LS	721.190.000-53602-Office Supply
20 W.B.Mason Co., Inc.	\$ 232.55	1/2-Office Supplies-MW/LS	721.190.000-53602-Office Supply
21 Fuelman	\$ 524.92	1/2-Fuel for Vehicles.031218-032518-LS	721.190.000-53604-Gasoline/Oil
22 Seagate Control System	\$ 1,728.62	Equipment Maintenance (Littlefuse MP8000)-SB	721.190.000-53607-Equip Maint
23 ABC Equipment	\$ 420.47	1/2-Maintenance Supplies-RK	721.190.000-53612.001-Plants
24 Grainger	\$ 64.67	Maintenance Supplies-RK/SB	721.190.000-53612.001-Plants
25 McMaster-Carr Supply	\$ 54.00	Maintenance Supplies (PVC Pipe Fittings)-SB	721.190.000-53612.001-Plants
26 Titan Supply Company	\$ 1,057.50	1/2-Maintenance Supplies-RK	721.190.000-53612.001-Plants
27 United Laboratories	\$ 546.16	Maintenance Supplies-SB	721.190.000-53612.001-Plants
28 Harold Archer & Sons, Inc.	\$ 472.95	1/2-50.18 Tons Stone-RK	721.190.000-53612.002-Lines
29 Hach Company	\$ 940.11	Lab Supplies for WPCC-SB	721.190.000-53613-Lab Supplies
30 Idexx Laboratories	\$ 1,008.25	Lab Supplies for WPCC-SB	721.190.000-53613-Lab Supplies
31 North Coast Environmental Labs	\$ 39.00	Lab Samples-SB	721.190.000-53613-Lab Supplies
32 U.S. Bank Equipment Finance	\$ 565.44	1/2-Lease Pmt-2 Ricoh Copiers-RKM	721.190.000-53701.001-Lease
33 Chronicle Telegram	\$ 1,624.39	Ad for Bids for Curtis Project-JRG	721.190.000-53701.002-Other
34 Great Lakes Pipeline Services	\$ 1,850.00	CCTV Inspect-Stop 45 Project-JRG	721.190.000-53701.002-Other
35 Williams Scotsman, Inc.	\$ 141.60	Container Rental.032118-042018-SB	721.190.000-53701.002-Other
36 Duraclean Restoration	\$ 975.33	Cleaning Service@128 Brookfield-RKM	721.190.000-53701.002-Other
37 Sonesta ES Suites Westlake	\$ 375.00	Housing Allowance-R.Munro.031818-041818-TAD	721.190.000-53701.002-Other
38 Republic Services	\$ 24,027.26	Sludge Disposal for Feb. 2018-SB	721.190.000-53701.007-Sludge
39 Columbia Gas of Ohio	\$ 28.25	Gas Svc@32789 Lake.021918-032018-RK	721.190.000-53702.003-PumpSta
40 Illuminating Company	\$ 3,914.87	Elect@32789Lake.021118-031218-RK	721.190.000-53703.003-PumpSta
41 Illuminating Company	\$ 62.04	Elect@810AvonBeldenSwMtr.021118-031218-RK	721.190.000-53703.004-Other
42 Spectrum Business	\$ 134.99	1/2-Internet Svc@201Miller.031418-041318-RKM	721.190.000-53705-Communication
43 Sylvester Truck & Tire Service	\$ 294.84	1/2-New Tires for Truck-RK	721.190.000-53707-Mobile Maint
44 Jani-King of Cleveland	\$ 322.50	1/2-Cleaning Svc@201Miller for April 2018-RKM	721.190.000-53708-Bldg Maint
45 Brown & Caldwell	\$ 5,350.96	Collection System Eval.012618-022218-RKM	721.190.000-53806-Eng.Fees
	<b><u>\$ 131,224.41</u></b>		

03/29/18

Avon Lake Regional Water  
MOR FUND 703 EXPENSES

April 3, 2018

<u>Name</u>	<u>Amount</u>	<u>Memo</u>	<u>Account</u>
1 Op.Training Committee of Ohio	\$ 2,566.67	GIS/GPS Service for ETL1-JRG	703.180.000-53701.002
2 Illuminating Company	\$ 9,125.73	Elect Svc@Moore P.S.021318-031318-TAD	703.180.000-53703.003-Electric
	<u>\$ 11,692.40</u>		

