



*Louisville Metro Public Works*

*Fiscal Year 21 Budget  
Presentation*

*June 9, 2020*





# *Louisville Metro Public Works Divisions*

- *Administration*
  - *Solid Waste Management Services*
  - *Roads & Operations*
  - *Engineering & Transportation*
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# Administration

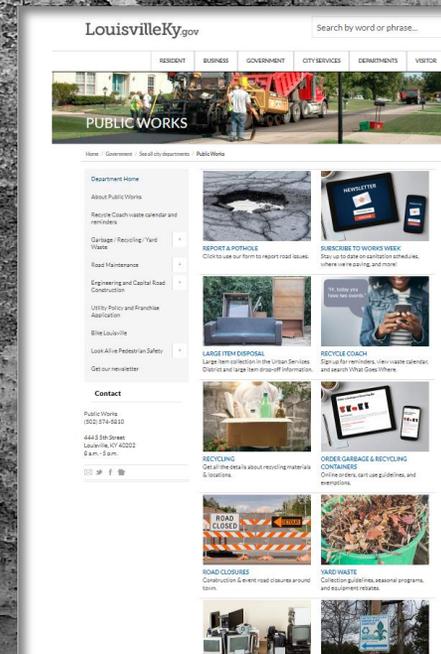
## WORKFORCE DEVELOPMENT

- *Hiring and training*
- *Letters of expectation*
- *Public Works New Employee Orientation*
- *Probationary Evaluations*
- *Performance Evaluations*
- *Health and Wellness Visits*
- *Training/Coaching*
- *Administrative Support*
- *Human Resources*



# Administration COMMUNICATION

- Strategy
- Implementation
  - Website
  - Social media
  - Newsletters
  - Leadership talking points
  - News releases
  - Mobile applications



# Administration

## *SAFETY & TRAINING*

- *Safety and Equipment Training*
- *Safety Logistics Program*
- *Jobsite Safety Audits*
- *Facility Safety Inspections*
- *Safety Committee*
- *Accident Review Committee*
- *Employee Engagement*



# Administration

## *PERFORMANCE IMPROVEMENT*

- *Operational performance consulting*
- *Strategic planning assistance*
- *Tracking of Key Performance Indicators*
  - *Data analysis*
  - *LouieStat reporting*
  - *Dashboards and departmental Reports*
- *Participated in the Metro IMT Covid-19 Response*



# Solid Waste Management Services

## RESPONSIBILITIES

- *Garbage*
- *Recycling & Yard Waste*
- *Street Sweeping*
- *Enforcement*
- *Education*



# Solid Waste Management Services

## GARBAGE PICKUP

- *Curbside Garbage (weekly)*
  - *84,000+ households & small businesses (21 daily routes)*
  - *60,000 tons collected annually*
- *Curbside Bulky Waste*
  - *84,000+ households serviced 3 times per year*
  - *14,500 tons collected (does not include waste tires collected and recycled)*



# Solid Waste Management Services

## WASTE REDUCTION CENTER

- *2,000 tons waste landfilled*
- *418 tons electronics recycled*
- *692 tons tree debris composted*
- *100 tons metals recycled*
- *5,000+ tons waste tires recycled*
- *5,000+ tons shingles recycled*



# Solid Waste Management Services

## WASTE REDUCTION CENTER

- *Drop off Recycling county wide*
  - *13 self service and 3 full service locations*
  - *3,300 tons recycled*
  - *8,000+ gallons of used motor oil and anti-freeze collected*
- *Household Hazardous Materials*
  - *35+ tons fuel blended, recycled, or landfilled*



# Solid Waste Management Services

## *STREET SWEEPING*

- *Urban Street Sweeping*
  - *4,200+ miles cleaned*
  - *1,200+ tons collected and kept out of sewer system*
- *Suburban Street Sweeping*
  - *2,094 miles cleaned*
  - *Approx. 200 tons collected and kept out of sewer system*



# Solid Waste Management Services

## ENFORCEMENT

- 4,600+ *Metro311* complaints investigated (3 officers)
  - 1,874 illegal dumping
  - 1,580 junk setout wrong time and garbage complaints
- 1,245+ litter cleanup request (two officers and inmates)
  - 1,380+ miles of roadways cleaned
  - 186,000+ pounds of litter removed
  - 550+ waste tires removed



# Solid Waste Management Services

## ENFORCEMENT

- *1,221+ violation notices issued*
- *316 citations issued*
- *12 impounds for illegal dumping*
- *400+ street sweeping parking citations*



# Solid Waste Management Services

## EDUCATION

- Reached over 2,500 community members through in-person school presentations, neighborhood meetings, events, and workshops in FY19-20.
- Virtual presentations and videos can reach even more people – Facebook Live Recycling Presentation: 108 views, Where Recycling Goes video: 1,476 views
- Recycle Coach app – over 5,000 new subscribers in FY 19-20.
- Know Waste Wednesday - weekly waste trivia posted on social media platforms with an average of 40,000 impressions weekly.





