

January 2024



Monthly *Caretaker* Report



Andy Souza, Public Works Director

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To: Jeff Meisel, City Manager

RE: Public Works Monthly Report for January 2024

Available on the City's Website: <https://www.bgky.org/publicworks>

Date: Submitted **02 February 2024**



Figure 1- Crew Leader Brent Brawner removing a tree section on Yuma Circle. This section was subsequently used for landscaping at Jennings Creek Park (8 Jan)



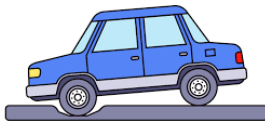
Operations Update



Dave Delp, Operations Manager
270-393-3202 (office)

- **Summary-** Operations completed 113 work orders in January (61 for December). Operations milled and patched **0 sections of roadway** and repaired/installed **11 traffic signals** and **50 signs**. Operations also treated and plowed city roads during the inaugural snowfall of the year from 14-16 January and again on 18-19 January.

Current Month (January 2024)



**Potholes
Repaired**
14



**Street
Sweeping
Hours/miles/tons**
36/80/28

* Estimated



**L/ft
Sidewalks
Repaired**
49



**Tons of
Asphalt Used**
1.4

Previous Month (December 2023)

4

79/190/18

78

4.9



Figure 2-Operations Maintenance Technician Jagger Rone loads salt during the first snowfall of the season (14 Jan)

Road Salting Statistics

Since 14 January

Tons to date:

