

# KCStat

[kcstat.kcmo.org](http://kcstat.kcmo.org)

September 11, 2018

#KCStat

## Transportation and Infrastructure



# Transportation and Infrastructure

To improve the City's physical infrastructure with special attention to streets, curbs, sidewalks, and water/sewer systems, and strengthen the multi-modal transportation system in ways that enhance connectivity among neighborhoods, business centers, and cultural/health/recreational destinations. 2

# How To Get There: City Objectives and Strategies For Transportation and Infrastructure

1. Enhance the City's connectivity through a safe, efficient, convenient, and sustainable multi-modal transportation system.
  - a) Seek and implement Smart City opportunities and operationalize technologies. (Office of Innovation)
  - b) Optimize the City's transit investment, through existing and new transit service such as the streetcar, RideKC activities, MAX bus services, and others through routes, north-south and east-west. (Public Works)
  - c) Develop a plan to enhance pedestrian connectivity through sidewalk repair, replacement, and gap removal, in conjunction with GO KC bond funding. (Public Works)
  - d) Update and implement the Bike KC Trails Plan. (Office of the City Manager)

# How To Get There: City Objectives and Strategies For Transportation and Infrastructure

2. Develop environmentally sound and sustainable infrastructure strategies.
  - a) Develop a citywide climate and man-made resiliency plan to safeguard and restore critical City buildings and infrastructure. (Office of Environmental Quality)
  - b) Update and implement the City's Climate Protection Plan to include Envision Sustainable practices, the Envision Sustainable Infrastructure Rating System, and other measures. (Office of Environmental Quality)
  - c) Identify and invest in greenfield areas that capitalize on natural features, promote unique development patterns, build civic space, and promote sustainable design and construction. (City Planning and Development)
  - d) Reduce financial impacts of the City's Smart Sewer Program by proactively working with EPA to adjust the timeline for project completion and proposing additional green infrastructure solutions. (Office of the City Manager)
  - e) Implement the City's Smart Sewer Program to meet the City's federal consent decree requirements. (Office of the City Manager)

# How To Get There: City Objectives and Strategies For Transportation and Infrastructure

3. Engage in efforts to strategically invest in the City's infrastructure.
  - a) Develop an infrastructure asset management plan that maximizes the useful life of all assets and meets federal requirements. (Public Works)
  - b) Implement a plan to expand the public art program to a broader category of assets, with the inclusion of the maintenance of those efforts. (General Services)
  - c) Implement the City's Americans with Disabilities Act (ADA) plan to meet the Department of Justice's settlement agreement and ensure that all projects meet ADA standards. (Office of the City Manager)

# How To Get There: City Objectives and Strategies For Transportation and Infrastructure

4. Increase and support local workforce development and minority, women, and locally-owned businesses.
  - a) Utilize advertisements, the Annual Capital Improvement Overview, and City-sponsored learning opportunities to increase awareness and response to City-issued Requests for Qualifications/Proposals (RFQ/Ps). (Human Relations)
  - b) Update and implement Workforce Strategic Plans on all City and statutory agencies' projects. (Human Relations)
  - c) Develop and implement Community Benefit Agreements and local preference plans for use in City and statutory agency projects. (Human Relations)

**Objective 1:  
Enhance the City's connectivity  
through a safe, efficient, convenient,  
and sustainable multi-modal  
transportation system.**

# Multi-Modal Transportation Objective Metrics

Measures of Success	FY16 Actual	FY17 Actual	FY18 Target	FY18 Actual	FY19 Target
Percent of residents satisfied with condition of sidewalks in YOUR neighborhood	33%	33%	35%	31%	35%
Percent of residents satisfied with overall quality of public transportation	39%	44%	43%	41%	43%
Percent of residents satisfied with on-street bicycle infrastructure	28%	28%	30%	26%	30%

# Strategy A

Seek and implement Smart City opportunities and operationalize technologies.  
(Office of Innovation)

# Smart City Metrics

## WiFi Engagements

- Over **10 Million** Wi-Fi Engagements to date
- **2.7 Million** Visitors (Non-816/913 Area Codes)
- **28%** Average Adaption Rate

## Kiosk Revenue

- Over **\$160,000** in first two years
- City Portion is ~ **\$40,000** (VisitKC, Streetcar receive remainder)
- Expansion of network in 2018/2019 will drive additional revenue

# Smart City Metrics (continued)

## KCMO Brand Enhancement

- Selection of KCMO for Conferences
  - Smart Cities Connect
  - IEEE
  - 2020 Cities
  - East-West Center Seminars
- Academy for Smart Communities Site Selection

## RFP Response



# Data Analytics Use Cases

## Complete

- Vacant Building Prediction
- Pothole Prediction
- 311 Analysis
- Crime Prediction
- Crime Impact Policy Analysis
- Education Analysis
- Digital Inclusion Analysis

## In Progress

- Fire Department / Public Safety Response Analysis
- Transportation Mode Analysis
- Public Health Analysis

# The Avis Mobility Lab

## Public/Private Partnership Opportunity

- Proposed by Avis, Nov 2017

## Data / Content Exchange

- Traffic/Parking/Construction
- Local Media / Ad Content
- Existent Agreements

## Highlights

- Data Flow Successful
- Geofencing Successful

# Innovation Opportunities

## Partnerships

- Multi-City Relationships: KC Digital Drive
- Support Regional Efforts: MARC and KC ATA
- Digital Inclusion / Grant Programs
- Entrepreneur Community

## Innovation Partnership Program

- Third class of IPP participants in progress
  - 4/6 selectees data centric
  - Digital Inclusion, Environmental
  - Public Safety, Citizen Engagement
- Demo Day: Oct 8, 2018 (Tech Week)
- National replication of the program

# Strategy B

Optimize the City's transit investment, through existing and new transit service such as the streetcar, Ride KC activities, MAX bus services, and others through routes, north-south and east-west.  
(Public Works)