03/29/18

Avon Lake Regional Water  
MOR FUND 762 EXPENSES

April 3, 2018

Name	Amount	Memo	Account
1 Op.Training Committee of Ohio	\$ 2,566.67	GIS/GPS Service for ETL2-JRG	762.180.000-53701.002-Contr Svc
2 Illuminating Company	\$ 3,224.04	ElectSvc@Moore P.S.021318-031318-TAD	762.180.000-53703.003-PumpSta
3 Illuminating Company	\$ 151.91	ElectSvc@Detroit PRV.021418-031418-TAD	762.180.000-53703.004-Other
	<u>\$ 5,942.62</u>		

Avon Lake Regional Water  
**LORCO FUND 749 EXPENSES**

April 3, 2018

<u>Name</u>	<u>Amount</u>	<u>Memo</u>	<u>Account</u>
1 Op. Training Committee of Ohio	\$ 2,566.66	GIS/GPS Service for LORCO-JRG	749.190.000-53701.002-Other
2 Illuminating Company	\$ 62.31	ElectSvc@33678Walker.021418-031318-RKM	749.190.000-53703.002-Bldgs
3 RLCWA	\$ 56.89	Water Used@TriPlex.020118-030118-RKM	749.190.000-53754-Water Used
4 RLCWA	\$ 93.85	Water Used@FourPlex.020118-030118-RKM	749.190.000-53754-Water Used
5 LORCO	\$ 2,233.98	Reimburse LORCO 2 Deposits-Mar.2018-RKM	749.190.000-53901-Refunds/Reimb
	<u>\$ 5,013.69</u>		

Avon Lake Regional Water  
**LATERAL LOAN FUND 765 EXPENSES**

April 3, 2018

<u>Name</u>	<u>Amount</u>	<u>Memo</u>	<u>Account</u>
1 B & K Excavating, LLC	\$ 3,600.00	Lateral Loan Program - 32652 Belle-RKM	765.190.000-53701-ContractorPmt
2 Concrete & More, Inc.	\$ 3,500.00	Lateral Loan Program -121 Parkwood-RKM	765.190.000-53701-ContractorPmt
3 Concrete & More, Inc.	\$ 3,500.00	Lateral Loan Program-245 Parkview-RKM	765.190.000-53701-ContractorPmt
4 Concrete & More, Inc.	\$ 3,500.00	Lateral Loan Program-32853 Redwood-RKM	765.190.000-53701-ContractorPmt
5 Concrete & More, Inc.	\$ 3,600.00	Lateral Loan Program-146 Fay (90%)-RKM	765.190.000-53701-ContractorPmt
6 Concrete & More, Inc.	\$ 3,500.00	Lateral Loan Program-121 Drummond-RKM	765.190.000-53701-ContractorPmt
7 Heczko Construction	\$ 3,200.00	Lateral Loan Program-32887 Electric-RKM	765.190.000-53701-ContractorPmt
8 Heczko Construction	\$ 3,000.00	Lateral Loan Program-142 Glenview-RKM	765.190.000-53701-ContractorPmt
9 Weeden Waterproofing	\$ 640.00	Lateral Loan Program-227 Duff-RKM	765.190.000-53701-ContractorPmt
10 Weeden Waterproofing	\$ 3,800.00	Lateral Loan Program-32401 Lake-RKM	765.190.000-53701-ContractorPmt
11 Concrete & More, Inc.	\$ 4,000.00	Lateral Loan Program -273 Vinewood-RKM	765.190.000-53701-ContractorPmt
	<u>\$ 35,840.00</u>		

Avon Lake Regional Water  
**WATERWORKS CONSTRUCTION FUND 704 EXPENSES**

April 3, 2018

<u>Name</u>	<u>Amount</u>	<u>Memo</u>	<u>Account</u>
1 Underground Utilities Inc.	\$ 317,080.75	Pmt #4-Stop 45 Project (OWDA Loan #7837)-TAD	704.180.000-55007-Cap Lines
2 Underground Utilities Inc.	\$ 63,056.30	Pmt.#5-Stop 45 Project (OWDA Loan #7837)-TAD	704.180.000-55007-Cap Lines
	<u>\$ 380,137.05</u>		

Avon Lake Regional Water  
**WASTEWATER CONSTRUCTION FUND 724 EXPENSES**

April 3, 2018

<u>Name</u>	<u>Amount</u>	<u>Memo</u>	<u>Account</u>
1 Underground Utilities Inc.	\$ 515,569.52	Pmt.#4-Stop 45 Project(OWDA Loan #7837)-TAD	724.190.000-55006-Cap.San.Sewer
2 Underground Utilities Inc.	\$ 240,525.32	Pmt.#5-Stop 45 Project(OWDA Loan #7837)-TAD	724.190.000-55006-Cap.San.Sewer
	<u>\$ 756,094.84</u>		