474



\$66.1K

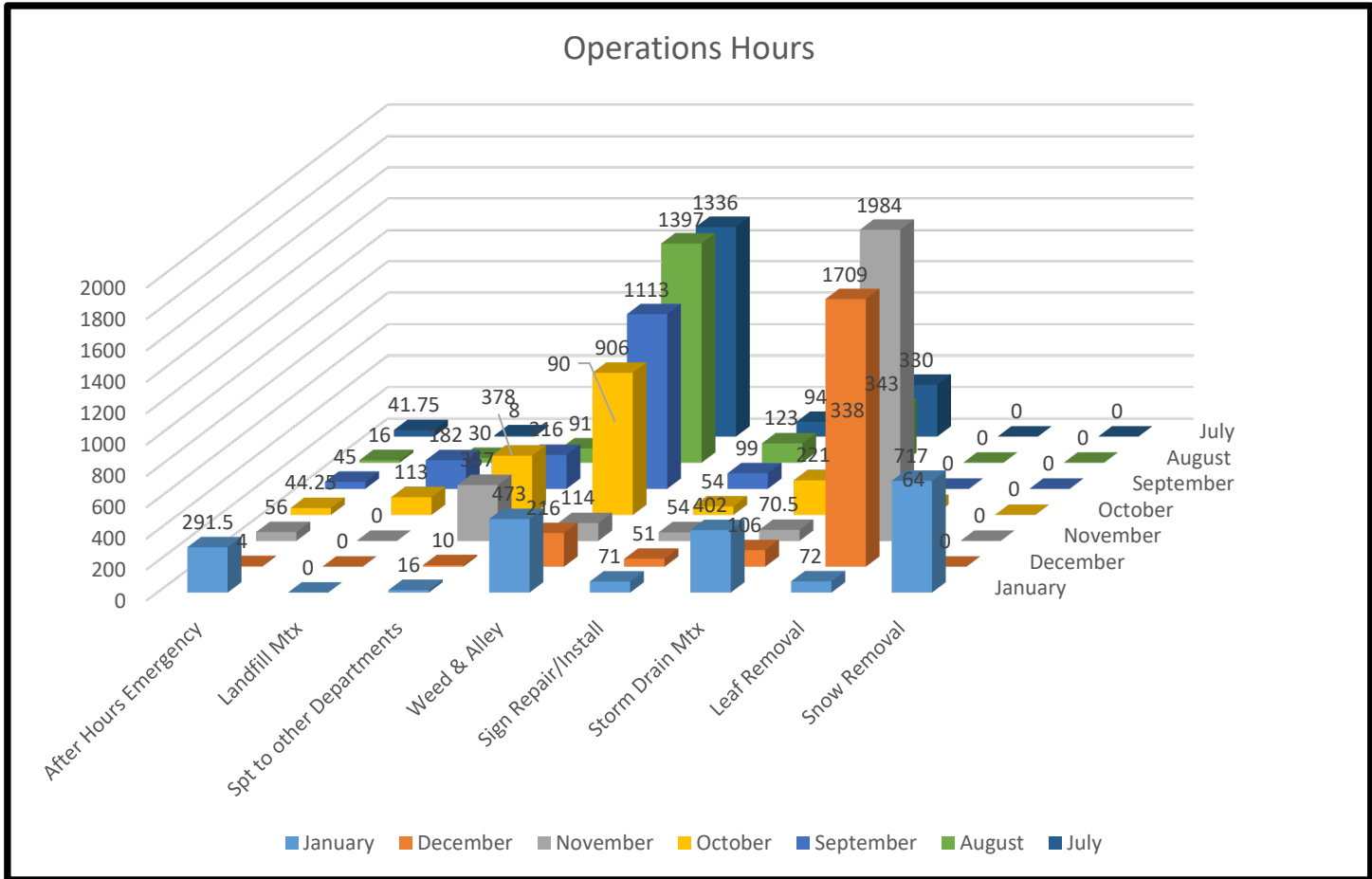


Figure 3- Operations Hours (July - January)



Figure 4- As streets are salted and plowed, they are marked off in an online system allowing for route optimization. These trucks are lined up for salt filing. (14 Jan)

Operations Highlight #1



State St. & E. 12th Ave.
Signal Repair/Upgrade Work
Completed: 2 Jan

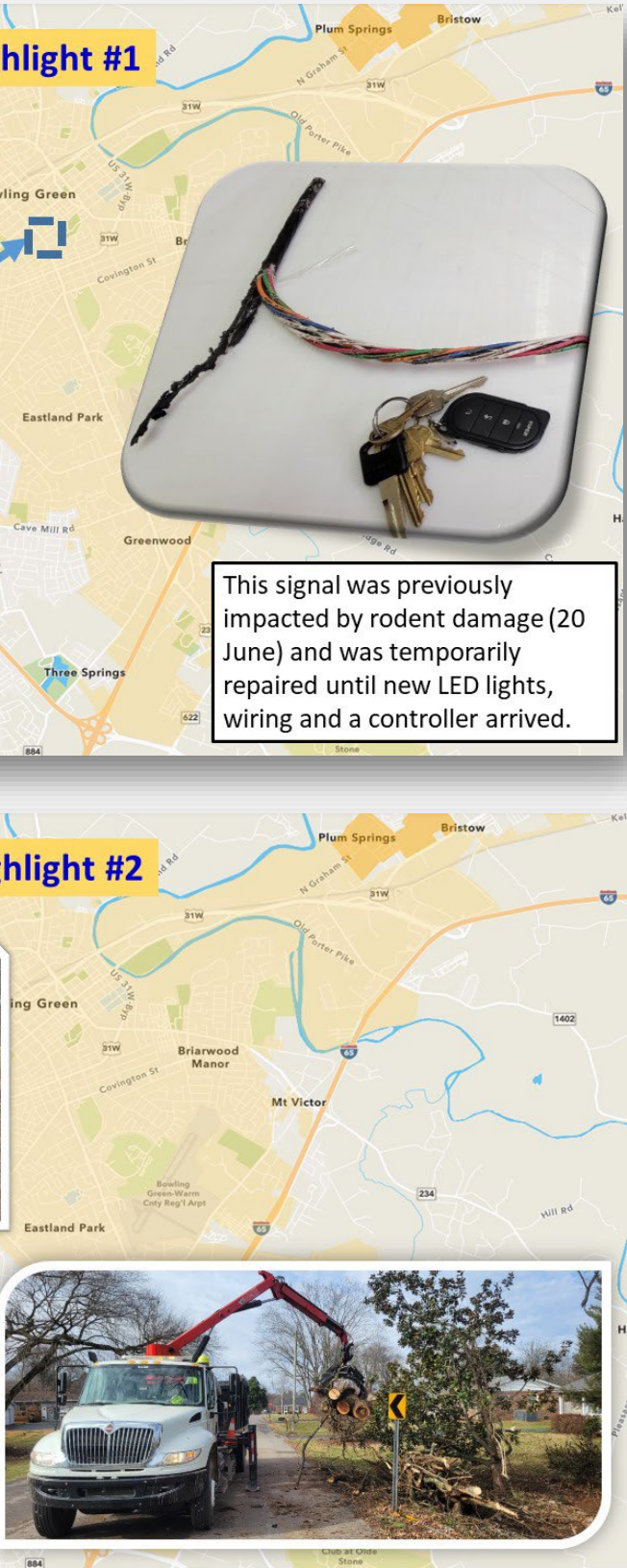


This signal was previously impacted by rodent damage (20 June) and was temporarily repaired until new LED lights, wiring and a controller arrived.

