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### Conferences

The annual meeting of the <u>TENNESSEE MUNICIPAL</u>
<u>LEAGUE (TML)</u> was held June 9-12 at the Knoxville
Convention Center in Knoxville, Tennessee We enjoyed visiting with our clients and friends at the Ice
Cream Parlor. Mayor Terry Hailey, of Union City,
and Vice President Scott Daniel, of Wauford, are
shown to the right enjoying the conference festivities.

The annual <u>WATER PROFESSIONALS CONFERENCE</u> (the joint meeting of the KY-TN AWWA and WEA) was held at the Music City Center in Nashville, Tennessee July 8-11. Our <u>Ice Cream Social</u> was another great success and we certainly were pleased to see so many of our clients and friends at this event.



For more information, please visit our website www.jrwauford.com

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The annual Business Conference with Tennessee Association of Utility Districts was held August 8-10 at the Gatlinburg Convention Center in Gatlinburg, Tennessee. The newly formed <u>WOMEN IN WATER</u> group held their first group event with ninety women in participation. The goal of this group is to encourage networking of women in the water profession. This event's special topic was focused on self-defense. We encourage all females to become involved in this opportunity.

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### **Project Updates**

#### **Bristol**, Tennessee

An evaluation of the condition of two 1.5 MG Concrete Storage Reservoirs is scheduled to be conducted soon. An evaluation of the existing Lakeview Drive SPS pumping capacity to handle stormwater flow and eliminate SSO's is complete and draft plans and specifications have been submitted to the Owner.

### Chapel Hill, Tennessee

Bids for the Morningside Drive 8-inch Force Main project were opened on August 16 with the low bidder being John T. Hall Construction, Inc., of Sparta at \$830,334. This project is being funded by a CDBG and SRF loan.

A preliminary engineering report to be included with a Fast Track grant application has been prepared for a sewer line extension to an industrial area north of town.

A revision to the Sewer Master Plan to include new developments and WWTP renovation is underway.

### Columbia, Tennessee

All reports required for the EPA Administrative Order of Consent have been submitted. The first project required by the Order consists of the renovation of the Santa Fe SPS and GE SPS. Survey work is complete and design is underway.

#### Crossville, Tennessee

Improvements at the Meadow Park WTP and Holiday WTP, which include constructing a new chemical building, as well as sandblasting and painting the pipe gallery, and replacing the existing settling basin equipment, began November 2017 with W&O Construction Co., Inc. being the Contractor. The chemical building is complete and basin sludge collectors are installed.

Draft plans and specifications for the Meadow Park Lake sewer and water line have been submitted to the Owner for review. This project consists of 6,000 L.F. of 10-inch water line and 16,000 L.F. of 4-inch low pressure sewer. This project reinforces the water transmission system as well as providing sewer service to the Meadow Park Lake area.

### Crossville, Tennessee (Cont'd)

A preliminary study to determine the alternatives to supply the future raw water needs of Crossville has been presented to the Owner and appropriate regulatory agencies. A preliminary list of items required prior to the submission of a permit application has been submitted to Owner.

### Dayton, Tennessee

Design of the new \$15.2M 4.0 MGD SBR WWTP and Third Avenue gravity conveyance line is underway. Site survey is complete and the geotechnical investigation has been completed.

Award of a \$525,000 CDBG for sewer rehabilitation was made in August. This project consists of the replacement of two small diameter sewer crossings under Highway 27 with 24-inch sewer. Design will begin once the contract has been executed by ECD. Bids for the State Route 30 utility relocation project were opened on July 31 with Mayse Construction Company of Chattanooga, TN being the low bidder at \$269,290.90.

Preliminary work is complete for water supply to the Summer City System consisting of 54,000 L.F. of water line, a 750,000 gallon elevated storage tank, and two 2,100 GPM booster stations.

Award for a \$1M ARC grant was submitted for a new 500,000 gallon water tank and 16-inch water line to increase flow to the Nokian Tire site. The survey is complete and design is underway.

## Water Authority of Dickson County Dickson, Tennessee

Welcome to Wauford family WADC! We look forward to providing you with engineering services for years to come.

A draft report for the Jones Creek WWTP Sludge Study which consists of the installation of new screw press and use of existing digesters to produce Class "B" sludge has been provided to the Owner.

A draft report has been submitted to the Owner related to the Jones Creek Drip Irrigation Site. This project proposes the purchase of land for drip irrigation near the plant.

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# Fentress County Utility District Fentress County, Tennessee

The Highway 127/62 utility relocation project through TDOT has a letting date of February 2019. Design work is underway.