# Roads and Operations

## *OPERATIONAL RESPONSIBILITIES*

- *2,400 miles of Roadway Maintenance and Repair*
  - *107 Employees on call*
  - *24/7/365 Emergency Response*
  - *Stormwater Maintenance*
  - *Snow & Ice Response - Incident/Disaster Recovery*
  - *Dead & Dangerous ROW Tree Removal*
  - *Right-of-way Mowing*
- 



# Roads and Operations

## *PAVEMENT MAINTENANCE AND REPAIR*

- *Potholes: 41,384 repaired*
  - *Pavement crack filling: 17,394 linear feet*
  - *Full-depth repairs: 9,890 square feet*
  - *Milling & paving repairs: 51,343 square feet*
  - *Concrete repairs: 1,938 square feet*
- 



# Roads and Operations

## *SNOW AND ICE RESPONSE / INCIDENT RESPONSE*

- *Salt Spreading*
  - *Snow Plowing*
  - *Winter incident debris removal*
  - *Flood cleanup/mitigation*
  - *Dead & Dangerous Tree removal*
  - *Removal of sight distance obstructions*
- 



# Engineering and Transportation

## CAPITAL PROJECTS

- *4<sup>th</sup> St Streetscape between Broadway & Chestnut*
  - *Barret & Castlewood Safety Improvements*
  - *Hill Street sidewalks*
  - *S. 4<sup>th</sup> Street Viaduct Improvements*
  - *Trimarc fence*
  - *Dixie Hwy TIGER Grant “Dixie Do-Over”*
  - *McNeely Lake Park Louisville Loop Shared Use Path and Trailhead*
  - *Vision Zero*
  - *Tyler Park Bridge Preservation Study*
- 

# Engineering and Transportation

## CAPITAL PROJECTS

- *4<sup>th</sup> St Streetscape between Broadway & Chestnut*



# Engineering and Transportation

## *CAPITAL PROJECTS*

- *Barret & Castlewood Safety Improvements*



# Engineering and Transportation

## *CAPITAL PROJECTS*

- *Hill Street sidewalks*



# Engineering and Transportation

## *CAPITAL PROJECTS*

- *4<sup>th</sup> Street Viaduct Improvements*



# Engineering and Transportation

## *CAPITAL PROJECTS*

- *TRIMARC Fence*



# Engineering and Transportation

## CAPITAL PROJECTS

- *The New Dixie Hwy Project  
“Dixie Do-Over”*



# Engineering and Transportation

## *TRAILS AND GREENWAYS PROJECTS*

- *McNeely Lake Park  
Louisville Loop  
Shared Use Path  
and Trailhead*



# Engineering and Transportation

## *TRAILS AND GREENWAYS PROJECTS*

- *Tyler Park Bridge Preservation Study*



# Engineering and Transportation

## *TRAILS AND GREENWAYS PROJECTS*

- *Eastern Parkway Transportation Study*



# Engineering and Transportation

## *TRAILS AND GREENWAYS PROJECTS*

- *Fairdale Village Green*



# Engineering and Transportation

## *TRAILS AND GREENWAYS PROJECTS*

- *Louisville Loop*  
*Middletown*  
*Eastwood Trail*  
*(MET)*



# Engineering and Transportation

## SIDEWALK PROJECTS

- *Ashby Lane – Segment 1*
- *Ormsby Lane - Segment 2*
- *South 16th Street*
- *Payne & Ewing*
- *Six Mile Lane connector*
- *Kenwood Drive – partnership with TARC*
- *Taylorsville Road – partnership with TARC*
- *Fairground Road connector*
- *Berrytown Road*
- *Rockford Lane*
- *Phillips Lane – Segment 1*





# Engineering and Transportation

## *ALTERNATE TRANSPORTATION COORDINATION*

- *Dockless scooter operator licensing*
  - *Coordination with Develop Louisville*
  - *Licensing and Operations*
  - *Coordinate Citizen Complaints/Concerns*
  - *Monitor and Ensure the Safety of the Public*
  - *Policy Updates*