Operations Highlight #2



Yuma Circle
Storm Basin Repair & Tree Trimming
Started: Ongoing (Photos from 8 Jan)



Operations Highlight #3

During

Completed

**Kensington Way & Newberry St
"STOP" Thermoplastic Paint Install
Completed: 11 Jan**



Figure 5- A private business donated pizza to thank our Operations Crews (19 Jan)



Planning & Design Update

Melissa Cansler, City Engineer
270-393-3212 (office)



Plats Reviewed

10



Subdivisions Inspected

24



ROW Permits

37



CDR Reviews

16

- **Public Open House: Highland Way & Emmett Ave-** City Engineer Melissa Cansler and Assistant City Engineer Kyle Hunt lead an Open House on 23 January to gather public feedback related to proposed road improvements to Highland Way and Emmett Avenue. In preparation for the meeting, post cards were sent to **184 residents** and **2 message boards** were placed on Highland Way (17-23 Jan).
- **Bluegrass Farms Update** – At the recent design update meeting, the owner’s representatives were agreeable with the final design. Pending some minor revisions, the project will be ready to bid in March.
- **Greenhill Street Extension** – The roadway design was completed in December and impacted property descriptions have been submitted for review. Property discussions will begin in February. The signal warrant study for the proposed intersection at Veterans Memorial Blvd. is being reviewed by Kentucky Transportation Cabinet staff in Frankfort. It is anticipated that a signal will be approved at this location.



Figure 6- Assistant City Engineer Kyle Hunt discussing the Highland Way Project with a resident (23 Jan)



Figure 7- Display Board presented at the Open House for the Highland Way and Emmett Ave Project (23 Jan)

Planning & Design Highlight #1

Newly installed dashcams recorded a sideswipe of a Public Works vehicle. The City driver was not at fault. Blue SUV hit Public Works mirrors.

Campbell Lane & Harvard Dr.
Public Works Vehicle Sideswiped
Date: 30 Jan



Environmental Compliance Update



Matt Powell, Environmental Manager
270-393-3071 (office)

- Following the removal of the Greencastle Lock & Dam by the US Army Corps of Engineers (USACE), the water levels in the Barren River below River St. are no longer sufficient to operate a traditional outboard motor with a prop. In response, our division purchased a jet-driven workboat last year. This January's ambient sample collection trip was the first with this equipment. The boat exceeded expectations and restored full access to this section of the river. Samples are collected from a series of 10 surface and ground water sources quarterly; this work is in addition to the underbgky.org real time monitoring network.
- The full analytical report is over 41 pages long; the chart below is a summary of the data collected during October of 2023. These numbers indicate the number of *escherichia coli* bacteria in each 100 mL of water. E. coli bacteria typically come from the lower intestines of warm blooded animals. While regulations vary around the country, levels above 200 Most Probable Number (MPN)/100mL typically necessitate posting warning signs, such as for swimmers. ***Often swimming areas are closed when the count rises above 1,000 MPN/100mL.*** Our karst landscape contributes to our high numbers, as septic systems function poorly here and surface runoff from agricultural areas is directed to sinkholes that emanate in surface streams.