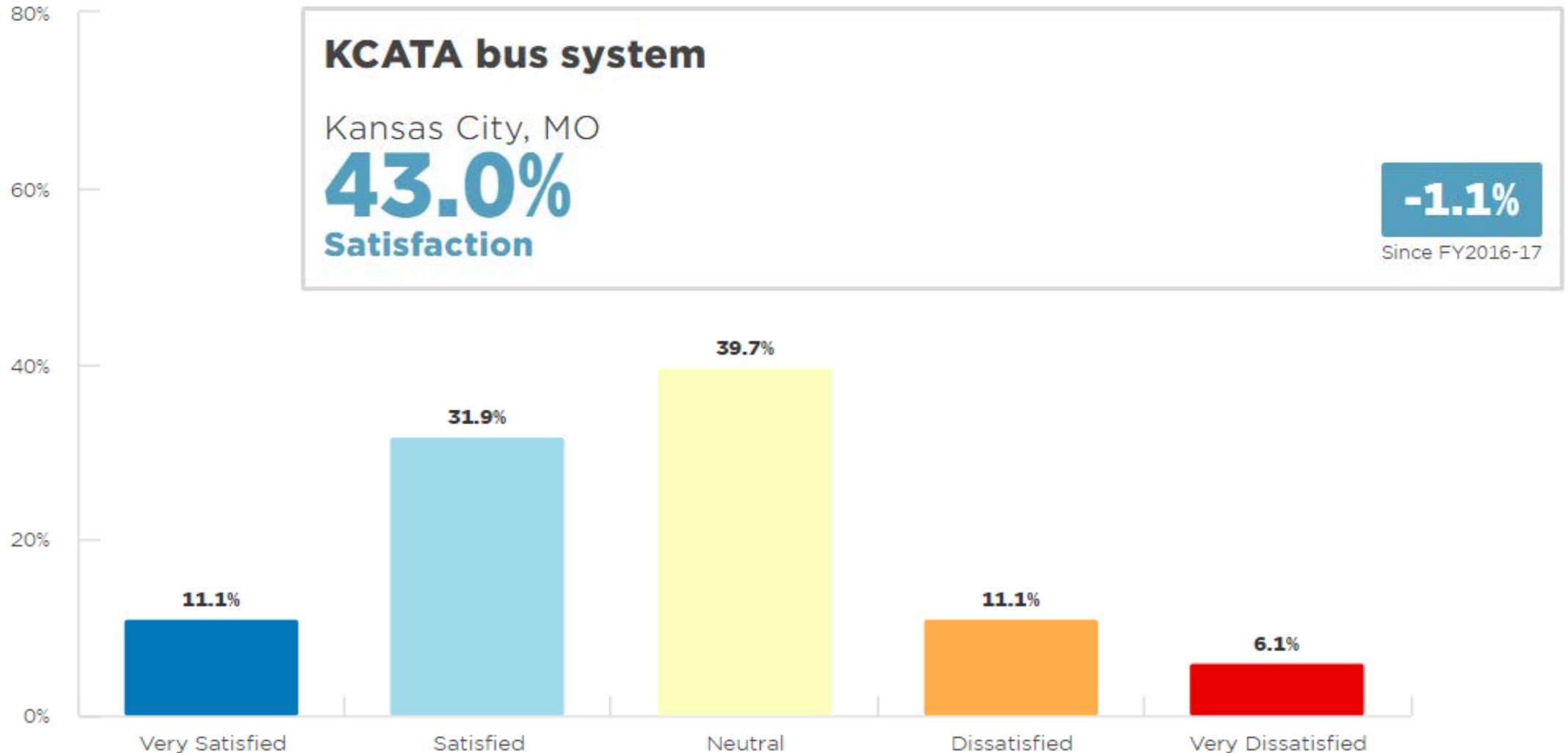
KCATA

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Streetcar

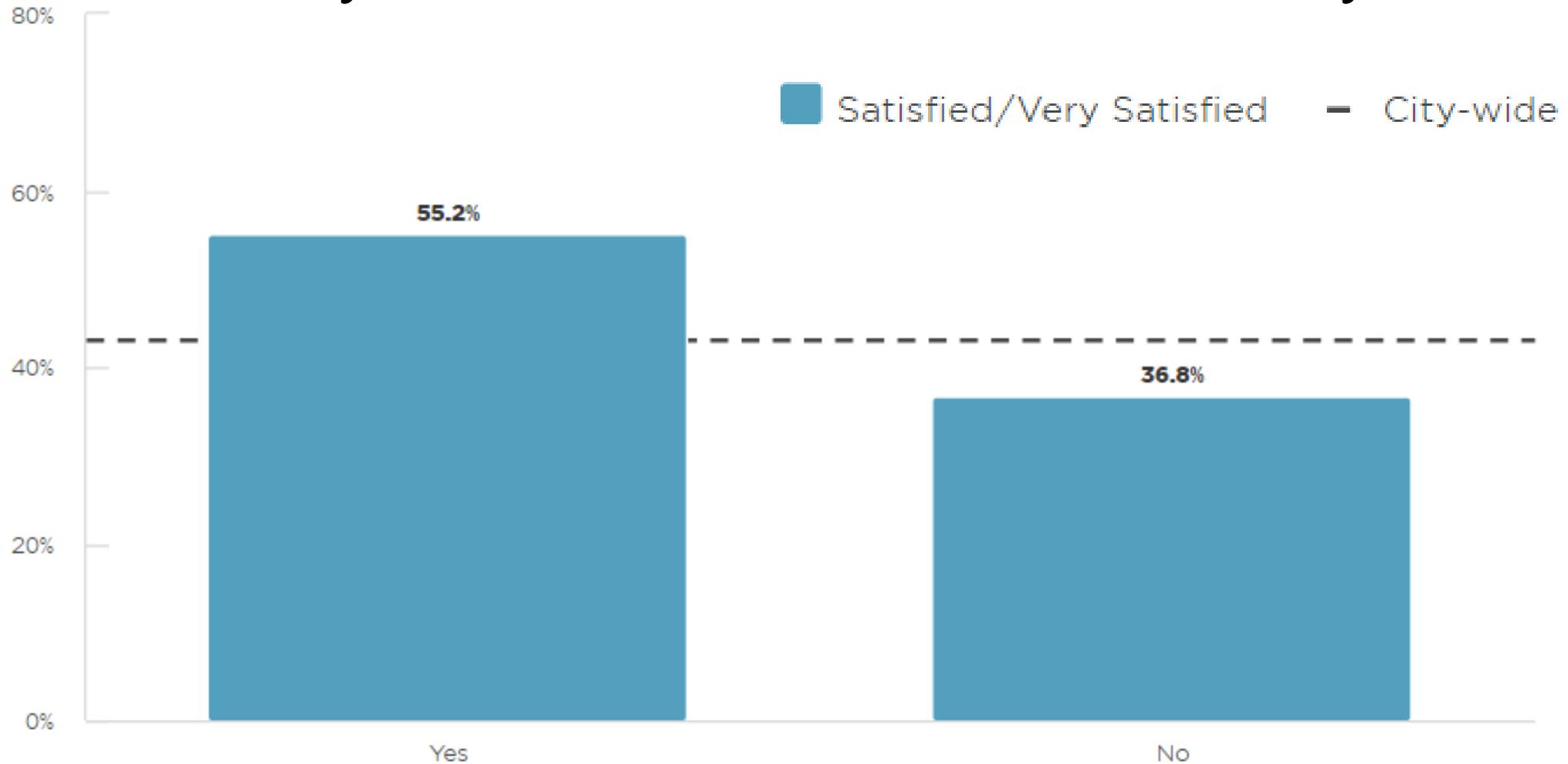
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# FY18 Resident Satisfaction Survey – KCATA Bus System



# FY18 Resident Satisfaction Survey – KCATA Bus System

## % Satisfied by Users/Non-users of KCATA system



Source: ETC Institute

Resident Insights Dashboard: [KCMO.gov/data](https://kcmo.gov/data)

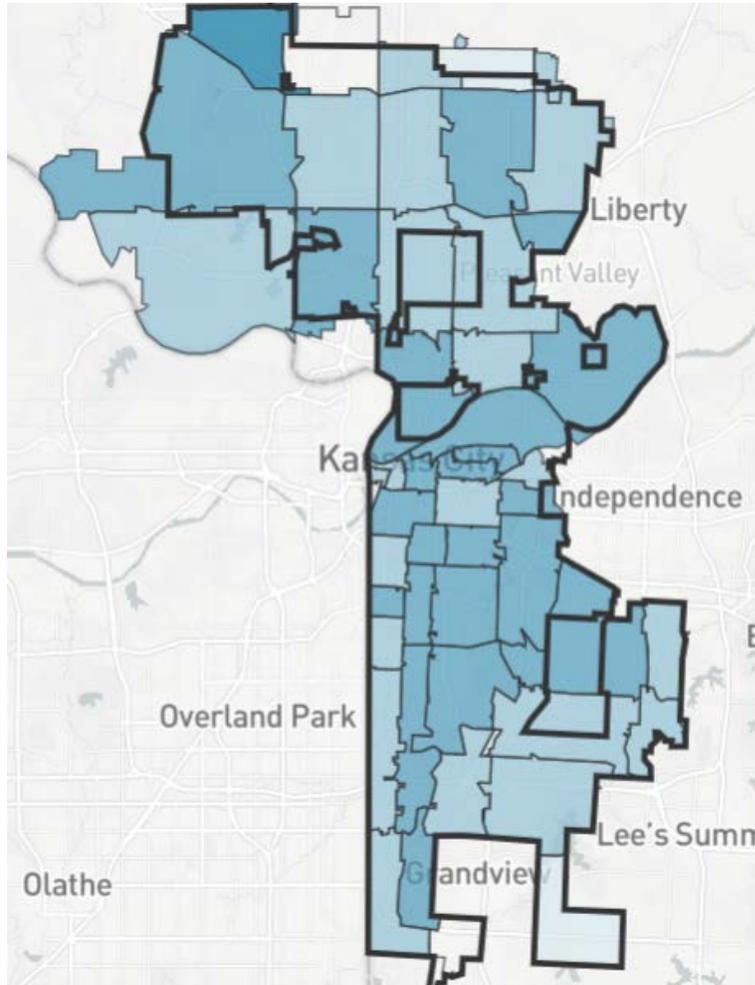
# FY18 Resident Satisfaction Survey – KCATA Bus System

## Satisfaction by Zip Code

 Kansas City, MO

 Satisfied/Very Satisfied

-  0% - 20%
-  20% - 43.24%
-  43.24% - 100%
-  100% - 100%

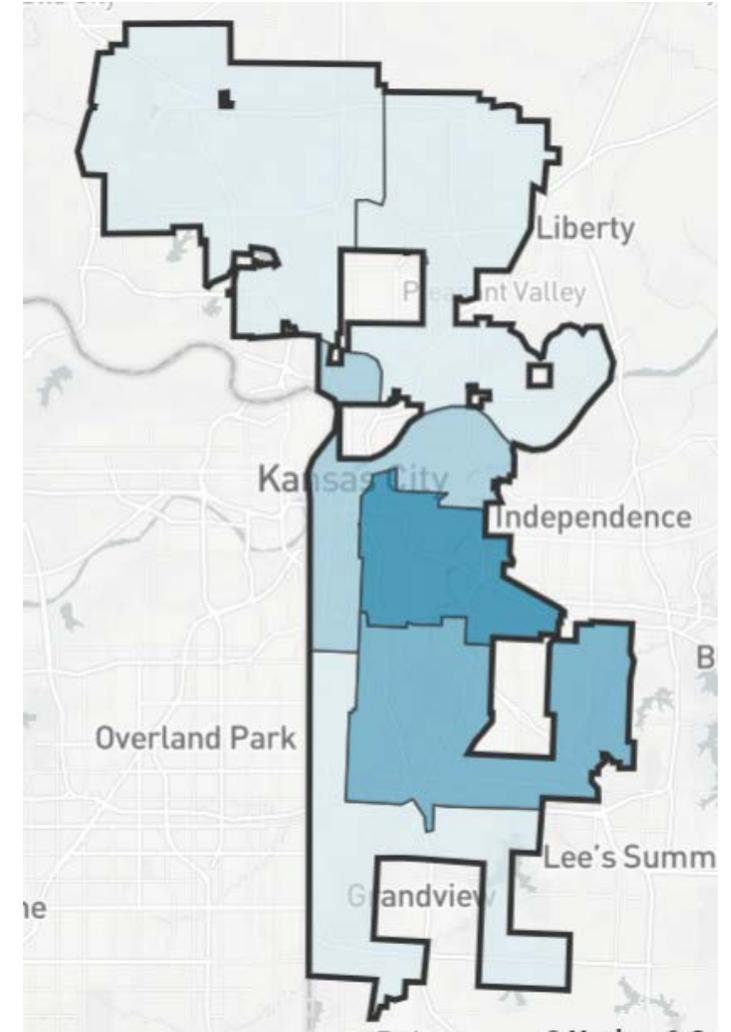


## Satisfaction by Council District

 Kansas City, MO

 Satisfied/Very Satisfied

-  38.81% - 42.38%
-  42.38% - 44.57%
-  44.57% - 54.19%
-  54.19% - 54.19%



Source: ETC Institute

Resident Insights Dashboard: [KCMO.gov/data](https://kcmo.gov/data)

# KCATA Drives More than Buses

- Mobility as a Service (MaaS)
- TOD & Prospect MAX
- Streetcar Coordination
- Northland / North Oak
- Independence Ave.



# Innovative Mobility Solutions

- 2017 Regional Transit Ridership
  - 16 Million Trips
- Over 293,000 RideKC Freedom rides in 2017
- Over 39,000 Freedom On-Demand rides so far this year
- Over 1.3 million Veteran rides
- Expanded Pass Programs
- Expanded Access to Jobs
- New Liaison for Persons with Disabilities



# Prospect MAX

Construction Underway

- 12<sup>th</sup> & Grand
- Petticoat & Main

Corridor-wide Construction  
This Fall

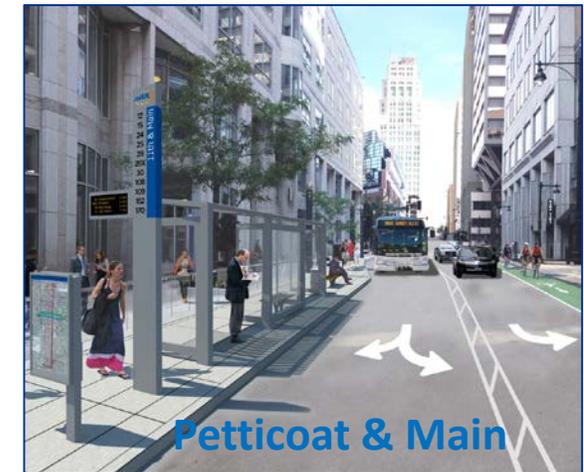
Prospect MAX Facebook  
Group

**Service Begins December 2019**

East Village Transit Center



12<sup>th</sup> & Grand



Petticoat & Main

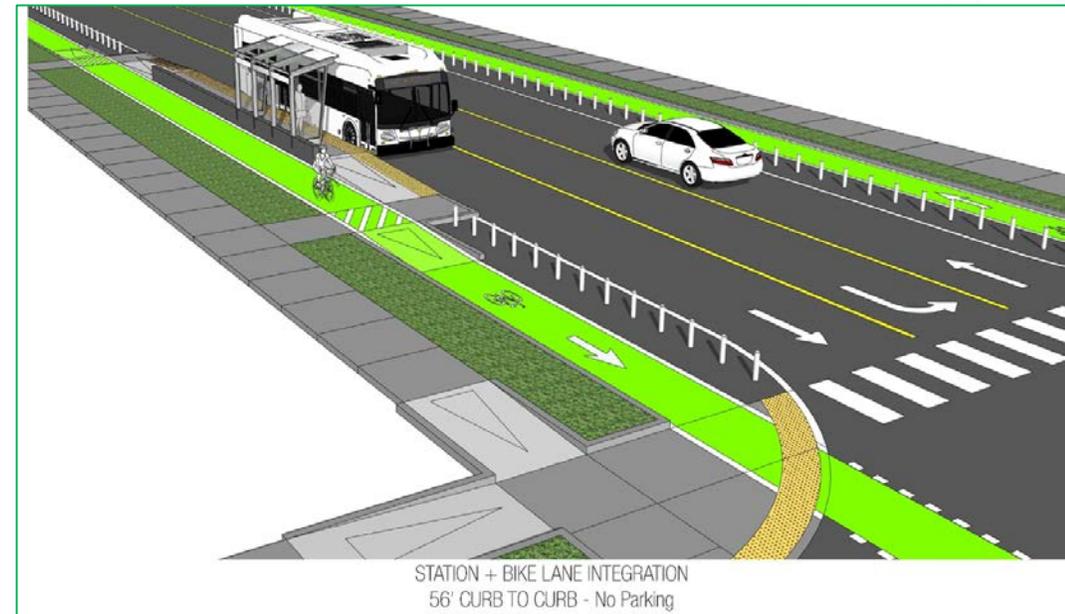
# Independence Ave. BRT Study Downtown KCMO to Independence