# Engineering and Transportation

## *TRAFFIC ENGINEERING*

- *Oversight of over 83,500 signs*
- *Operation of more than 1,000 traffic signals and the Metro-wide Advanced Traffic Management Systems*
- *Neighborhood speed reduction programs and citywide pedestrian safety enhancements*
- *Vision Zero - Metro-wide Safety Coalition and Partnership 415 service requests in 2019*
- *310 service requests completed in 2019*
- *1,083 Signs & Markings service requests in 2019*
- *788 Signs & Markings service requests completed in 2019*



# Engineering and Transportation

## *TRAFFIC ENGINEERING PROJECTS*

- *Dixie Highway Bus Rapid Transit (BRT)*
  - *CMAQ 2018 – Connection 21*
  - *Neighborhood speed reduction programs*
  - *Vision Zero – citywide safety initiatives*
  - *Citywide pedestrian safety enhancements*
- 

# Engineering and Transportation

## *TRAFFIC ENGINEERING PROJECT*

- *Traffic signal removal pilot project at Cherokee & Longest*



# Engineering and Transportation

## *TRAFFIC ENGINEERING PROJECT*

- *3<sup>rd</sup> St two-way conversion*



# Engineering and Transportation

## *TRAFFIC ENGINEERING PROJECT*

- *Traffic signal installations*



# Engineering and Transportation

## *SIGNS & MARKINGS*

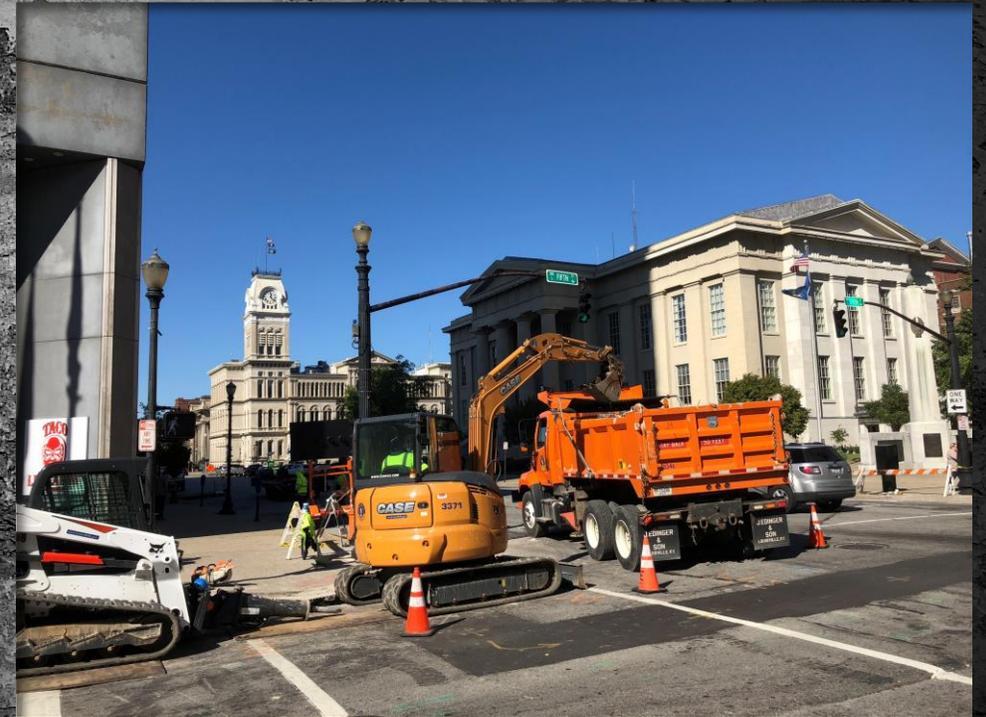
- *Participated in 70 special events*
- *Received 2,137 service requests*
- *3,129 work orders completed*
- *Assisted with 85 special projects*



# Engineering and Transportation

## INFRASTRUCTURE MAINTENANCE

- *2,124 miles of roads*
  - *86 miles paved in FY 20*
  - *Google Fiber & Utility Restoration Projects*
- *411 bridges and culverts*
  - *Taylorville Road completed in FY 20*
- *1,900 miles of sidewalks*
  - *550 sidewalk repairs in FY 20*