Construction on the 12-inch Water Transmission Line from FCUD's Clarkrange Tank to the Industrial Park has begun with John T. Hall Construction, Inc., of Sparta, TN being the Contractor at \$376,717.05. The project is 55 percent complete. The project is being funded through a TN ECD Site Development Grant for the Fentress County Industrial Development Board.



Contractor laying water line pipe for the Industrial Development Board (IDB) of Fentress County, for the 12-Inch Water Transmission Line

A cost estimate for a new North Booster Station, Pinehaven Tank Renovation, and telemetry system project have been submitted to the Owner.

### Halls, Tennessee

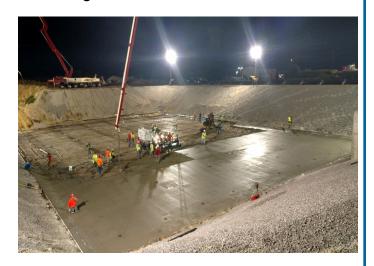
The semi-annual report has been submitted for the pre-treatment program.

SCADA System Upgrades are underway.



# Henderson Water Utility Henderson, Kentucky

Improvements to the South WWTP Aeration Basins are ongoing. Basin No. 4 and Basin No. 5 are in service and the Contractor is working on Basin No. 6 earthwork and concrete structures. This project includes the renovation of three existing earthen aeration basins with 60 mil synthetic liner system on the side slopes, poured in place concrete bottom slabs, new inlet and outlet piping and basin underdrain system. Nine-inch fine bubble disc diffusers are designed to be attached to the concrete bottom slab. The Contractor is M. Bowling, Inc. of Henderson, KY with a budget of \$3.2 million.





Aeration Basin No. 5
South Wastewater Treatment Plant Aeration Basin
Henderson Water Utility
Henderson, Kentucky

A preliminary engineering report has been submitted to the Owner describing proposed improvements to the South Water Treatment Plant, including new backwash pumps and prestressed concrete clearwell.

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### **Project Updates**

### Henderson Water Utility Henderson, Kentucky (Cont'd)

Contract documents were provided for the Owner's use in bidding the South WWTP Scada Expansion project which is funded by a \$285,000 DRA grant.

Construction of the North Wastewater Treatment Plant Final Clarifiers No. I & No. 2 Rehabilitation project is complete.



Clarifiers No. 1 & No. 2 North Wastewater Treatment Plant Henderson, Kentucky

Plans and specifications are complete for the Myrene Drive SPS and Atkinson Park SPS replacement projects. The work includes four contracts consisting of two wet -pit type submersible pumping stations and new 12-inch and 18-inch force mains.

#### Hohenwald, Tennessee

A \$525,000 CDBG was awarded for an electrical upgrade to the Swan Avenue Well and to continue water system leakage rehab. Design will begin soon.

Lewis County, in partnership with Hohenwald, was awarded a \$525,000 CDBG for continuing water system leakage rehabilitation at Cane Creek Road, S. Oak Street, and replacement of residential service lines. The pre-construction meeting was held September 4 with Contracting Services being the low bidder at \$502,785. Commence work is scheduled for October 1.

The Buffalo Road water line is complete and the Contractor is working on punch list items.

# Hopkinsville Water Environment Authority (HWEA), Hopkinsville, Kentucky

Construction for the \$1,007,405 sewer extension to Farm Credit Services, which will accommodate future growth, is complete with Cumberland Pipeline, LLC being the Contractor. The Contractor is working on punch list items.

95 percent draft plans for the Hammond Wood WWTP Expansion have been presented to the Owner. This \$35 million project includes a new influent pumping station with coarse screening, headworks with fine screening and grit removal, anaerobic zone with submersible mixers for enhanced biological phosphorus removal, renovation of the existing oxidation ditches, fine bubble aeration and submersible mixers. new 110 foot diameter final clarifier, renovation of the existing return activated sludge pumping station, renovation of the existing chemical feed facilities, and permanent chemical feed facilities for peracetic acid disinfection. Biosolids are proposed to be stored in two 750,000 gallon aerated prestressed concrete sludge holding tanks before being dewatered by screw presses and solar dryers resulting in a class "A" product. A new operations and laboratory building is also being designed which includes facilities for operator training.

#### **Humboldt, Tennessee**

Design is continuing for the new 5.0 MGD Wastewater Treatment Plant which includes a \$2.87M grant received from Economic Development Administration (EDA).

Plans for the Water Treatment Plant, new Municipal Supply Well, and Gibson County Industrial Park Elevated Water Storage Tank have been submitted to SRF and are awaiting review and approval.