**BID TABULATION ANALYSIS  
AVON LAKE MUNICIPAL UTILITIES 201 MILLER ROAD AVON LAKE, OHIO 44012-1004**

3/14/2018

Per addendum(

**BID TABULATION ANALYSIS**

**CURTIS DRIVE SANITARY SEWER REHABILITATION**

WATER MAIN PART A

BID OPENING ON MARCH 29, 2018 @ 12:00 NOON.  
J.R. GAYDAR, P.S., P.E., ENGINEERING SERVICES MANAGER

ITEM	QTY	DESCRIPTION	UNITS	ENGINEERS ESTIMATE	ESTIMATE TOTAL	U.U.I UNIT BID	BID TOTAL
1	18	6" C-909. WATER MAIN PVCO- P.C. = 235 psig, Compacted Premium B.F.	Lin Ft.	\$90.00	\$1,620.00	\$70.00	\$1,260.00
1A	1062	8" C-909. WATER MAIN PVCO- P.C. = 235 psig, Compacted Premium B.F.	Lin Ft.	\$135.00	\$143,370.00	\$77.00	\$81,774.00
39A	1	Electric Blvd. Tie-In To 20" PCCP W.M. (A.D.)	Each	\$6,000.00	\$6,000.00	\$8,000.00	\$8,000.00
39B	1	Curtis Southerly Tie-In To 8" PVCO W.M. (A.D.)	Each	\$2,500.00	\$2,500.00	\$9,000.00	\$9,000.00
2	3	Fire Hydrant Assemblies (Field Adjust as Directed)	Each	\$5,000.00	\$15,000.00	\$5,000.00	\$15,000.00
3	3	8" x 45° D.I. Bend (A.D.)	Each	\$600.00	\$1,800.00	\$400.00	\$1,200.00
3A	1	6" x 8" D.I. Reducer (A.D.)	Each	\$625.00	\$625.00	\$400.00	\$400.00
4	4	8" - 22.5° D.I. Bend	Each	\$625.00	\$2,500.00	\$400.00	\$400.00
5	2	8"-11.25° D.I. Bend (A.D.)	Each	\$625.00	\$1,250.00	\$400.00	\$1,600.00
7	1	6" End Cap	Each	\$340.00	\$340.00	\$400.00	\$400.00
7a	1	8" x 8" Closure Coupling (Solid Sleeve) mj x mj	Each	\$650.00	\$650.00	\$1,000.00	\$1,000.00
8	3	8" M.J. Gate Valve (Resilient Wedge) with 2' Blow-Offs	Each	\$3,100.00	\$9,300.00	\$3,000.00	\$9,000.00
8a	1	8" M.J. Gate Valve (Resilient Wedge)(A.D.) w/ Friction Clamp Assy.	Each	\$3,400.00	\$3,400.00	\$2,000.00	\$2,000.00
8c	5	Install Friction Clamp Assembly (A.D.)	Each	\$400.00	\$2,000.00	\$200.00	\$1,000.00
9	3108	Concrete Drive (T=6" min) (Fast Set)	Sq. Ft.	\$6.10	\$18,958.80	\$10.00	\$31,080.00
10	150	Concrete Walk - Handicap Ramp w/ Truncated Domes	Sq. Ft.	\$8.00	\$1,200.00	\$10.00	\$1,500.00
12	1500	Gravel Drive (T=6" min)	Sq. Ft.	\$1.50	\$2,250.00	\$1.00	\$1,500.00
13	1	4" Temporary Water Service & Fire Hydrants	L.S.	\$75,000.00	\$75,000.00	\$4,000.00	\$4,000.00
14a	11	Install 3/4" Water Service Curtis Drive, short service	Each	\$700.00	\$7,700.00	\$800.00	\$8,800.00
14b	10	Install 3/4" Water Service Curtis Drive, long service	Each	\$800.00	\$8,000.00	\$500.00	\$5,000.00
15	2	8" S.S. Repair Clamp	Each	\$425.00	\$850.00	\$400.00	\$800.00
16	500	Perforated Under Drain 4"-6" ID (As Directed)	Lin. Ft.	\$10.00	\$5,000.00	\$1.00	\$500.00
17	200	6" Sewer Pipe, PVC (As Directed)	Lin. Ft.	\$20.00	\$4,000.00	\$1.00	\$200.00
18	175	8" Sewer Pipe, PVC (As Directed)	Lin. Ft.	\$28.00	\$4,900.00	\$1.00	\$175.00
19	75	10" Sewer Pipe, PVC (As Directed)	Lin. Ft.	\$35.00	\$2,625.00	\$1.00	\$75.00
20	50	12" Sewer Pipe, PVC (As Directed)	Lin. Ft.	\$40.00	\$2,000.00	\$1.00	\$50.00
21	20	15" Sewer Pipe, PVC (As Directed)	Lin. Ft.	\$45.00	\$900.00	\$1.00	\$20.00
22	20	18" Sewer Pipe, PVC (As Directed)	Lin. Ft.	\$55.00	\$1,100.00	\$1.00	\$20.00
23	20	21"-24" Sewer Pipe, PVC, (As Directed)	Lin. Ft.	\$75.00	\$1,500.00	\$1.00	\$20.00
24	2000	Asphalt Repair (AS DIRECTED)	Sq. Ft.	\$4.50	\$9,000.00	\$3.00	\$6,000.00
26	100	Storm Sewer Pipe, CMP, (8" Dia.)(As Directed)	Lin. Ft.	\$24.00	\$2,400.00	\$1.00	\$100.00
26A	21	Sanitary Lateral Repair (As Directed) - Any Size	Each	\$350.00	\$7,350.00	\$80.00	\$1,680.00
27	9	Catch Basin, 2-2B, (As Directed)-Rem. & Rep.	Each	\$1,000.00	\$9,000.00	\$800.00	\$7,200.00
28	2	Yard Drain, (As Directed)	Each	\$450.00	\$900.00	\$300.00	\$600.00
29	1	Construction Surveying	L.S.	\$3,000.00	\$3,000.00	\$5,000.00	\$5,000.00
30	1	SWPPP Inspection Reports / Maintenance	L.S.	\$5,000.00	\$5,000.00	\$500.00	\$500.00
31	30	Catch Basin Protection (swppp - Straw Waddles)	Each	\$100.00	\$3,000.00	\$10.00	\$300.00
32	1	Project Restoration	L.S.	\$12,000.00	\$12,000.00	\$30,000.00	\$30,000.00
33	1	Concrete Washout Pit & Maintenance	L.S.	\$400.00	\$400.00	\$100.00	\$100.00
35	1	Support or Rem. & Re-Install Ex. Wood Pole	Each	\$2,500.00	\$2,500.00	\$100.00	\$100.00
36	1	Mobilization & Demobilization	L.S.	\$38,088.88	\$38,088.88	\$90,000.00	\$90,000.00
37	1	Contract Bond	L.S.	\$19,044.44	\$19,044.44	\$30,000.00	\$30,000.00
38	150	Maintenance of Roadway	DAY	\$150.00	\$22,500.00	\$10.00	\$1,500.00