# Engineering and Transportation

## *INFRASTRUCTURE MAINTENANCE*

- *English Station Way Paving*



# *Engineering and Transportation* *INFRASTRUCTURE MAINTENANCE*

- *Sidewalk repairs*

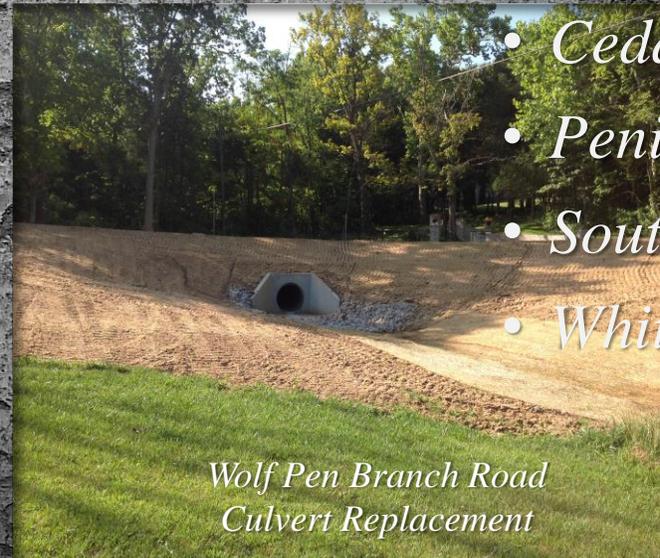


# Engineering and Transportation

## INFRASTRUCTURE MAINTENANCE

### *Bridge & Culvert Program*

- *Completed*
- *Taylorsville Rd Culvert Replacement*
- *In Construction*
- *Wolf Pen Branch Rd Culvert Replacement*
- *Schooler Ln Culvert Replacement*