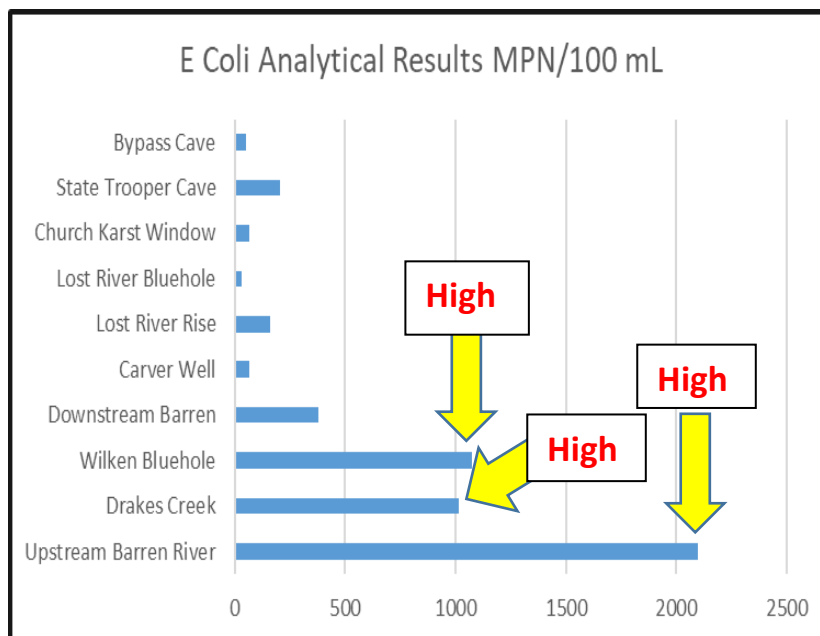


Figure 8- October 2023 Water Sampling Data



Figure 9- E. coli. *Escherichia coli* or *E. coli* is a type fecal coliform bacteria that is commonly found in the intestines of animals and humans. *E. coli* in water is a strong indicator of sewage or animal waste contamination. *

* Source- <https://www.usgs.gov/special-topics/water-science-school/science/bacteria-and-e-coli-water>



Figure 10- Environmental Inspector Courtenay Howell conducting Ambient Water Sampling on Drakes Creek. (23 Jan)

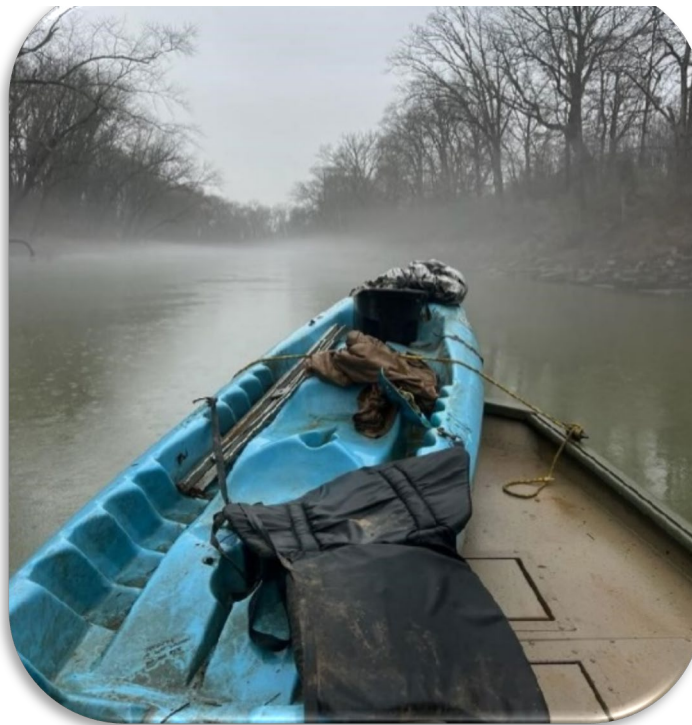


Figure 11- During water sampling, Environmental Manager Matt Powell and Environmental Inspector Courtenay Howell found an abandoned kayak. The owners contact information was written on the vessel. It was determined to have been stolen from the Beach Bend area. The team turned it over to the Warren County Sherriff's Office for processing and return to the rightful owner. (23 Jan)



Facilities Update

Dave Hehner, Facilities Management
270-393-3055 (office)

Plumbing 	HVAC 	Electrical 	Carpentry 	Cleaning 	Construction
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75

Facilities Work Orders by Location

<i>PW Admin</i> 11	<i>PW Operations</i> 6	<i>PW Fleet</i> 11
City Hall 9	City Hall Annex 10	NCS 1
<i>BGPD</i> 9	<i>BGFD Station #1</i> 2	<i>BGFD Station #2</i> 1
<i>BGFD Station #3</i> 3	<i>BGFD Station #4</i> 1	<i>BGFD Station #5</i> 2
<i>BGFD Station #6</i> 1	<i>BGFD Station #7</i> 1	<i>BGFD Station #8</i> 2
Convention Center 4	Hobson House 1	White House 1



Figure 12- (Left) Facilities Maintenance Technician Caleb Houtchen plows at BGPD. (Right) Facilities Manager Dave Hehner clears snow at Public Works Admin (15 Jan)