SUBTOTAL 1-35

UUI Part A: \$359,254.00

\$380,888.80

GRAND TOTAL

\$460,522.12





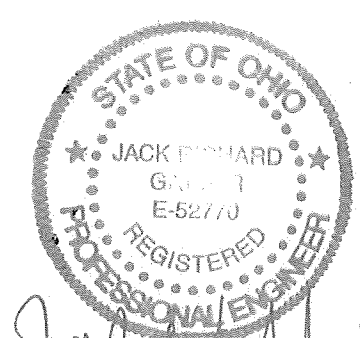
BID OPENING ON MARCH 29, 2018 @ 12:00 NOON.  
 J.R. GAYDAR, P.S., P.E., ENGINEERING SERVICES MANAGER  
 STORM SEWER PART C

<u>ITEM</u>	<u>QTY</u>	<u>DESCRIPTION</u>	<u>UNITS</u>	<u>ENGINEERS ESTIMATE</u>	<u>ESTIMATE TOTAL</u>	<u>U.U.I UNIT BID</u>	<u>BID TOTAL</u>
1	100	8" PVC Sewer Pipe ASTM D-3034, sdr-35 (A.D.)	Lin. Ft.	\$75.00	\$7,500.00	\$32.00	\$3,200.00
1A	100	10" PVC Sewer Pipe ASTM D-3034, sdr-35 (A.D.)	Lin. Ft.	\$85.00	\$8,500.00	\$37.00	\$3,700.00
1B	100	12" PVC Sewer Pipe ASTM D-3034, sdr-35 (A.D.)	Lin. Ft.	\$100.00	\$10,000.00	\$89.00	\$8,900.00
2A	1	PRE-CAST CONCRETE 4' (48") dia. STORM MANHOLE	Each	\$3,500.00	\$3,500.00	\$6,000.00	\$6,000.00
4	230	6" Sewer Pipe, PVC Same as Item 1.	Lin. Ft.	\$35.00	\$8,050.00	\$25.00	\$5,750.00
4A	33	NEW 6" STORM SERVICE LATERAL LONG OR SHORT, CURTIS OR ELECTRIC	Each	\$3,500.00	\$115,500.00	\$3,000.00	\$99,000.00
7	5	Yard Drain (As Directed)	Each	\$450.00	\$2,250.00	\$300.00	\$1,500.00
8	34	Drainage Structure Sediment Protection (swppp - Straw Waddles)	Each	\$100.00	\$3,400.00	\$10.00	\$340.00
10	1	Construction Surveying	L.S.	\$2,500.00	\$2,500.00	\$3,000.00	\$3,000.00
11	1	Project Restoration	L.S.	\$4,500.00	\$4,500.00	\$10,000.00	\$10,000.00
13	1	As Built Plans by Surveyor	L.S.	\$1,800.00	\$1,800.00	\$100.00	\$100.00
14	1	Mobilization	L.S.	\$16,750.00	\$16,750.00	\$30,000.00	\$30,000.00
15	1	Contract Bond	L.S.	\$8,375.00	\$8,375.00	\$10,000.00	\$10,000.00
SUBTOTAL				\$167,500.00		UUI Part C:	\$181,490.00
GRAND TOTAL					\$192,625.00		