*Wolf Pen Branch Road  
Culvert Replacement*

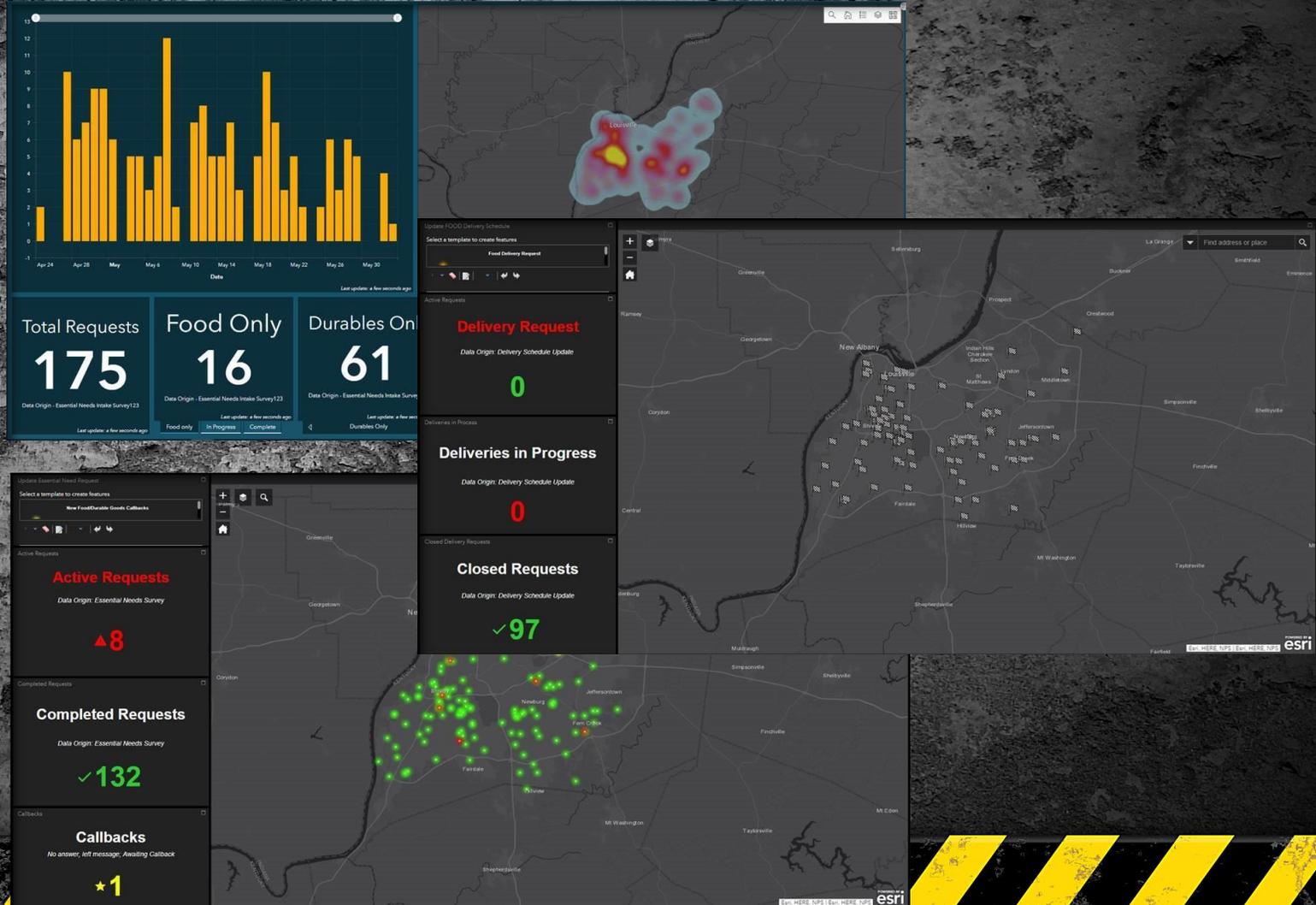
### *Design & Right-of-Way*

- *Aiken Road*
- *Bearcamp Road*
- *Blevins Gap Road*
- *Cedar Creek Road*
- *Penile Road*
- *South Watterson Trail*
- *Whites Lane*

# Engineering and Transportation GEOGRAPHIC INFORMATION SYSTEMS

## *Metro Covid-19 Response*

- Staff assigned to the situation unit created various Surveys and Dashboards used by the IMT*
- Created the Metro Essential Needs Application Logistics process*
- Ongoing Maintenance, Analysis and training of Essential Needs Application*

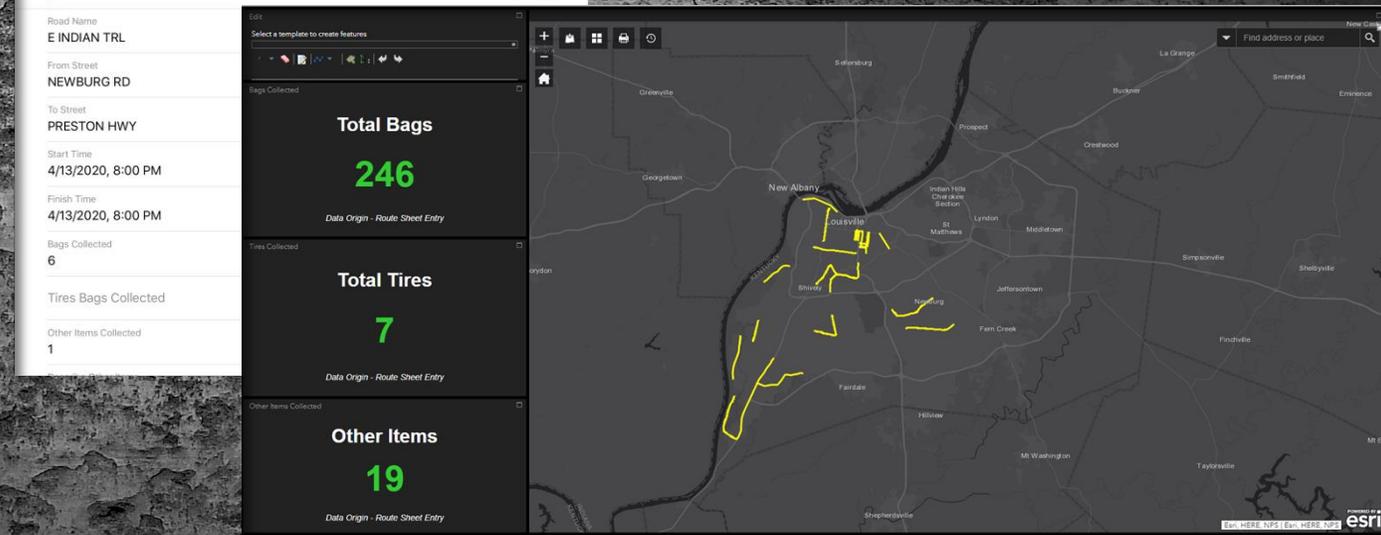
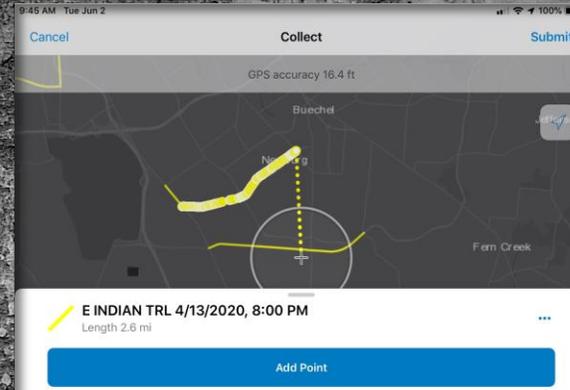