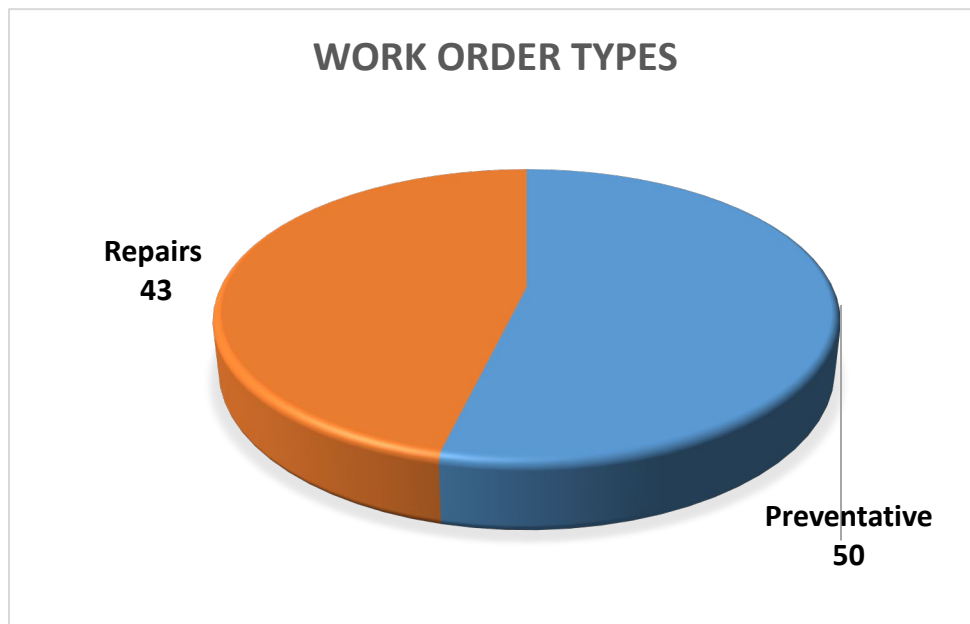


Fleet Update

Denise Gilland, Fleet Manager
270-393-3201 (office)



- **Summary-** To date, **26 of 36** new vehicles have been delivered to the city from Enterprise Fleet Management. Fleet oversees the process, marks the vehicles and assigns them to the correct departments.