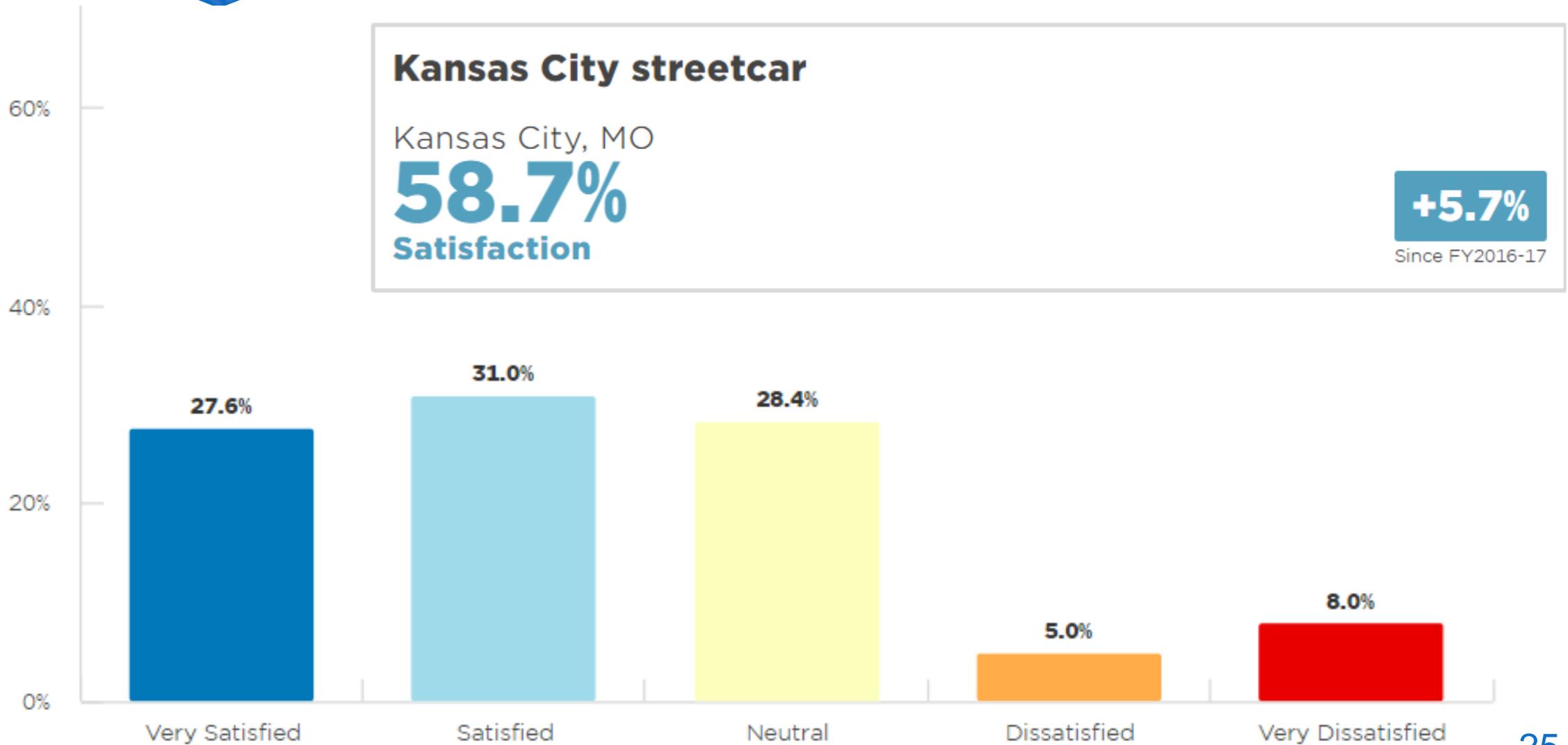
# Independence Ave. BRT Study – Project Status

- Complete Current Study: 4<sup>th</sup> Qtr. 2018
- Preliminary Designs & Estimates: 2019
- Federal Project Development: 2019
- Federal Funding: 2020
- Design & Construction: TBD

Theme  
Development



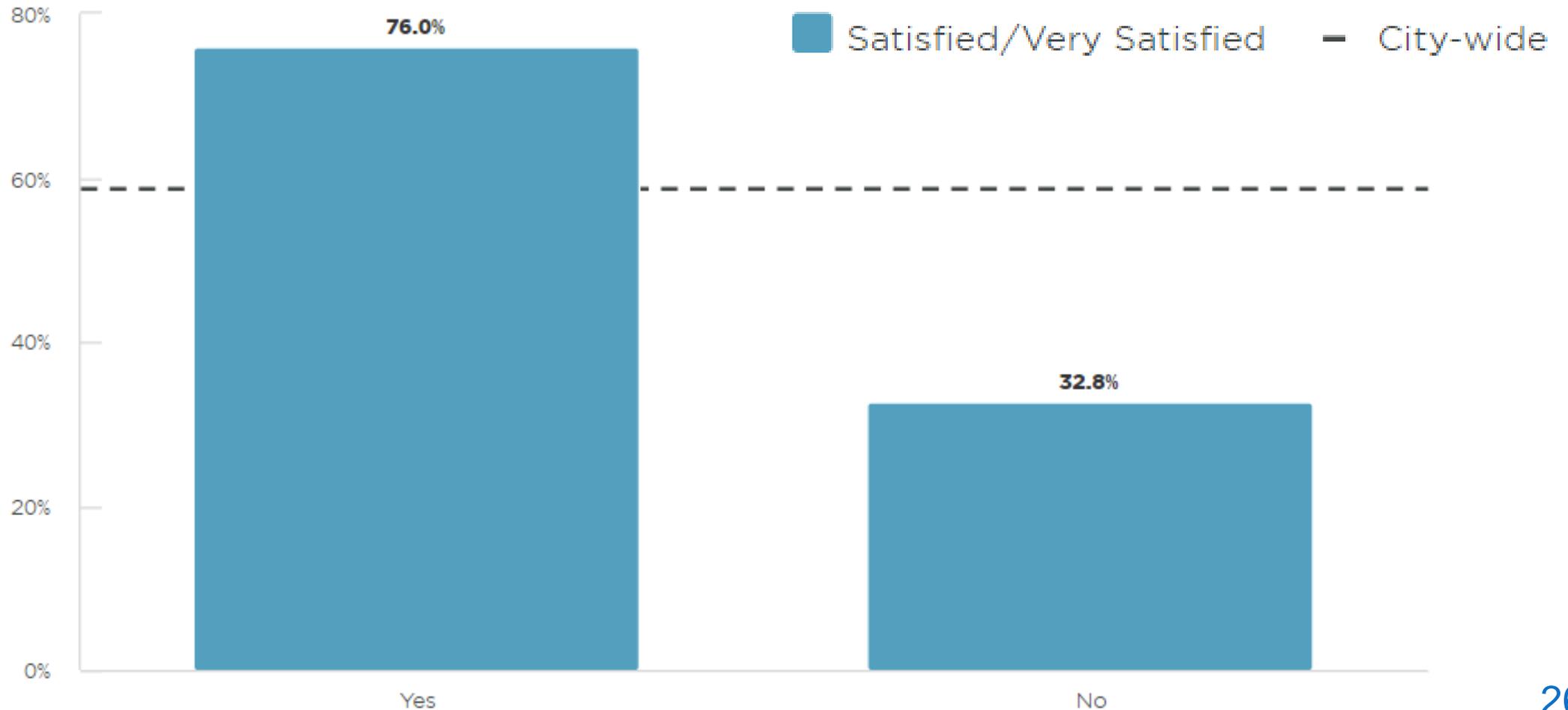
# FY18 Resident Satisfaction Survey - Streetcar