# Engineering and Transportation

## *GEOGRAPHIC INFORMATION SYSTEMS*

### *SWMS - Litter Abatement Web Mapping Application*

- Created to track areas cleaned*

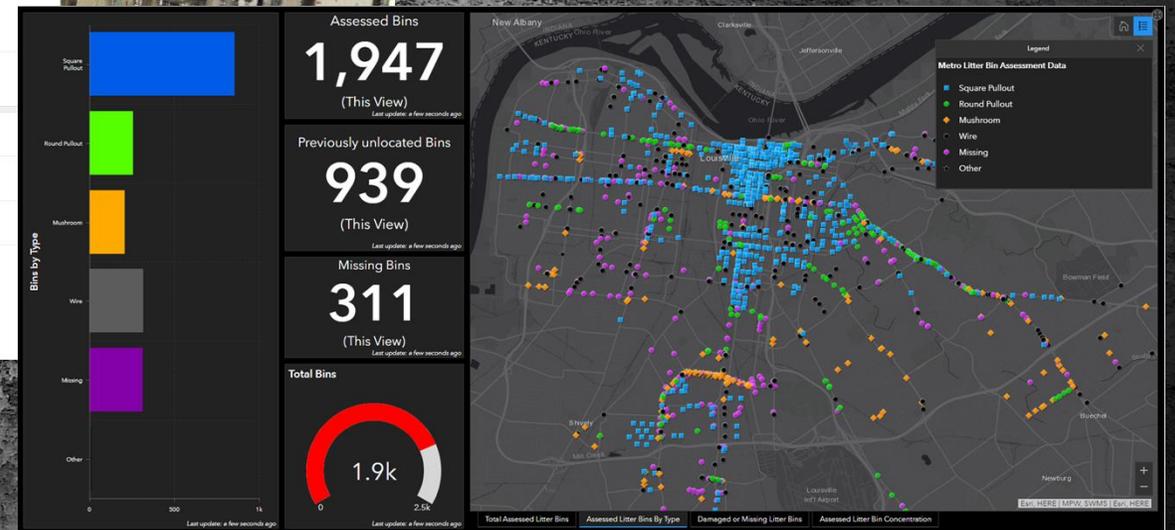
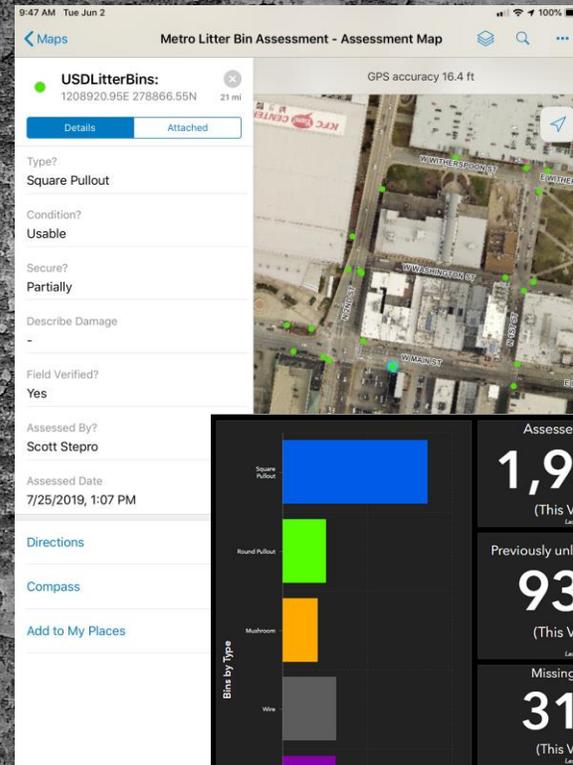


