

BOARD OF PUBLIC WORKS AND SAFETY
MINUTES
May 21, 2019

Regular Session:

The Board of Public Works and Safety met in regular session on Tuesday, May 21, 2019 at 9:00 a.m. in the Common Council Chambers. Members present were: Gary Henriott, Cindy Murray, Amy Moulton, Norm Childress and Ron Shriner.

Jacque Chosnek, 1st Deputy City Attorney, was also present.

President Henriott called the meeting to order.

The Pledge of Allegiance was given to the flag of our Country.

MINUTES

Mrs. Moulton moved for approval of the minutes from the May 14, 2019 regular meeting. Mrs. Murray seconded. Passed.

BIDS UNDER ADVISEMENT

Loeb Baseball Stadium

President Henriott stated that this item will remain under advisement.

NEW BUSINESS

Water Works

Recommendation for Award- RFQ-Guaranteed Savings Contract Providers

Kerry Smith, Water Works Superintendent, presented to the Board and recommended approval of a Recommendation for Award for the RFQ Guaranteed Savings Contract Providers with Bowen Engineering for a Guaranteed Maximum Price. Mr. Shriner moved for approval. Mrs. Moulton seconded. Passed.

Notice to Proceed-S. 4th Street Water Main Replacement Project

Mr. Smith presented to the Board and recommended approval of a Notice to Proceed with Atlas Excavating. Mrs. Moulton moved for approval. Mrs. Murray seconded. Passed.

Amendment #1-Wessler Engineering Contract for 4th Street Water Main Replacement Project

Mr. Smith presented to the Board and recommended approval of Amendment #1 for the Wessler Engineering Contract for 4th Street Water Main Replacement Project. The amendment includes adding Construction Phase services. Mr. Childress moved for approval. Mr. Shriner seconded. Passed.

Engineering

Contract with GRW Engineers, Inc. for Teal Road Water Main Relocation

Mr. Smith presented to the Board and recommended approval of a Contract with GRW Engineers, Inc. for the Teal Road Water Main Relocation Project for 1000 feet of water main, design, permitting, bidding and assisting on the construction phase. The amended contract amount is not-to-exceed \$40,000.00. The fee scheduled for the project has been provided. Mrs. Moulton moved for approval. Mr. Childress seconded. Passed.

Lafayette Housing Authority

Agreement between Lafayette Housing Consortium and Wabash Center for 2017-2018 & 2018-2019 North 15th Street

Valerie Oakley, Project Manager, presented to the Board and recommended approval of an Agreement between the Lafayette Housing Consortium and Wabash Center for 2017-2018 & 2018-2019. The project is in the amount of \$200,803.00 with 2017 & 2018 funding to construct a new house at 1607 N. 15th Street. Mr. Childress moved for approval. Mrs. Moulton seconded. Passed.

CLAIMS

Tim Clary, Controller, presented for Board approval, Claims in the amount of \$2,442,558.30. Mr. Childress had a question regarding Page 11 MS4 for Tippecanoe Treasures Office. Mr. Clary stated that this claim was for the stormwater consortium 1st Quarter cost. Mrs. Murray moved for approval. Mr. Childress seconded. Passed.

MISCELLANEOUS

Special Event Request-Miller Graduation Party

President Henriott presented to the Board and recommended approval of a Special Event Request for the Miller Graduation Party to be held on May 27, 2019 from 8:00am-2:00pm in the Big 4 Depot Community Room. Mrs. Moulton moved for approval. Mr. Childress seconded. Passed.

Special Event Request-McNulty Grillo Wedding

President Henriott presented to the Board and recommended approval of a Special Event Request for the McNulty Grillo Wedding to be held on August 9, 2019 from 10:30am-12:00pm on the John T. Meyers Bridge. Mr. Shriner moved for approval. Mrs. Murray seconded. Passed.

Special Event Request-Lafayette Citizens Band Schedule 2019

President Henriott presented to the Board and recommended approval of a Special Event Request for the Lafayette Citizens Band Schedule for 2019 to be held weekly from May 27, 2019 to August 1, 2019 from 5:00pm-9:00pm at Riehle Plaza. Mr. Childress moved for approval. Mrs. Moulton seconded. Passed.

Parking Request-United Way of Greater Lafayette

President Henriott presented to the Board and recommended approval of a Parking Request for United Way of Greater Lafayette to be held on May 23, 2019 from 5:30pm-8:00pm on the street in front of the Fowler House Mansion. The Board amended the time of closure to 3:30pm-8:00pm for the west side of S. 10th Street in front of the Fowler House Mansion. Mrs. Murray moved for approval. Mr. Childress seconded. Passed.