Source: ETC Institute

# FY18 Resident Satisfaction Survey - Streetcar

## % Satisfied by Users/Non-users of the Streetcar



# FY18 Resident Satisfaction Survey - Streetcar

## Satisfaction by Zip Code

 Kansas City, MO

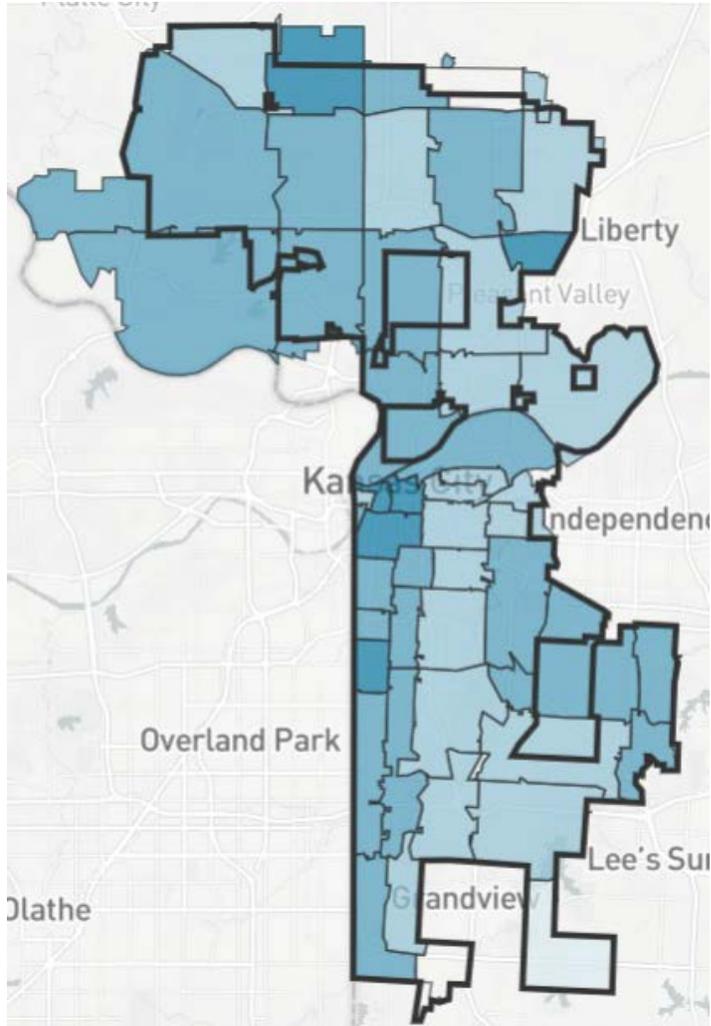
 Satisfied/Very Satisfied

 0% - 30%

 30% - 55%

 55% - 73.53%

 73.53% - 100%



## Satisfaction by Council District

 Kansas City, MO

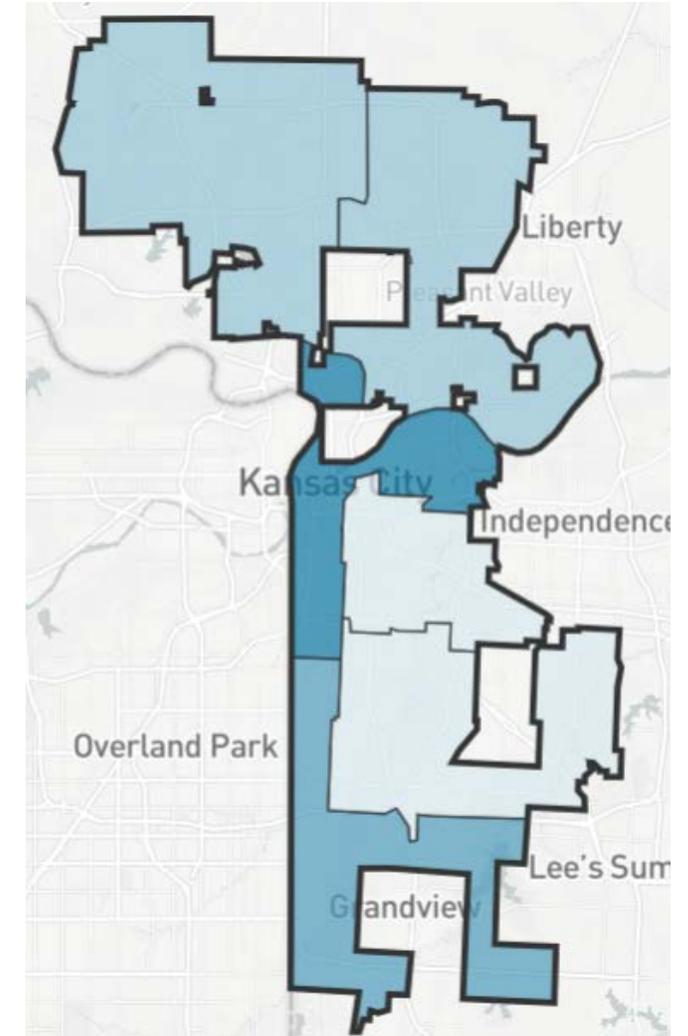
 Satisfied/Very Satisfied

 48.27% - 55.38%

 55.38% - 62.68%

 62.68% - 68.72%

 68.72% - 68.72%



Source: ETC Institute

Resident Insights Dashboard: [KCMO.gov/data](https://kcmo.gov/data)

# STREETCAR RIDERSHIP FACTS AS OF 8.20.18

TOTAL RIDERSHIP:  
**4,850,806**

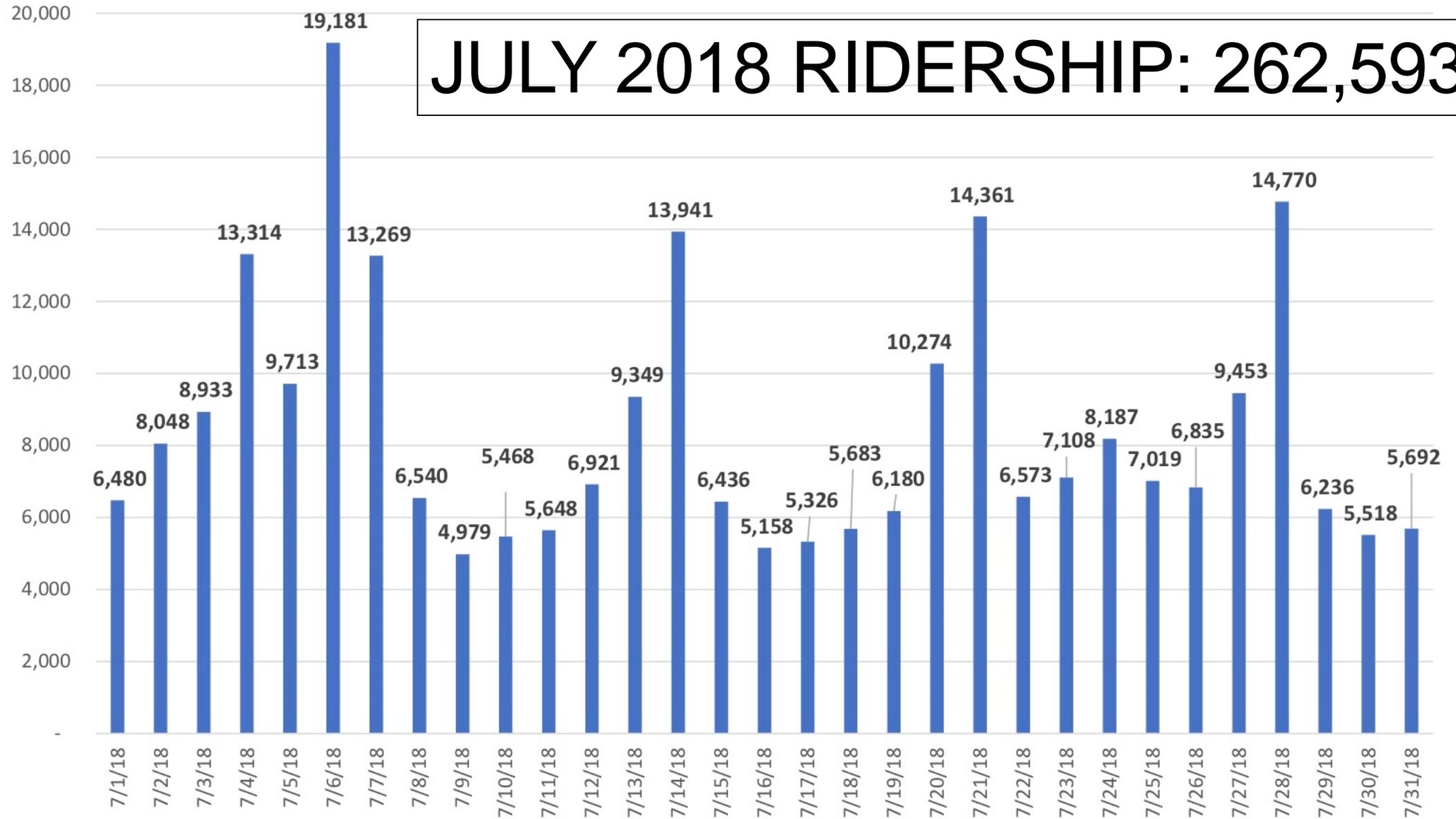
TOTAL RIDERSHIP IN  
2018: **1,391,326**

\*DAILY AVG RIDERSHIP  
2018: **6,023**

\*Projected Daily Average Ridership was  
2,700



# JULY 2018 RIDERSHIP: 262,593



# JULY 2018 RIDERSHIP STATS

Total Weekday	Average Weekday	Total Saturday	Average Saturday	Total Sunday	Average Sunday
173,987	7,909	56,341	14,085	32,265	6,453

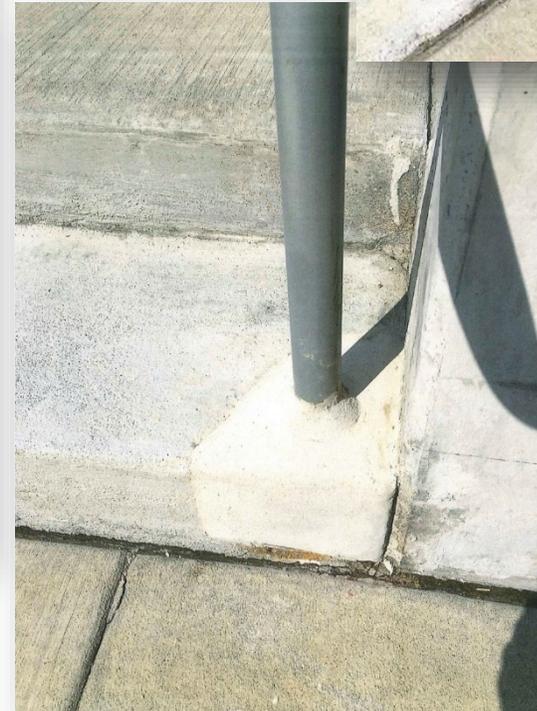
Total Schedule Hours of Service	Actual Hours of Service	Total Scheduled Vehicle Revenue Hours	Actual Vehicle Revenue Hours	Vehicles in Operation in Annual Max. Service	Number of Days in Service	Percentage of Actual Revenue Hours to Schedule Revenue Hours
559	559	1,677	1,652.8	4	31	98.56%

# OPERATIONS + MAINTENANCE

- 6-vehicle Operations Plan Approved
- Replacement of electrical panels on all streetcar stops
- Track slab repairs
- Handrail repairs
- Vehicle Inspection Calendar
- Real time arrival sign upgrades