January Work Orders

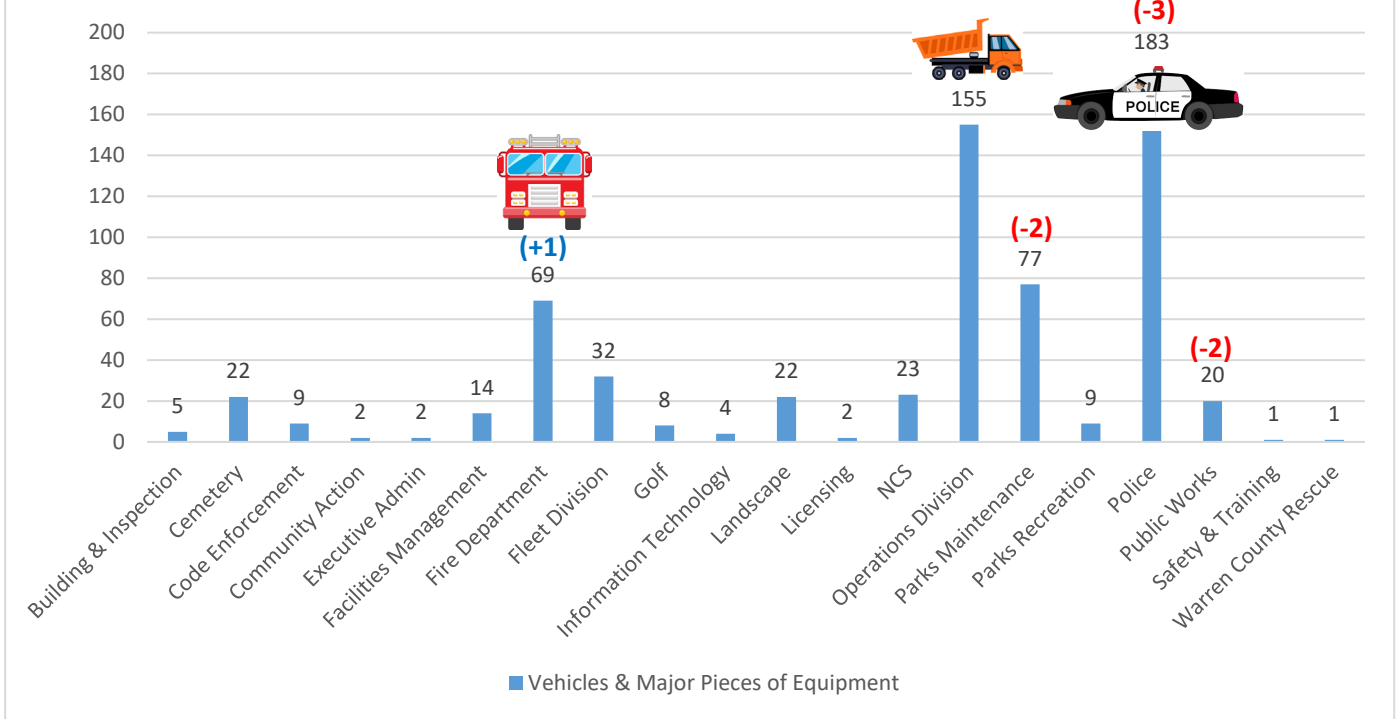
185 Created

93 Completed

50% Completed



Vehicles & Major Pieces of Equipment

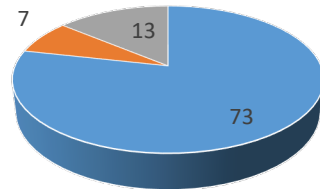


Total Parts used in January

231

(178 in December)

Work Order Closure Rate



■ <24 hrs ■ > 24 hrs & < 48 hrs ■ > 48 hrs

City Fleet Monthly Usage (Previous Month)

December



14.4K

Gallons



3.2K

Gallons



103

Gallons



\$44,808

Dollars



Public Works Support to Fire (Fleet & Facilities Divisions)



Figure 13- Master Technician Josh Johnson works on a fire apparatus at Fire Station #7. (31 Jan)



Figure 14- Fire Equipment Technician Jordan Stice traveled to Bradenton, Florida to inspect Engine 8. This is the newest apparatus in the fleet and will be assigned to Station #8 in the Transpark. (31 Jan)



Figure 15-Facilities Manager Dave Hehner oversees construction progress at Fire Station #8. (31 Jan)

Total Work Orders Completed by Fleet ISO BGFD

34



Admin Update



Surplus Property	Fleet Division	2013 NISSAN ROGUE COMPACT SUV 4DR FWD. MILEAGE 65,583. Unit #5521. Asset #17559. Disposal Method 2. Approved on 3 January .
Surplus Property	Fleet Division	2014 CHEVROLET G2500 12 PASSENGER EXPRESS WINDOW VAN. MILEAGE 32,093. Unit #8078. Asset #17580. Disposal Method 2. Approved on 3 January .
Surplus Property	Fleet Division	2007 DODGE 2500 3/4 TON 4X4 EXTENDED CAB. MILEAGE 93,259. Unit #8045. Asset #16527. Disposal Method 2. Approved on 3 January .
Surplus Property	Fleet Division	2013 NISSAN ROGUE COMPACT SUV 4DR FWD. MILEAGE 75,670. Unit #7022. Asset #17556. Disposal Method 2. Approved on 3 January .
Surplus Property	Fleet Division	2005 FORD EXCURSION 4 DOOR SUV. MILEAGE 73,884. Unit #5512. Asset #15877. Disposal Method 2. Approved on 3 January .
Surplus Property	Fleet Division	2016 FORD F150 4X4 SC 1/2 TON CREW CAB 4WD PICKUP. MILEAGE 48,403. Unit #5119. Asset #17706. Disposal Method 2. Approved on 3 January .
Surplus Property	Fleet Division	2015 NISSAN ROGUE AWD COMPACT SUV 4DR FWD. MILEAGE 89,753. Unit #5118. Asset #17636. Disposal Method 2. Approved on 3 January .
Surplus Property	Fleet Division	2005 FORD EXPLORER 4 DOOR SUV. MILEAGE 39,344. Unit #1705. Asset #15580. Disposal Method 2. Approved on 3 January .
Surplus Property	Fleet Division	2014 HYUNDAI TUCSON MID SIZE SUV AWD. MILEAGE 38,285. Unit #5115. Asset #17593. Disposal Method 2. Approved on 3 January .
Promotion	Operations Division	The Board of Commissioners approved Municipal Order 2024-1 for the promotions of Ryan Johnson to Operations Division Manager, Tony Phelps to Crew Supervisor II and Eric Joiner to Signal Technician II on 16 January .
APWA	Admin Division	Lizette Garcia was appointed as Secretary for the APWA Kentucky Southern Branch on 24 January .