ANNOUNCEMENTS

Mike Roush, Operations Manager for Street and Sanitation, announced that the City of Lafayette will be giving away free mulch pickup to all Tippecanoe County residents on Saturday, May 25, 2019 from 7:00am-3:00pm at the intersection of Sagamore Street and Chestnut Street near Wabash Avenue.

DEPARTMENTAL UPDATE

Lafayette Renew

Brad Talley, Lafayette Renew Superintendent, gave the following update:

Projects to be Complete in 2019

Valley Street

The Valley Street Drainage Project started construction in 2018. This project helps to alleviate major street flooding and will allow the City to separate stormwater from the combined sewer system. Components of this project include new natural detention ponds, hybrid ditches, and storm sewer. This project also replaces an aging and brittle drinking water main along Valley Street.

CSO Tank

The Greenbush CSO Tank is a 4.2 million gallon underground storage tank that will keep over 200 million gallons of sewage from entering the Wabash River each year. The tank is roughly the size of an NFL football field, 40 feet deep, made up of nearly 8,000 cubic yards of concrete, and over 750 tons of reinforcing steel. The tank is held in the ground by over 800 concrete auger cast piles which, when added together, would equal six miles in length. The project team developed a plan to keep all of the excavated soil on the project site saving approximately one million dollars. The design incorporates aboveground features such as an artistic ventilation structure and electrical building that fits in with the City's long-term vision and plans for this area.

North Street

The North Street Reconstruction Project between 3rd Street and 7th Street includes the removal and salvage of historic brick pavers and installation of new street with on-street parking to include curbs, sidewalks, driveways, and ADA ramps. A new permeable paver roadway system with subsurface stone stormwater storage cells and under drains will be installed to handle collection, conveyance, and treatment of stormwater.

Projects to be Started in 2019

9th and South Storm Station and Sewer Separation

This Project helps the City address stormwater drainage concerns from both the Valley Street drainage project and the upper Main Street drainage project. These projects address localized street flooding and

improve drainage in the combined sewer system. The proposed 4 MGD stormwater pump station will allow the City to keep stormwater from these two project areas out of the combined sewer systems and allow for the transformation of this existing site into an asset for the community in the form of a usable green space. This project will decrease the size and cost of future CSO projects due to the elimination of 25 MG annually from entering the combined sewer system.

Williams Street

This project was originally scheduled to take place in Phase II-C (2021-2023) of the City's Long Term Control Plan (LTCP). Due to substantial value engineering cost savings on the Greenbush CSO Tank project, the project is now able to be completed early and under the current bond issuance and rates. The project includes installation of approximately 1,640 feet of 72" RCP sanitary sewer using open cut construction along Sagamore Street from the Williams Street CSO to the Pearl River lift station.

Service Area 21

This project will provide water and sewer service to the intersection of I-65 and Schuyler Avenue. Design work for this project began in 2012 and was brought to approximately 90% complete. At that time, the City decided to shelve the Project until development in that area was imminent.

S 30th Street

This area experiences drainage issues during large rain events and is outlined in the City's Storm Improvement Project Plan. Major components of this project include approximately 2000 lineal feet of new storm sewer, a new 30th Street Detention Basin with a footprint of approximately 1.6 acres, clearing and regrading for a large portion of the Apache Ditch, additional storm inlets throughout the project area, and additional regrading within the project area to improve storm water flows.

Plant Capacity Increase

Over the past two years, Lafayette Renew has been in discussions with the Indiana Department of Environmental Management (IDEM) to assess the capacity of the WWTP. Lafayette Renew staff had observed that the WWTP was performing well at the current rated peak flow and it appeared that additional flow could be treated without a loss in treatment performance. In coordination with IDEM, Lafayette Renew began documenting WWTP performance for peak flow rates above the current permitted peak capacity of 52 million gallons per day (MGD). After assembling the necessary data for regulatory acceptance, IDEM confirmed the required plant improvements to increase the average and peak treatment capacity from 26 and 52 MGD to 33 and 66 MGD, respectively. The required improvements include the addition of solids dewatering equipment, and increasing the capacity of the effluent pump station.

LTCP Update

The City of Lafayette is approaching the half-way point of the Combined Sewer Overflow Long Term Control Plan. This 20-year plan has already significantly improved the environment. Projects completed by the City have prevented over two billion gallons of combined sewage from entering the Wabash River. While this work is federally mandated, the City is working to seek multifaceted community benefits from each required project.