# ROUTE MAINTENANCE



# VEHICLE MAINTENANCE

## Vehicle Preventive Maintenance and Inspection Log: 15/30 Day Interval

CAF #	Inspection	801				802				803				804			
		Target Date	Insp Date	Mileage	DSLI	Target Date	Insp Date	Mileage	DSLI	Target Date	Insp Date	Mileage	DSLI	Target Date	Insp Date	Mileage	DSLI
1S	15 day	09/07/17	09/06/17	45,573	14	09/06/17	09/04/17	45,529	13	09/05/17	09/04/17	44,680	14	09/03/17	09/03/17	43,445	15
2xIS	30 day	09/22/17	09/21/17	45,815	15	09/21/17	09/19/17	47,193	15	09/20/17	09/18/17	46,249	14	09/18/17	09/18/17	45,109	15
1S	15 day	10/07/17	10/03/17	46,344	12	10/03/17	10/03/17	48,433	14	10/02/17	10/02/17	47,727	14	10/01/17	10/01/17	46,670	13
2xIS	30 day	10/22/17	10/20/17	48,116	17	10/18/17	10/18/17	49,368	15	10/17/17	10/16/17	49,086	14	10/16/17	10/16/17	48,055	15
1S	15 day	11/06/17	11/06/17	49,332	17	11/02/17	11/02/17	51,192	15	11/01/17	11/01/17	50,707	16	10/31/17	10/31/17	49,384	15
2xIS	30 day	11/21/17	11/21/17	50,743	15	11/17/17	11/17/17	52,580	15	11/16/17	11/16/17	51,441	15	11/15/17	11/15/17	51,230	15
1S	15 day	12/06/17	12/06/17	52,519	15	12/02/17	12/02/17	53,613	15	12/01/17	12/01/17	52,464	15	11/30/17	11/30/17	52,872	15
2xIS	30 day	12/21/17	12/21/17	53,990	15	12/17/17	12/17/17	54,720	15	12/16/17	12/16/17	53,973	15	12/15/17	12/15/17	54,339	15
1S	15 day	01/05/18	01/05/18	55,134	15	01/01/18	01/01/18	55,911	15	12/31/17	12/31/17	55,188	15	12/30/17	12/30/17	55,836	15
2xIS	30 day	01/20/18	01/19/18	56,680	14	01/16/18	01/15/18	56,983	14	01/15/18	01/14/18	56,098	14	01/14/18	01/13/18	57,188	14
1S	15 day	02/03/18	02/03/18	57,857	15	01/30/18	01/30/18	58,274	15	01/29/18	01/29/18	57,560	15	01/28/18	01/28/18	58,798	15
2xIS	30 day	02/18/18	02/18/18	59,403	15	02/14/18	02/14/18	59,719	15	02/13/18	02/13/18	58,907	15	02/12/18	02/12/18	60,047	15
1S	15 day	03/05/18	03/05/18	60,510	15	03/01/18	03/01/18	61,154	15	02/28/18	02/28/18	60,465	15	02/27/18	02/27/18	61,263	15
2xIS	30 day	03/20/18	03/20/18	62,006	15	03/16/18	03/16/18	62,833	15	03/15/18	03/15/18	62,246	15	03/14/18	03/14/18	62,102	15
1S	15 day	04/04/18	04/04/18	63,373	15	03/31/18	03/31/18	64,637	15	03/30/18	03/30/18	63,267	15	03/29/18	03/29/18	63,832	15
2xIS	30 day	04/19/18	04/20/18	64,750	16	04/15/18	04/16/18	66,201	16	04/14/18	04/15/18	64,988	16	04/13/18	04/13/18	65,271	15
1S	15 day	05/05/18	05/04/18	66,231	14	05/01/18	05/01/18	67,955	15	04/30/18	04/28/18	66,460	13	04/28/18	04/29/18	66,607	16
2xIS	30 day	05/19/18	05/19/18	67,704	15	05/16/18	05/16/18	69,492	15	05/13/18	05/13/18	67,703	15	05/14/18	05/14/18	68,177	15
1S	15 day	06/03/18	06/03/18	69,235	15	05/31/18	05/31/18	71,165	15	05/28/18	05/28/18	68,343	15	05/29/18	05/29/18	69,883	15
2xIS	30 day	06/18/18	06/18/18	70,890	15	06/15/18	06/15/18	72,428	15	06/12/18	06/12/18	69,978	15	06/13/18	06/13/18	71,322	15
1S	15 day	07/03/18	07/03/18	72,522	15	06/30/18	06/29/18	74,100	14	06/27/18	06/28/18	71,614	16	06/28/18	06/27/18	72,443	14
2xIS	30 day	07/18/18	07/18/18	74,124	15	07/15/18	07/15/18	75,776	15	07/13/18	07/13/18	73,334	15	07/12/18	07/12/18	73,350	16
1S	15 day	08/02/18	08/02/18	75,789	15	07/30/18	07/29/18	76,843	14	07/28/18	07/28/18	74,578	15	07/27/18	07/27/18	75,024	15
2xIS	30 day	08/17/18	08/17/18	77,506	15	08/14/18	08/13/18	77,894	14	08/12/18	08/12/18	76,306	15	08/11/18	08/11/18	76,552	15
1S	15 day	09/01/18				08/28/18				08/27/18				08/26/18			

Legend		
DSLI	Days Since Last Inspection	
13 - 17 days	On-time Inspection	98.8%
less than 13 days	Early Inspection	1.2%
more than 17 days	Late Inspection	0%
no inspection	Missed Inspection	0%
	Scheduled Inspection	0%

**98.8%** On Time  
**1.2%** Early  
**0%** Late

# EXPANSION: RIVERFRONT EXTENSION

- NTP on 30% Design Work
- Environmental / NEPA nearly complete
- Finalizing Design Ped/Bike Bridge connections
- Finalizing Financial Strategy (pending BUILD grant)



# MAIN STREET EXTENSION: BEST LANE ANALYSIS



Outside

Example:  
43<sup>rd</sup> Street



Center

# MAIN STREET EXTENSION: OUTSIDE RUNNING

The primary factors that led to the selection of outside-running include the following:

- Pedestrian Needs
- Business Access
- Turn Restrictions
- Bus Integration
- On-Street Parking/Loading
- Consistency

Full technical report located on the website: <http://kcstreetcar.org/about-streetcar/mainstreet-extension/>



RideKC  STREETCAR™

HDR



# MAIN STREET EXTENSION: NEXT STEPS

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- Complete Cost Estimates
- Advance rating request from to FTA for grant funding
- Advance NEPA / Environmental Review
  - Complete Funding Strategy: Authorize amendments to agreements as necessary to support next phase Project Development (NEPA)
- Complete Project Development – Dec. 2019

# SOCIAL MEDIA STATS

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## August 2018 @KCStreetcar

Instagram: [7,874](#) Followers

Twitter: [15.7 K](#) Followers

Facebook: [12,741](#) Followers

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## *Closest Streetcar City Comparisons*

### QLine Detroit Streetcar

[@qlinedetroit](#)

Instagram: [3,649](#) Followers

Facebook: [7,492](#) Likes

### Washington D.C. Streetcar

[@DCStreetcar](#)

Twitter: [8,413](#) Followers



# Strategy C

Develop a plan to enhance pedestrian connectivity through sidewalk repair, replacement, and gap removal, in conjunction with GO KC bond funding.  
(Public Works)

# Sidewalk Project Plan and Progress

Began with 1,471 locations from 311 request backlog (received prior to December 31, 2016).

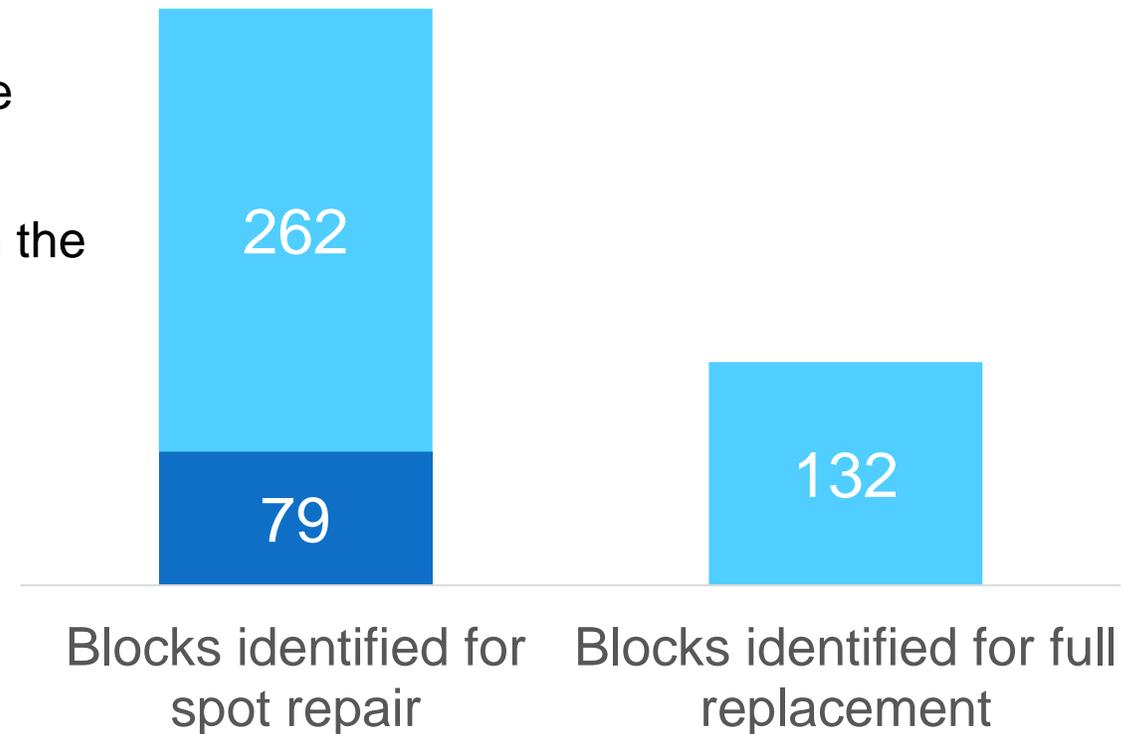
Full block inspections have been done for approximately 75% of the locations, and identified two types of conditions:

- Blocks where spot repair would be pursued for the full block due to overall good or fair conditions
- Blocks where full replacement is recommended in the future due to overall poor condition

The City issued an RFP for inspections to assist in completing the systematic inspections and is pursuing contracts with three engineering design firms.

