



# City of Lawrence

**The Flame | May 2018**

"We Have  
Tomorrow —  
Bright Before  
Us, Like A  
Flame."

*Langston Hughes*

## MAY IS BICYCLE SAFETY MONTH

### Road Rules: Working Together to Share the Road

To help keep everyone safe on the road, the City of Lawrence recommends the following for **motorists**:

- Yield to pedestrians and bicyclists.
- Never pass and then turn across the path of a moving bicyclist. Slow down and turn behind the bicyclist.
- Allow at least three feet of passing space between you and the bicycle. – It's the LAW
- Do not blast your horn when approaching a bicyclist - you may startle him/her.
- Do not accelerate to pass bicyclist when approaching a stop sign.
- Take extra care to look out for children bicyclists not only in school zones, but also in residential areas, playgrounds and parks.



**Bicyclists** must also follow the rules of the road including these additional tips for safety:

- Obey all traffic rules, signals and stop signs.
- Use head and tail lights at night.
- Always wear your helmet!
- Do not ride on downtown sidewalks.
- Never ride more than two abreast.
- Always ride with the flow of traffic and use hand signals when turning.
- Do not ride with headphones.
- When a road is too narrow for cars and bikes to ride safely side by side, bicyclists should take the travel lane, which means riding in or near the center of the lane.

**Find more information:** [www.lawrenceks.org/share\\_the\\_road](http://www.lawrenceks.org/share_the_road)

Get a Lawrence **Bicycle Rideability Map** for planning your routes at  
[www.lawrenceks.org/mpo/bikemap](http://www.lawrenceks.org/mpo/bikemap)

See how Lawrence compares to the rest of the country by logging your miles in the free **National Bike Challenge** at [www.nationalbikechallenge.org](http://www.nationalbikechallenge.org)

## Do you know your signals?



**Left Turn**



**Right Turn**



**Alternate  
Right Turn**



**Stopping**



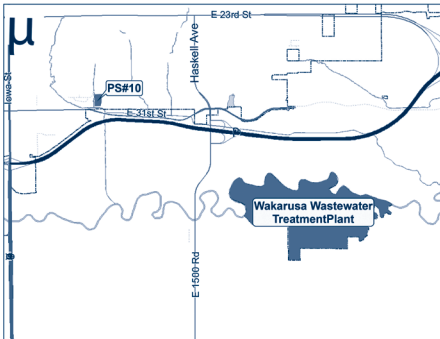
## Construction Ahead

Stay up-to-date with current city construction projects by following the city on Facebook or Twitter. We also offer a weekly re-cap of upcoming city construction projects that may affect your commute.  
Sign up at [www.lawrenceks.org/subscriptions](http://www.lawrenceks.org/subscriptions)

# Wakarusa Wastewater Treatment Plant

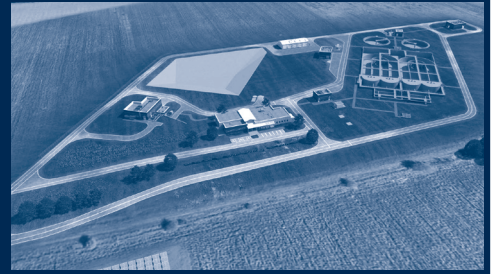
Construction of the new Wakarusa Wastewater Treatment Plant (WWTP) and Conveyance Corridor facilities is substantially complete. This \$74 million multi-year project is the largest public capital improvement project in over ten years. The 20 acre facility is located south of the Wakarusa River at 41st and O'Connell Rd. The new plant will increase the City's wastewater treatment capacity by 2.5 million gallons per day, which is an increase of 20%.

The new treatment plant along with the influent pump station at 31st and Louisiana St. will help mitigate wet weather surcharging of sanitary sewers along the 31st Street Corridor, provide for relief of wet weather overloading at the existing WWTP, and provide additional organic treatment capacity to allow for future growth of the community.



## Wakarusa Wastewater Treatment Process 101

**Collection System** – Collects used water from homes, business and industries. The wastewater then moves by gravity to a pump station.



**Pump Stations** – These structures, also known as lift stations, pump wastewater through the sewer system to the two Lawrence wastewater treatment plants.

**Headworks Complex** – Initial stage of wastewater screening necessary to remove trash and grit before entering the treatment trains.

**Biological Nutrient Removal Basins** – A three stage process designed to remove chemical compounds that are inherent to wastewater but can have a negative impact on the river:

1. **Anaerobic stage** – utilizes specialized microbes to remove phosphorous, a nutrient that can cause algal blooms in natural water bodies.
2. **Oxic stage** – utilizes a different group of microbes to remove biodegradable material and convert ammonia, a chemical that can be toxic to fish, into nitrate compounds.
3. **Anoxic stage** – utilizes yet another specialized set of microbes to break down the nitrate compounds into nitrogen gas which is then re-released into the atmosphere.

**Final Clarifiers** – Circular basins that allow solids to settle at the bottom to be removed from the water. These solids can then be re-used as fertilizer, after stabilization, due to their rich nutrient content.

**Ultra Violet Disinfection** – The last stage of the treatment process disinfects the water as it passes through UV light. Disinfection ensures that the water has low enough pathogen concentration to not endanger Lawrence's pets, fisherman, and swimmers.

**Discharge treated water to the river!**

For more information and to see time-lapse of the construction check out our website:

<https://lawrenceks.org/utilities/wakarusa-wastewater-treatment-plant/>

## LAWRENCE PARKS AND RECREATION SUMMER CAMPS

Looking for activities the kids can do this summer? Lawrence Parks and Recreation is offering a variety of camps and activities, keeping kids active and entertained all summer long. From the traditional playground program to nature center camps, kids will have fun while learning throughout their time away from school.

By partnering with Youth Tech, Inc. and Mad Science of Kansas City, LPRD brings technology exploration to Lawrence. There are a number of sports camps, including: golf, cheer and spirit, tennis, gymnastics, lacrosse, soccer and volleyball. There is also a variety of dance camps, a bike camp and an aquatic camp as well as a fully-integrated camp for youth with and without disabilities.



To view all the camps and other programs offered by the parks and recreation department, please visit <http://lawrenceks.org/lprd/sumfall18>

**o u r m i s s i o n :**

Insert: #234

*Committed to providing excellent city services that enhance the quality of life for the Lawrence community*