BID OPENING ON MARCH 29, 2018 @ 12:00 NOON.

J.R. GAYDAR, P.S., P.E., ENGINEERING SERVICES MANAGER  
ROADWAY PART D

ITEM	QTY	DESCRIPTION	UNITS	ENGINEERS	ESTIMATE	U.U.I	BID
				ESTIMATE	TOTAL	UNIT BID	TOTAL
1	4087	ODOT 202 PAVEMENT REMOVAL (A)	Sq. Yd.	\$15.00	\$61,305.00	\$10.00	\$40,870.00
2	4087	ODOT 202 BASE REMOVAL (B)	Sq. Yd.	\$13.00	\$53,131.00	\$10.00	\$40,870.00
3	1364	ODOT 203 EXCAVATION FOR STONE UNDERCUT (H)	Cu. Yd.	\$15.00	\$20,460.00	\$20.00	\$27,280.00
4	4087	ODOT 204 SUBGRADE COMPACTION & PROOF ROLLING (J)	Sq. Yd.	\$2.25	\$9,195.75	\$1.00	\$4,087.00
5	1544	3" MILL & FILL ELECTRIC & LAKE	Sq. Yd.	\$3.25	\$5,018.00	\$21.00	\$32,424.00
6	342	ODOT 301 ASPHALT CONCRETE BASE-3" (F)	Cu. Yd.	\$190.00	\$64,980.00	\$160.00	\$54,720.00
7	682	ODOT NO. 304 BASE, (6"), NO SLAG (G)	Cu. Yd.	\$55.00	\$37,510.00	\$50.00	\$34,100.00
8	1364	ODOT NO. 304 (12") AGGREGATE BASE FOR STONE UNDERCUTTING (I)	Cu. Yd.	\$55.00	\$75,020.00	\$52.00	\$70,928.00
9	200	ODOT 448 ASPHALT CONCRETE PG64-22 SURFACE COURSE TYPE 1 1-1/4", (D)	Cu. Yd.	\$185.00	\$37,000.00	\$170.00	\$34,000.00
10	253	ODOT 44(8) ASPHALT CONCRETE PG64-22 INTERMEDIATE COURSE TYPE 2 1-3/4", [E]	Cu. Yd.	\$155.00	\$39,215.00	\$150.00	\$37,950.00
11	818	ODOT 407 TACK COAT (0.075 GAL/SQ. YD.) APP. [C]	GAL/SQ.YD	\$3.30	\$2,699.40	\$3.00	\$2,454.00
12	1635	ODOT ITEM 408, PRIME COAT (L)	GAL	\$4.00	\$6,540.00	\$2.00	\$3,270.00
13	2	ODOT ITEM 611 MANHOLE ADJUST TO GRADE	EACH	\$750.00	\$1,500.00	\$1,200.00	\$2,400.00
14	15	ODOT ITEM 617 COMPACTED AGGREGATE (AGGREGATE SHOULDER)	C.Y.	\$60.00	\$900.00	\$300.00	\$4,500.00
15	1	MOBILIZATION	L.S.	\$41,447.42	\$41,447.42	\$40,000.00	\$40,000.00
16	1	CONTRACT BOND	L.S.	\$20,723.71	\$20,723.71	\$25,000.00	\$25,000.00
SUBTOTAL				\$414,474.15		UUI Part D:	\$454,853.00
GRAND TOTAL					\$476,645.27		
						<b>UUI Total A-D:</b>	\$1,857,352.00



*Jack Edward Gaydar, P.S., P.E.*  
032918