Blocks identified for sidewalk repair through 311 request backlog

■ Project underway ■ Future projects



CITY OF  
KANSAS CITY,  
MISSOURI

# Curb Ramps

Projects Underway

- **117 corners** were completed by March 2018
- **120 corners** began in August 2018

Remaining Volume

- **1,830 unramped corners** remain to be reconstructed
- Estimated timeframe for completion is 4 years

# Sidewalk Repair Requests

	Backlog Requests (Prior to 12/31/16)	Spot Repair - Blocks Underway (Year 1 GO Bond)	Spot Repair - Blocks Remaining	Blocks Identified for Future Replacement
North of the river	232		111	11
River to 39 <sup>th</sup> Street	502	32	38	67
39 <sup>th</sup> Street to 85 <sup>th</sup> Street	653	47	74	52
South of 85 <sup>th</sup> Street	84		39	2

# Sidewalk Repair Progress: Year 1

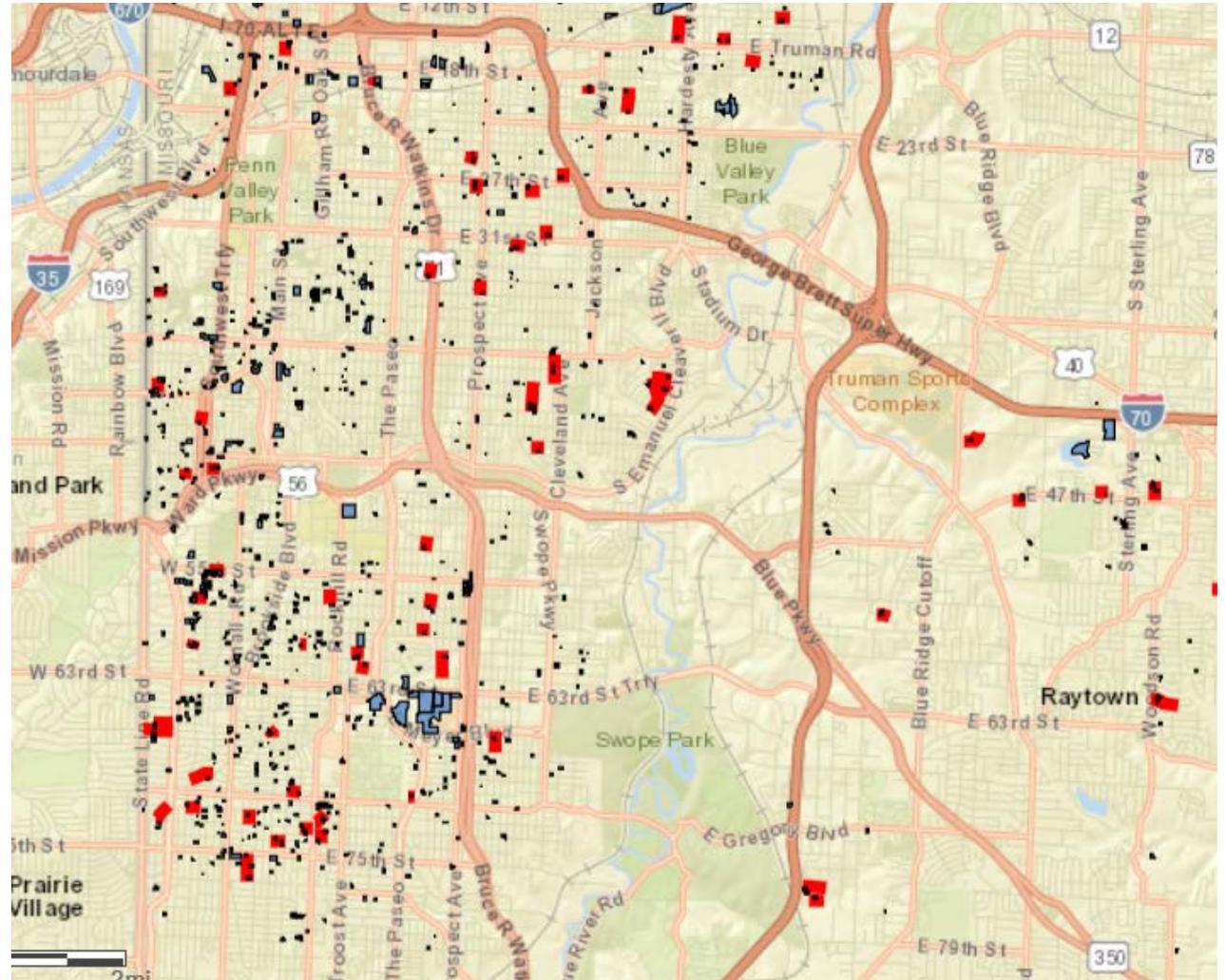
Track the progress of current backlogged spot repairs at:  
[KCMO.gov/sidewalks](https://kcmo.gov/sidewalks)

Legend

Sidewalk\_Backlog



GO Bond Year 1



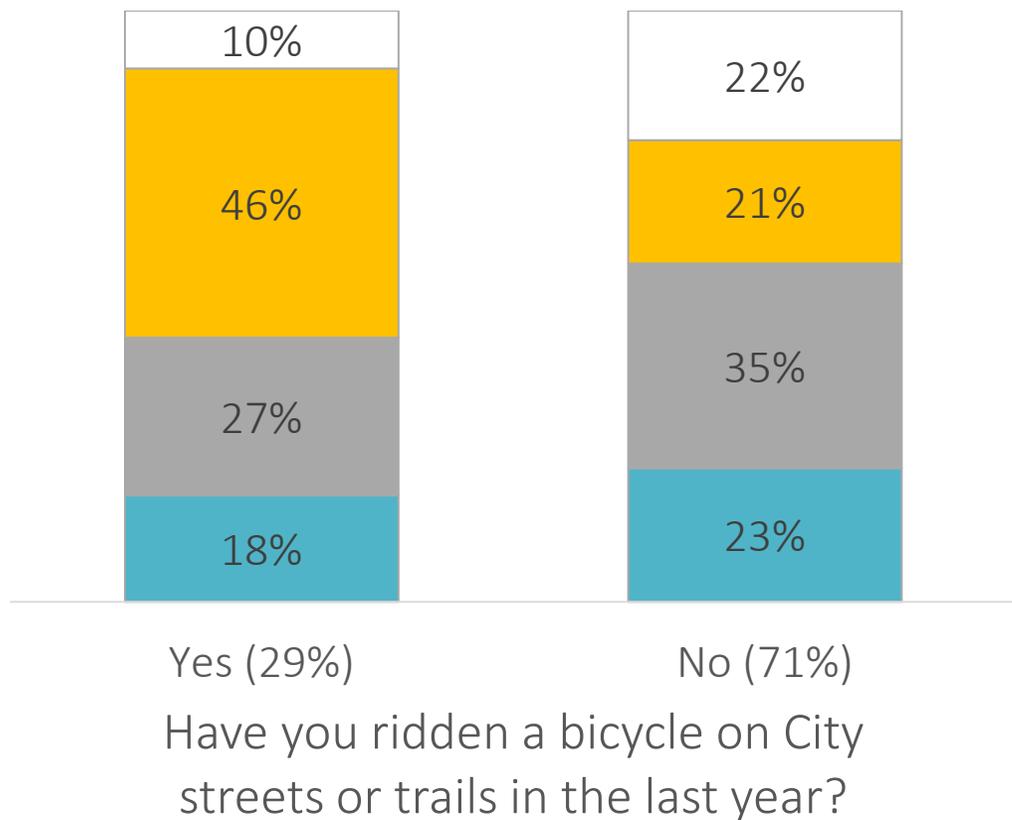
# Strategy D

Update and implement the  
Bike KC Trails Plan.  
(Office of the City Manager)

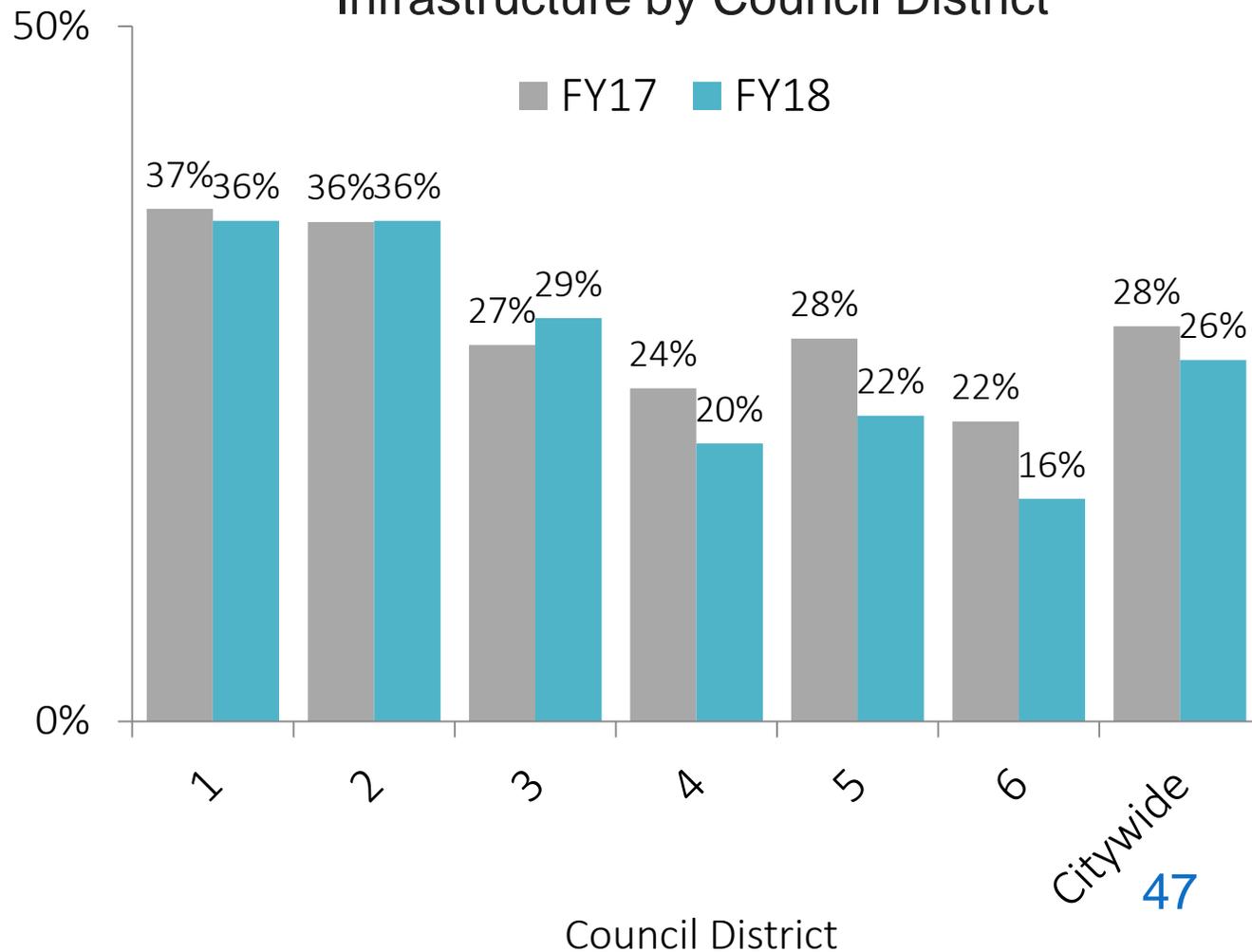
# Resident Satisfaction with On-Street Bike Infrastructure

## Satisfaction with On-Street Bike Infrastructure by Bike Ridership

■ Satisfied ■ Neutral ■ Dissatisfied □ Don't Know



## Satisfaction with On-Street Bike Infrastructure by Council District



# Bicycle Master Plan

## Plan Vision Statement:

Kansas City is a vibrant community where all modes of transportation, including the bicycle, are valid, equalizing, and supported. All users are safely accommodated on well-connected networks to destinations which facilitate a culture of cycling and access to economic development opportunities.