# Engineering and Transportation

## *GEOGRAPHIC INFORMATION SYSTEMS*

### *SWMS - Litter Bin Assessment*

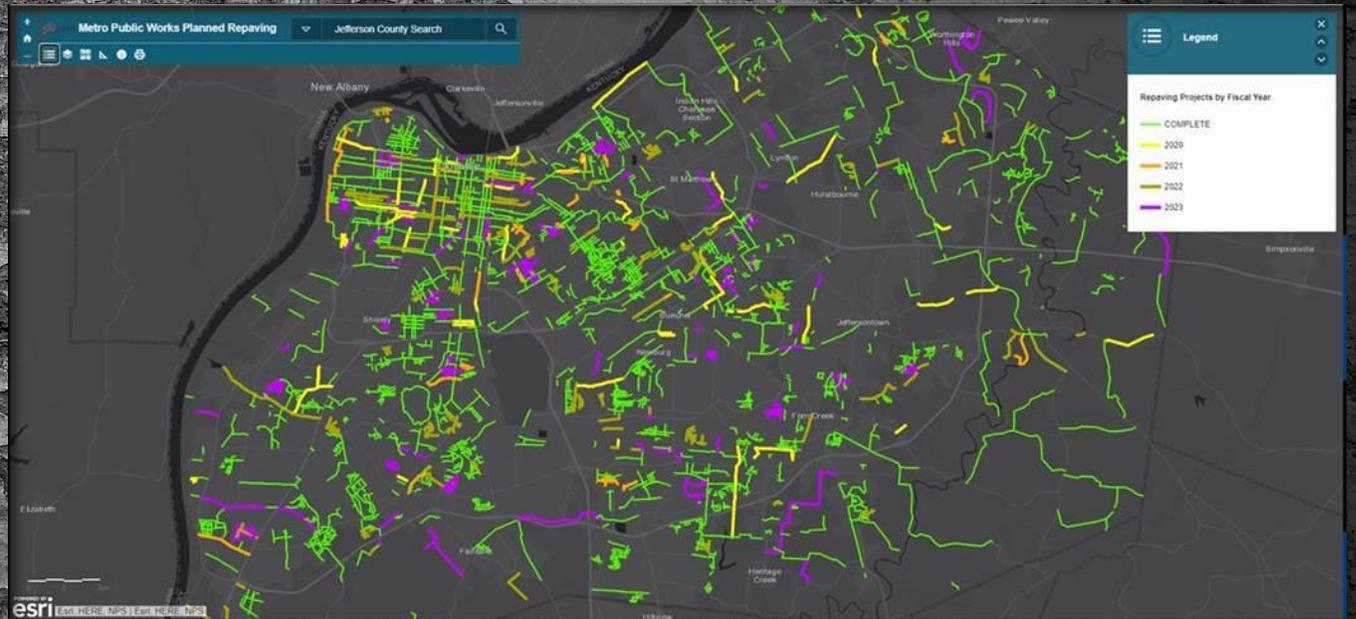
- Created count and assess litter bins in the USD*



# Engineering and Transportation

## *GEOGRAPHIC INFORMATION SYSTEMS*

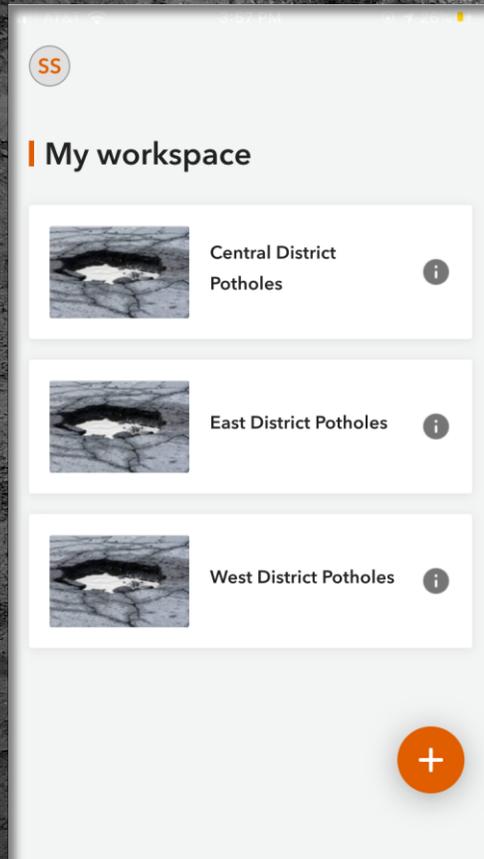
*Engineering – Repaving  
Schedule Web Mapping  
Application*