A \$500,000 Site Development Grant through TN ECD was awarded for sewer service to the Gibson County Industrial Park. Survey is complete and design has began.

A \$525,000 CDBG was awarded for a new Grit Removal System at the Wastewater Treatment Plant. Bids were received with Miller Contractors being the low bidder at \$760,000.

The preparation of the NPDES Permit application for the new SBR plant is underway.

Design continues for the Water Distribution Improvements project.

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### **Project Updates**

### Humboldt, Tennessee (Cont'd)



Congratulations to Ms. Jane Leatherland for being the recipient of the William D. Hatfield Award at the KY/TN WPC! This award recognizes outstanding performance and professionalism in the operation of a Wastewater Treatment Facility.

### Huntingdon, Tennessee

A \$525,000 CDBG for sewer improvements has been made and design will begin soon.

Design is complete and has been submitted to TDEC for review in relation to the FastTrack project for the replacement of the Buena Vista Road sewer pumping station.

TDEC has approved the plans and specifications for the Disinfection System Improvements project at the Wastewater Treatment Plant.

Survey is complete for the Lake Area Sewer Service Extension project.

A grant was awarded to the Carroll County Watershed Authority for a Pavilion and Walking Trail and design will begin soon.

### Kingston, Tennessee

Welcome to the Wauford family City of Kingston! We look forward to providing you with engineering services for years to come.

Survey is complete for the Galilean Road Water Line Extension project which consists of 6,000 L.F. of 6-inch water line.

## Jackson Energy Authority (JEA) Jackson, Tennessee

Progress continues on the \$13.3M Disaster Community Development Block Grant focusing on five separate projects. The first project, 54-inch Riverside Interceptor Rehabilitation, was awarded to Layne Inliner, LLC of Orleans, IN at \$964,266. The Contractor has completed the CIPP work.



54-inch Riverside Interceptor Rehabilitation Jackson Energy Authority (JEA) Jackson, Tennessee

A pre-construction meeting was held July 5 for the Johnson Creek and SFFD River SPS renovation project, which was awarded to Ronald Franks in the amount of \$1,150,000.

Design is nearing completion on the Miller Avenue Wastewater Treatment Plant Improvements. The plans and specifications for the installation of new water lines using horizontal directional drilling methods have been submitted to all regulatory agencies. A final review meeting will soon be conducted and plans will then be submitted to the appropriate agencies.

# Lawrenceburg Utility Systems Lawrenceburg, Tennessee

A final report for renovation of the 8.0 MGD Water Treatment Plant has been submitted to the Owner. A meeting has been conducted to evaluate funding sources.



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## **Project Updates**

### Lewisburg, Tennessee

The pre-construction meeting of the WWTP Chemical Feed Building is to be held in early October with Contracting Services, Inc. of Culleoka, TN at \$1,091,743.

Construction of water and sewer relocations for State Route 50/431 is expected to be complete soon with 200 L.F. of water lines remaining to be installed as well as 1,350 L.F. of sewer lines and nine manholes.

John T. Hall Construction submitted the \$553,424 low bid for the replacement of an existing 18-inch sewer with a new 24-inch sewer. This project is funded by a \$525,000 CDBG.

Construction for the Snell Branch Sewage Pumping Station Renovation project with Richland, LLC of Pulaski, TN being the low bidder at \$1,059,850, will begin once the pump and screens are delivered to the site.

### Livingston, Tennessee

Construction for the Monroe Water System Improvements project, with John T. Hall Construction of Sparta, TN being the lower bidder at \$1,562,395, is 95 percent complete. The project consists of 33,000 L.F. of 6 and 8-inch water line and has a completion date of September 2018. All water lines have been installed and the Contractor is working on punch list items.



New 6-inch DIP water line reinforcing water service to Monroe and Dale Hollow Lake area Livingston, Tennessee

Construction for the Sewage Pumping Stations Renovation project, with John T. Hall Construction of Sparta, TN being the low bidder at \$473,850 will begin soon.

### Livingston, Tennessee (Cont'd)

The project consists of the renovation of two sewage pumping stations and 1,400 L.F. of sewer line.

A bid opening for the WWTP renovation project, funded by a \$525,000 CDBG, was held with W&O Construction of Livingston, TN being the low bidder at \$354,000. A pre-construction meeting was held on July 31 and a commence work order has been issued for November 2. The project has a completion date of January 31, 2019.

Improvements at the Water Treatment Plant, with Southern Flow being the Contractor, for control and instrumentation modifications at a cost of \$151,000 are complete.