# Bicycle Master Plan

## Progress Achieved

- Full content drafted & reviewed by staff
- Presented draft content to Parks Staff DRC & Parks Pre-Board
- Updates made based on feedback
- Adjusted implementation plan to include receipt of new PSP grants & status of current Public Works projects
- Incorporated information about shared active transportation devices as it relates to implementation
- Draft sent to communications for design

## Steps to Adoption

- Review full draft with steering committee
- Schedule public open houses
- Receive approvals from BPAC & Parks Board
- Schedule CPC hearing
- Council committee & full council
- Aim for final adoption around Thanksgiving



# Bicycle Master Plan Highlights

## Plan Highlights

- Anchored by [5-Year Implementation](#) approach
- Recommendations based on high-level analysis (roadway conditions, land use, etc.) & public input – each individual project will be evaluated on an individual basis based on ROW constraints and community input
- Planning level cost estimates include various build-out scenarios
- Oversight & responsibility of plan includes formalization of [two Bike Programs Coordinators](#) (Infrastructure; Planning & Programs) & Core Work Team
- Discusses [new funding strategies](#), including in-lieu fee program, corporate/philanthropic partnerships, & shared active transportation device revenue
- Provides comprehensive [overview of needed policies & programs](#) to pursue to support a bicycle friendly community



# Bicycle Master Plan

Draft updated Bike KC network:

## 2018 Bike KC Master Plan – ~ 658 total centerline miles

- Based on analysis, public feedback, & project goals

## Major Separation – 386 centerline miles

- Physical barrier separating bicyclists from moving vehicles

## Minor Separation – 157 centerline miles

- Conventional or painted buffered bike lanes

## Shared Streets – 115 centerline miles

- Calm local streets or bike boulevard candidates

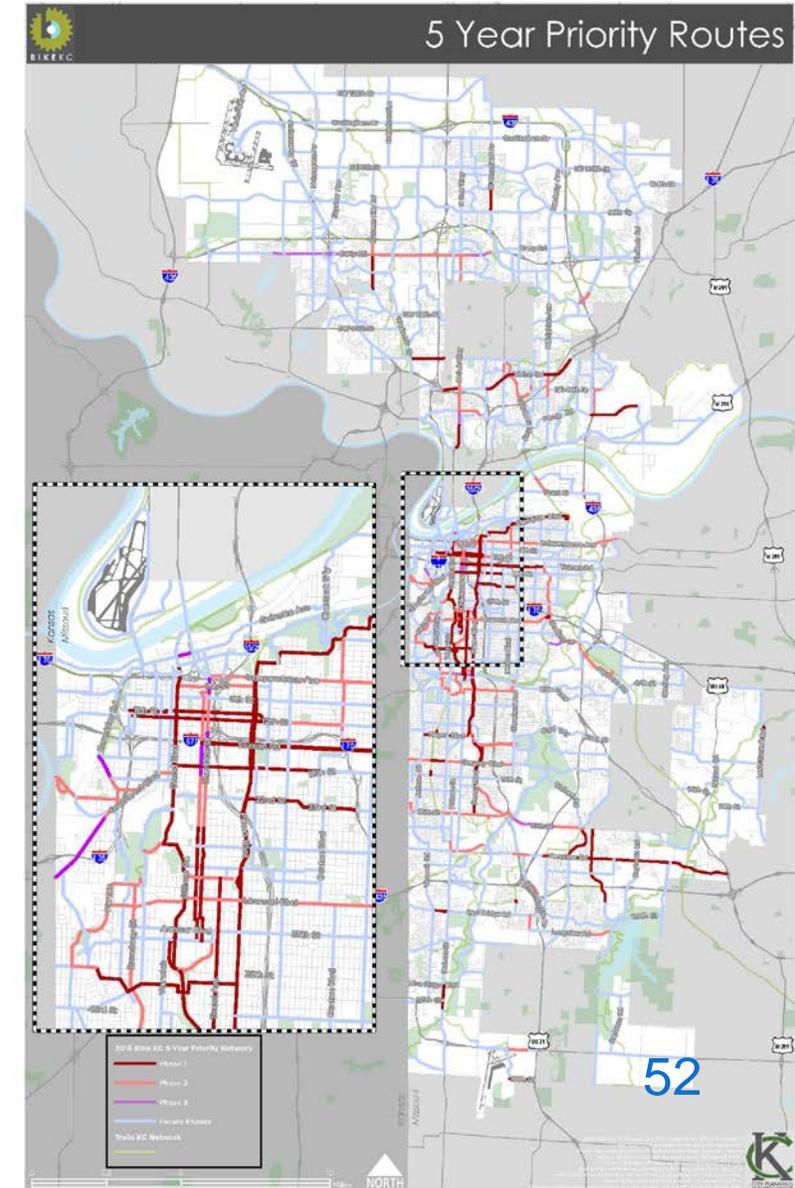


# Bicycle Master Plan

## 5-Year Implementation Plan

- Re-evaluate & update Bike KC plan every 5 years
- Approximately **135 centerline miles** of system to prioritize analysis and implementation identified
- Three phases/scenarios:
  - Phase 1:**
    - Includes projects currently under study or planned (PSP projects, GO Bond projects, etc.)
  - Phase 2:**
    - Includes key linkages in the system/needed connections
  - Phase 3:**
    - Upgrades to existing infrastructure that are needed

Source: City Planning & Development Department



DRAFT  
Implementation  
Plan

# Shared Active Transportation

## Shared Active Transportation

- Created Interim Operating Agreement & have signed with two vendors (Bird, Lime)
- Staff group working on creating more long-term pilot program

### Bird Scooters

Bird has been in operation since mid-July and has reported:

- Approved for up to **350** scooters
- **21,983** unique riders
- **68,625** rides
- Over **102,000** miles ridden

### Lime Scooters

Lime Bikes launched on **Tuesday, September 11<sup>th</sup>** with **250** vehicles.



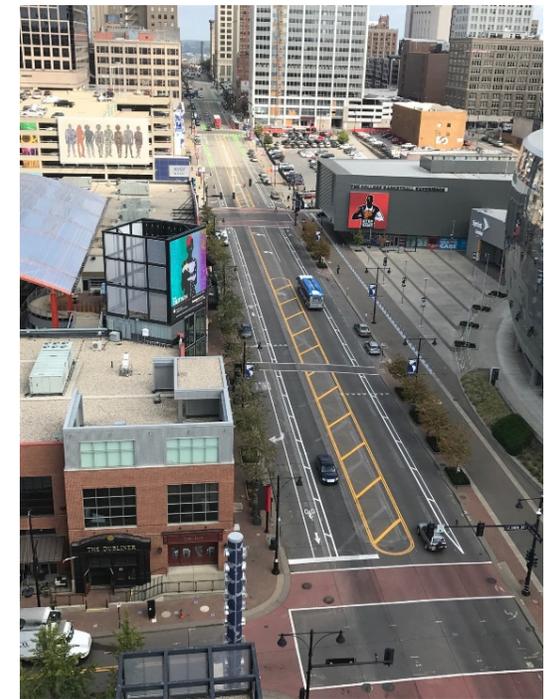
# Public Works Bike Projects: Completed and Upcoming

Projects completed in 2017:

- Bike lanes: 1.9 miles
- Trails: 2.6 miles

Projects to be completed in 2018:

- Protected bike lanes: 1.25 miles
- Bike lanes: 5.75 miles (2.75 miles by resurfacing road diet)
- Bike boulevard/sharrows: 4.9 miles
- Trails: 1.9 miles



# Parks & Recreation Bike Trails

## Trail Segments **Completed**

- Brush Creek Confluence - .6 miles

## Trail Segments **In Construction**

- North Troost Trail – 1.1 miles
- Lakewood Greenway Trail - .7 miles

## Trail in Planning Stage **Funded**

- Swope Park Connector Trail – 1.3 miles
- Martha Truman Connector Trail - .8 miles
- Trolley Connector Phase III - .7 miles
- Chouteau and I-35 Crossing -.2 miles



New Retaining Wall to Create Space for Multi-Use Trail

*Chouteau at I-35*



*North Troost Trail – Englewood Park*



*Brush Creek Confluence Trail*



*Lakewood Greenway Trail*

## **Objective 2:**

**Develop environmentally sound and sustainable infrastructure strategies.**

# Sustainable Infrastructure Objective Metrics

Measures of Success	FY16 Actual	FY17 Actual	FY18 Target	FY18 Actual	FY19 Target
Greenhouse gas emissions from municipal operations (Thousand MT CO <sub>2</sub> e) per calendar year	--	--	286	TBD	280
Percent of residents satisfied with the City's stormwater runoff/stormwater management system	39%	39%	41%	34%	41%

# Strategy A

Develop a citywide climate and man-made resiliency plan to safeguard and restore critical City buildings and infrastructure.  
(Office of Environmental Quality)

# KCMO Climate Resilience Plan Development

- Funding for developing a citywide climate resilience plan is potentially available through The Funders' Network, a partnership between the Urban Sustainability Director's Network and several national foundations who are interested in supporting local government sustainability work.
- To receive this funding, a dollar-for-dollar match must be made by a local community-based foundation.
- Efforts to date have not identified a viable local foundation partner. The Chief Environmental Officer will work with the City Manager & Health Department Director to explore a partnership with the Health Care Foundation of Greater Kansas City in time for a 2019 application to develop a local climate resilience plan.

# New American Road Trip

The New American Road Trip will be coming to KC on **Friday, 9/21/18.**

Cross country EV ride across America (SF to NYC), sponsored by a non-profit, Purpose, whose mission is to build & support movements to advance the fight for an open, just, & habitable world using public mobilization and storytelling.

## Goals

- Amplify stories of people & emerging technologies that are rewriting our country's energy future
- Celebrate communities that are leading the way with local government & business collaboration, esp. in the Heartland
- Highlight women's leadership on climate solutions



Source: Matador Network

# Strategy B

Update and implement the City's Climate Protection Plan to include Envision Sustainable practices, the Envision Sustainable Infrastructure Rating System, and other measures. (Office of Environmental Quality)

# Greenhouse Gas Inventory

## What

- OEQ is working on an update to our GHG emissions inventories for municipal operations & citywide for calendar year 2017

## Who

- Partners include our local utilities, MARC, City departments, the Brendle Group (consultant), & other local stakeholders

## When

- The inventory update will be completed & published in Sept 2018

## Why

- Updated GHG emissions data will be crucial in our update to the City's Climate Protection Plan

# Clean Energy Initiatives Feasibility Update

Resolution No. 170586, adopted 8/17/17, called for feasibility evaluation of **10 clean energy initiatives**. A report was provided in March 2018.