Take Home Vehicles (7)

Division	Fleet #	Employee	Vehicle Type	Mileage	Other
Fleet	7027	Stice	2023 Chevy Silverado ½ Ton	2,141	
Operations	4159	Delp	2022 Ford 1/2 Ton	24,064	
Operations	4111	Johnson	2015 Dodge Ram 2500 3/4 Ton	67,887	
Operations	4160	Walden	2022 Ford 1/2 Ton	17,545	
Facilities	5531	Hehner	2023 Jeep Grand Cherokee	9,862	
Environmental	5538	Powell	2023 Chevy Silverado ½ Ton	3,067	
Director	5529	Souza	2020 Ford Explorer	25,896	Mtx- Fuel Pump

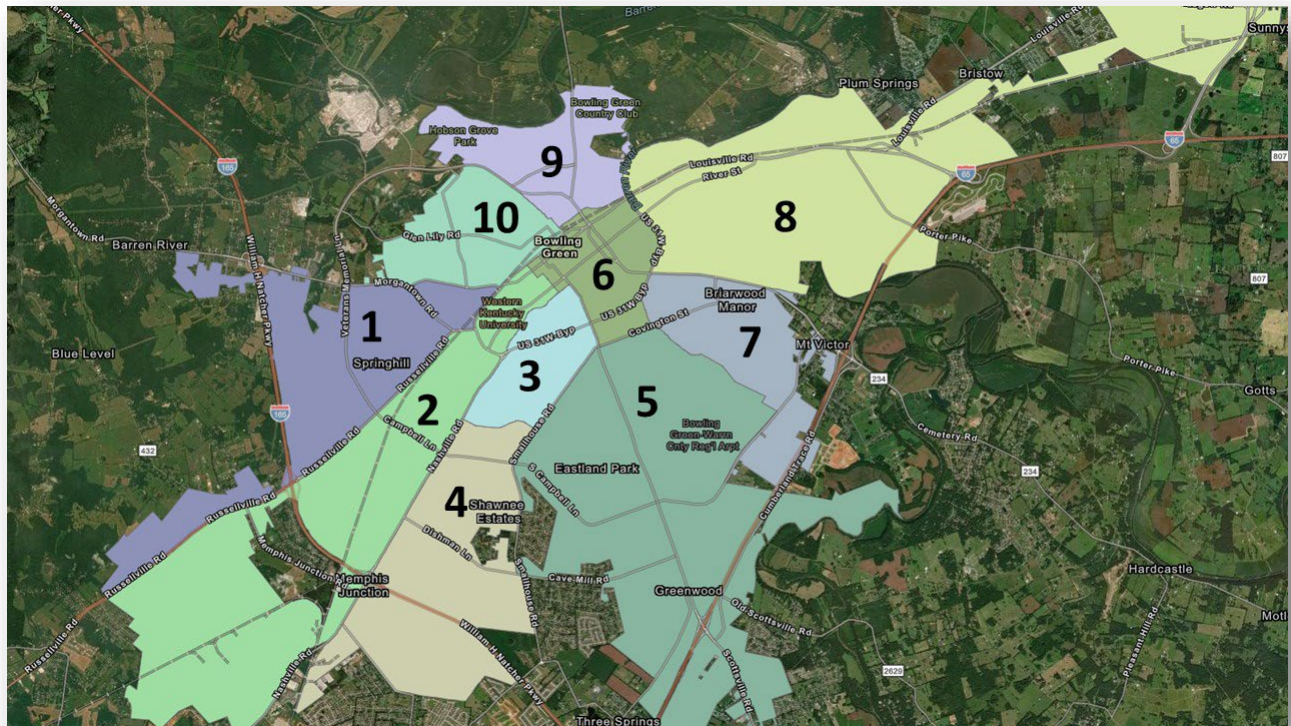


Figure 16-Work Zones (used for sweeping, leaf removal, and snow plowing)