### Madisonville, Kentucky

Construction of Contract 17-01, 10,000 L.F. of new 6 & 8-inch water lines and a new booster station has began with Bobby Luttrell & Sons, LLC the low bidder at \$675,446. Phoenix Fabricators and Erectors, LLC is the low bidder for Contract 17-02, the new 250,000 gallon tank at \$734,500. The new 250,000 gallon elevated tank for the new north high pressure zone project is nearing completion with welding and painting remaining. The pipework is complete and the Contractor is awaiting pump station delivery for Contract 17-01.



250,000 Gallon Pedesphere Water Tank Progress Madisonville, Kentucky

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### Madisonville, Kentucky (Cont'd)



Booster Station Foundation Being Poured Madisonville, Kentucky

### Maryville, Tennessee

Design of a new Sludge Thickener Building and two new belt presses is 50 percent complete.

A preliminary Alternative Disinfection Study is underway to investigate the use of alternate disinfectants and technologies at the WWTP.

# Ohio County Water District Ohio County, Kentucky

A pre-construction meeting for the Hoover Hill Interconnect Water Line project was held September 6 with Ernie Davis & Sons Mechanical Inc. of Owensboro, Kentucky being the Contractor. The project has a commence work date of October I and a completion date of December 31. The total project cost is \$276,303.

# Paducah McCracken Joint Sewer Agency (JSA) Paducah, Kentucky

Crom was the low bidder for the 15 MG Prestressed Concrete Combined Sewer Storage Tank at \$6,700,000. This tank is proposed to store wet weather combined sewer flows and will utilize a deep pile foundation. The Contractor has mobilized and the project has a completion date of September 4, 2019.

### Pulaski, Tennessee

The Industrial Wastewater Survey (IWS) and calculation of the Plant Protection Criteria and Industrial Wastewater Discharge Limits (local limits) have been submitted to TDEC for approval.

Construction is complete for the \$357,519 Harwell Heights and Robinhood Sewage Pumping Station Renovations.

Construction for the \$435,085.08 rehabilitation of approximately 5,000 L.F. of gravity sewer using pipe bursting methods is substantially complete with Contractor MG Underground, LLC. The Contractor is completing punch list items.

The main interceptor investigation is underway. The CCTV work is complete and the report has been sent to the Owner.

Specs and budget prices are being obtained for system integrators in relation to the WTP Controls and Tank Telemetry.

Bids for the West College Street Sewer Replacement project were opened August 14 with the low bidder being LTS Construction, LLC of Winchester, TN at \$124,760.

### Savannah, Tennessee

Final plans have been submitted to TDOT for the SR128 project from Pyburns Road to Airport Road. A NPDES Permit is being reviewed.

Award of a \$525,000 CDBG for sewer rehabilitation was made in August for a sewage pumping station renovation and line rehabilitation project.

Construction of the new Influent Force Main at the WWTP is complete with Contractor working on punch list items. Ronald Franks with a bid of \$148,000 is the Contractor.

The semi-annual report has been submitted and assistance was provided for the pretreatment compliance inspection.

# Shelbyville Power, Water & Sewerage System (PW&SS), Shelbyville, Tennessee

The Contractor is excavating at Shoffner Bomar and US Pencil SPS sites. Gillispie Construction is the Contractor on the project at \$722,000. The project has a completion date of January 2, 2019.

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### **Project Updates**

Shelbyville Power, Water & Sewerage System (PW&SS), Shelbyville, Tennessee (Cont'd)



Concrete Reinforcing Steel for the Shelbyville Shoffner-Bomar Sewage Pumping Station Shelbyville, Tennessee

The IWS and Local Limits have been submitted to the State for preliminary approval before adoption. Bids for the 2017 CDBG Phase III Sewer Rehab project have been received with John T. Hall Construction, Inc. of Sparta, TN being the low bidder at \$770,470.

### Smithville, Tennessee

Technical assistance continues to be provided for pretreatment.

## Trenton Light and Water Trenton, Tennessee

Construction on the new I.6 MGD Sequencing Batch Reactor (SBR) Wastewater Treatment Plant is 65 percent complete with Smith Contractors being the Contractor at a project cost of \$8,888,000. The Contractor is placing the last exterior wall section. The project has a completion date of March 2019.

# Trenton Light and Water Trenton, Tennessee (Cont'd)



I.6 MGD SBR WWTP Trenton, Tennessee

### **Union City, Tennessee**

A Constructability meeting for the I-69, Phase II and State Route 5 was conducted September 5 and the project's current let date is December 2018.

A Delta Regional Authority Grant has been awarded in the amount of \$300,000 for water improvements to the Industrial Park for the SR-21 watershed. The Contractor is Marbury Construction with a bid of \$355,036.