Projects in this Plan include:

- *The Pearl River CSO Storage Tunnel Project completed in 2010.* This tunnel, measuring nearly a half mile long and nine and a half feet in diameter, was a first for a City of our size. By utilizing a trenchless construction approach, the City was able to minimize disruptions to downtown

businesses and traffic. This tunnel alone has reduced the volume of combined sewage from entering the river by over one billion gallons.

- *The Earl Avenue Sewer Separation Project completed in 2014.* This Project separated over 900 acres of Combined Sewers and incorporated an award winning innovative stormwater educational park. The separation of the combined sewer system in this area keeps over 100 million gallons of clear stormwater from entering the wastewater treatment plant, saving on energy costs and wear and tear of equipment. The stormwater educational park, located adjacent to Jefferson High School, provides an excellent opportunity as an outdoor learning center for the school and for the Lafayette community.
- *The Brown Street Combined Sewer project was completed in 2018.* This project included over 4,500 linear feet of 72-inch gravity sewer installed in Brown Street from 3rd Street to Erie Street. This project also included green infrastructure in the form of permeable pavers and rain gardens along Brown Street. This project reduces the overall stormwater load that enters the City's CSO system and was vital in reducing the size of the previously mentioned Greenbush CSO Storage Tank.

Departmental Summaries

Lafayette Renew is made up of six departments. These departments include: plant operations, laboratory, maintenance, collection system, surveillance, and storm water. The department is staffed 24 hours a day and has personnel available for a rapid response to any issue that may arise.

- ❖ The plant operations staff, managed by Wally Hare, has effectively treated and average of 21.6 million gallons of wastewater per day in 2019 or a total of over 2.5 billion gallons. The wastewater plant is averaging 95.8% removal of CBOD, 97.2% of solids, nearly 100% removal of ammonia, and 79.4% removal of Phosphorous.
- ❖ The laboratory is managed by Bryan Butler. The lab provides support on various plant processes, industrial discharges and other miscellaneous waste streams. So far in 2019, the lab staff has completed over 10,000 analyses for the department. The lab is also responsible for the City's land application program. So far in 2019, over 1.5 million gallons of biosolids have been applied to farm ground as a valuable nutrient.
- ❖ The department's maintenance personnel, managed by Jason Burks, are responsible for maintenance at the wastewater treatment plant and the 28 pumping stations throughout the City. Every piece of equipment is vital to the continued operations of the department and can range from very small components to a 1,000 horsepower blower.
- ❖ The collection system personnel, managed by Pete Corbin Jr, are responsible for the maintenance of over 479 miles of sanitary, storm, and combination sewers within the department's service area. Maintenance of the collection system includes sewer cleaning, root cutting, repair, televising, and inspection. This division is also responsible for underground locate calls and lateral connection inspections.
- ❖ The surveillance division, managed by Brian Beeler, is responsible for ensuring that the City's 14 permitted significant industrial users and four permitted general industrial users maintain compliance with the City's Sewer Use Ordinance. They are also responsible for the commercial trap program which involves inspecting and monitoring the City's commercial businesses involving plan reviews

and installation inspections of new commercial businesses, along with annually inspecting over 500 commercial traps and oil & grit separators at existing commercial facilities.

❖ Stormwater personnel, managed by Dale Chumley are responsible for erosion control inspection, illicit discharge investigation, street sweeping, and green infrastructure maintenance, all while maintaining the stormwater collection system. Public education programs are an integral part of the Stormwater Utility. Educations programs that the department is involved in include:

- Wabash Riverfest
- Videos – Blue is the New Green, Stormwater Quality Inspections, Proper Concrete Washout, Street Sweeping Awareness, Inspector Training Video series
- TV 18 Commercials – Lawn Maintenance pertaining to Stormwater, i.e. Grass Clippings and Fertilizer
- Erosion Control Education and Contractor Training
- Educational Pamphlets – Grease & Oil, Mowing, Stormwater Solutions
- Wonders on the Wabash raft trip
- Good Housekeeping and Pollution Prevention training

Time: 9:21a.m.

BOARD OF PUBLIC WORKS AND SAFETY

Gary Henriott s/s

President

ATTEST: Mindy Miller s/s

Mindy Miller, 1st Deputy Clerk

Minutes written by Mindy Miller, 1st Deputy Clerk

*A digital audio recording of this meeting is available in the Lafayette City Clerk's Office or online at <http://www.lafayette.in.gov/agendacenter>.

**A list of all permits issued for the preceding week is available at <http://www.lafayette.in.gov/DocumentCenter/Index/375>