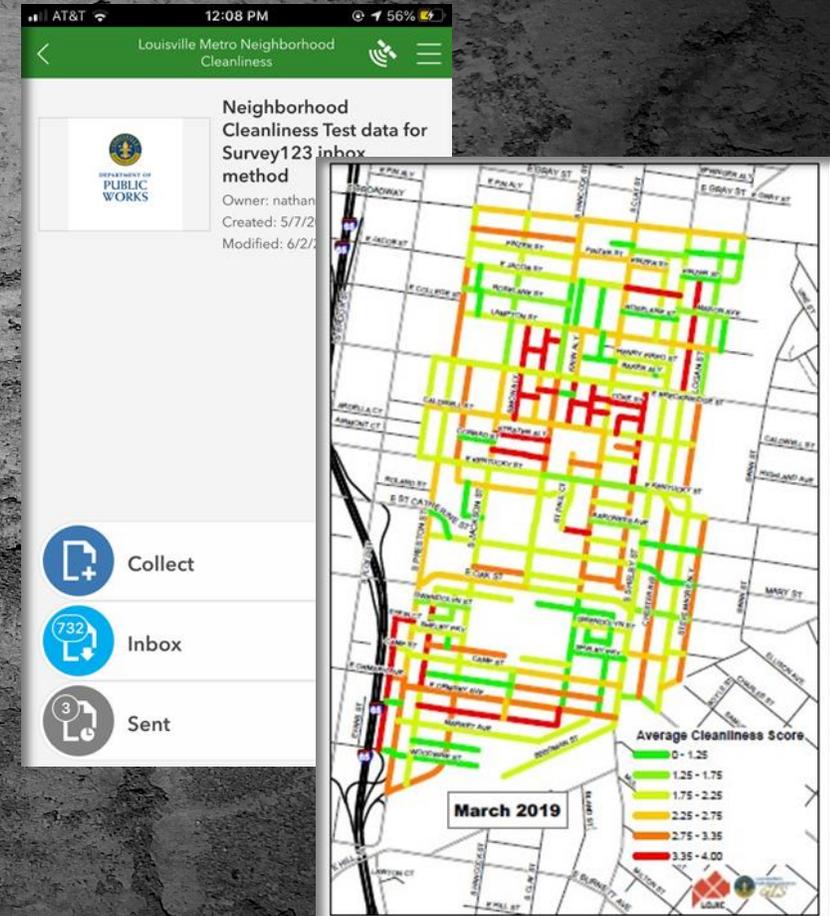
# Engineering and Transportation

## *GEOGRAPHIC INFORMATION SYSTEMS*

*Roadway  
Operations -  
Pothole Quick  
Capture*



*SWMS -  
Neighborhood  
Cleanliness*





# Engineering and Transportation *INSPECTIONS*

- *Capital Construction Projects*
  - *Service Requests*
  - *Building Permits/ CO Inspection*
  - *Subdivision Bond Inspections*
  - *Milling & Paving*
  - *Sidewalk Inspection & ADA Compliance*
  - *Ordinance Enforcement*
- 



# Engineering and Transportation

## *RIGHT OF WAY MANAGEMENT*

- *Permits and Licenses*
  - *Telecommunications Franchises*
  - *Alternate Transportation Coordination*
  - *On Call Technical Assistance to Metro Council*
- 

# Engineering and Transportation

## *PERMITS AND LICENSES*

- *Right of way Encroachment*
- *Loading Zone*
- *Street Furniture/Outdoor Seating*
- *Accessible Parking*
- *Pod/Dumpster*
- *Pole Banner*
- *Large Area (census block group)*
- *License Agreements*



# Engineering and Transportation

## *PERMITS AND LICENSES*

### *TELECOMMUNICATION FRANCHISES (8 ACTIVE IN METRO)*

- *Coordinate Fiber Deployment*
- *Coordinate Small Cell Deployment*
  - *Ensure Compliance with LMPW Utility Policy*
  - *Establish a Balance Between LMPW's Utility Policy Criteria and Applicable Federal Mandates*
  - *Monitor and Ensure the Safety of the Public*





# Engineering and Transportation

## *ON-CALL TECHNICAL ASSISTANCE*

- Partnership with Metro Council members and staff provides timely assistance to council members/aides in the resolution of issues with constituents*