Regarding City purchase of **100% of electricity from renewal sources** AND **development of community solar facilities**:

- January 2018, KCP&L submitted a request to MO Public Service Commission for approval of “Renewable Energy Rider” to provide KCMO (& other large energy users in their Missouri service area) **up to 100% of their electricity from renewable energy generation**. KCP&L is currently evaluating potential developers/locations for new 200 MW wind farm.
- KCP&L also submitted a “Solar Subscription Pilot Rider” to provide customers an opportunity to voluntarily subscribe to electricity produced from a community solar installation. Potential sites on City property are being evaluated.
- A positive ruling on from PSC on both items is anticipated by end of 2018.

# Strategy C

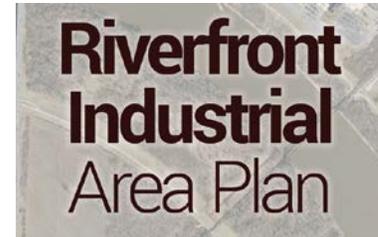
Identify and invest in greenfield areas that capitalize on natural features, promote unique development patterns, build civic space, and promote sustainable design and construction.  
(City Planning and Development)



**Strategy Complete**

# Adopted Plan Recommendations

This Strategy has continued to be a **core guiding principle** of the Department's ongoing Area Plan Process:



Integrate land uses with economic development, transportation, infrastructure, and natural systems

Use the area's natural character as an asset for new development.

As sites are developed /redeveloped, incorporate open spaces, create connections to a multi-modal transportation system and maintain mature vegetation.

Integrate resilient and green infrastructure throughout the area for long-term sustainability

Seek opportunities to create ancillary community benefits with new development and redevelopment projects

Provide a future development framework resulting in predictable development patterns that enhance the natural scenic character of Shoal Creek and integrates development into transportation and natural systems.

# Strategy D

Reduce financial impacts of the City's Smart Sewer Program by proactively working with EPA to adjust the timeline for project completion and proposing additional green infrastructure solutions.  
(Office of the City Manager)

# Third Consent Decree Modification(s)

Monthly meetings with our partners at EPA Region 7 to:

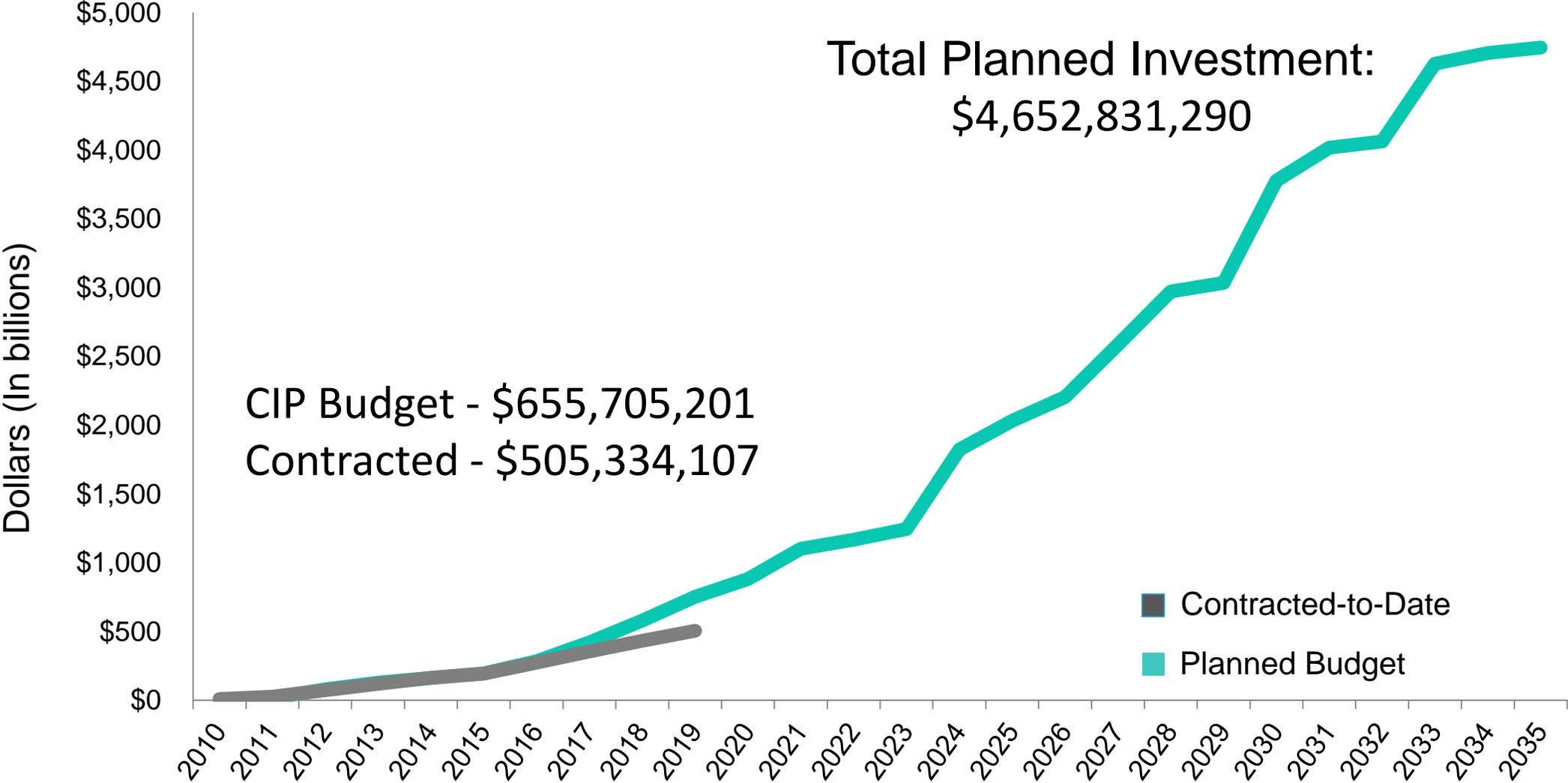
- Reduce the size of future utility rate increases
- Review technology and data use which maximizes the existing sewer system
- Optimize overflow control performance criteria
- Maximize community benefits of by expanding use of Green Infrastructure
- Integrate planned public infrastructure improvements
- Ensure the ability to meet future compliance needs

Estimated agreement date: **January 2019**

# Strategy E

Implement the City's Smart Sewer Program to meet the City's federal consent decree requirements.  
(Office of the City Manager)

# Progress: Sept. 27, 2010-Jun. 30, 2018



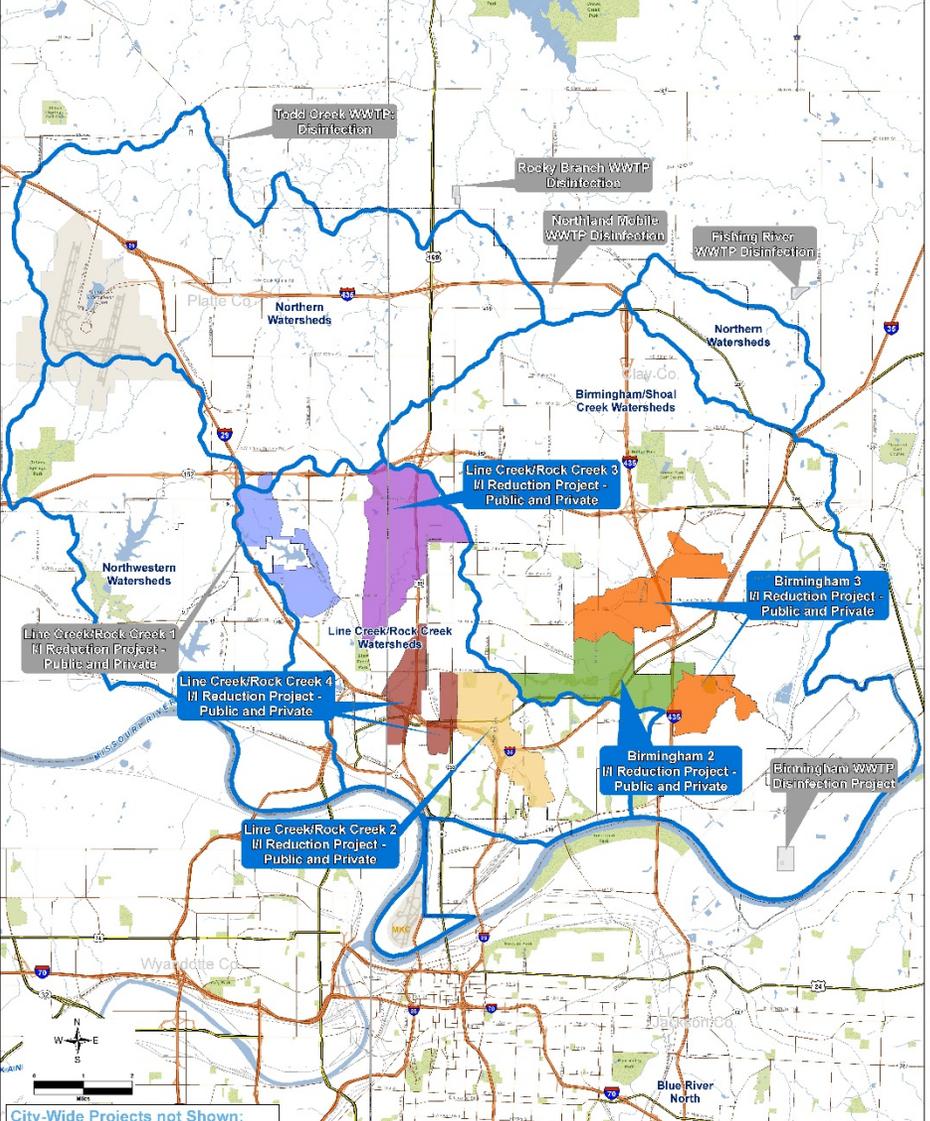
Source: City Manager's Office

# Investment: September 27, 2010- Dec 30, 2017

Programmatic Element	Total # Projects	CIP	Active or Completed Projects	Contracted Amount
Diversion Structure and Sewer Pipe Consolidation	12	\$65,899,058	2	\$26,338,182
Green Infrastructure	7	\$62,846,155	7	\$47,296,991
I/I Reduction	23	\$368,693,604	18	\$84,906,586
Neighborhood Sewer Rehabilitation	7	\$145,186,013	7	\$70,385,741
Pumping and Conveyance	19	\$203,827,242	5	\$44,126,467
Sewer Separation	9	\$85,998,723	4	\$39,038,736
Storage and Conveyance	13	\$2,167,044,440	5	\$24,016,488
Treatment	14	\$990,108,412	8	\$103,439,101
Programmatic Elements	17	\$563,227,644	15	\$65,785,814
<b>TOTAL</b>	<b>121</b>	<b>\$4,652,831,290</b>	<b>71</b>	<b>\$505,334,107</b>

Source: City Manager's Office

# North

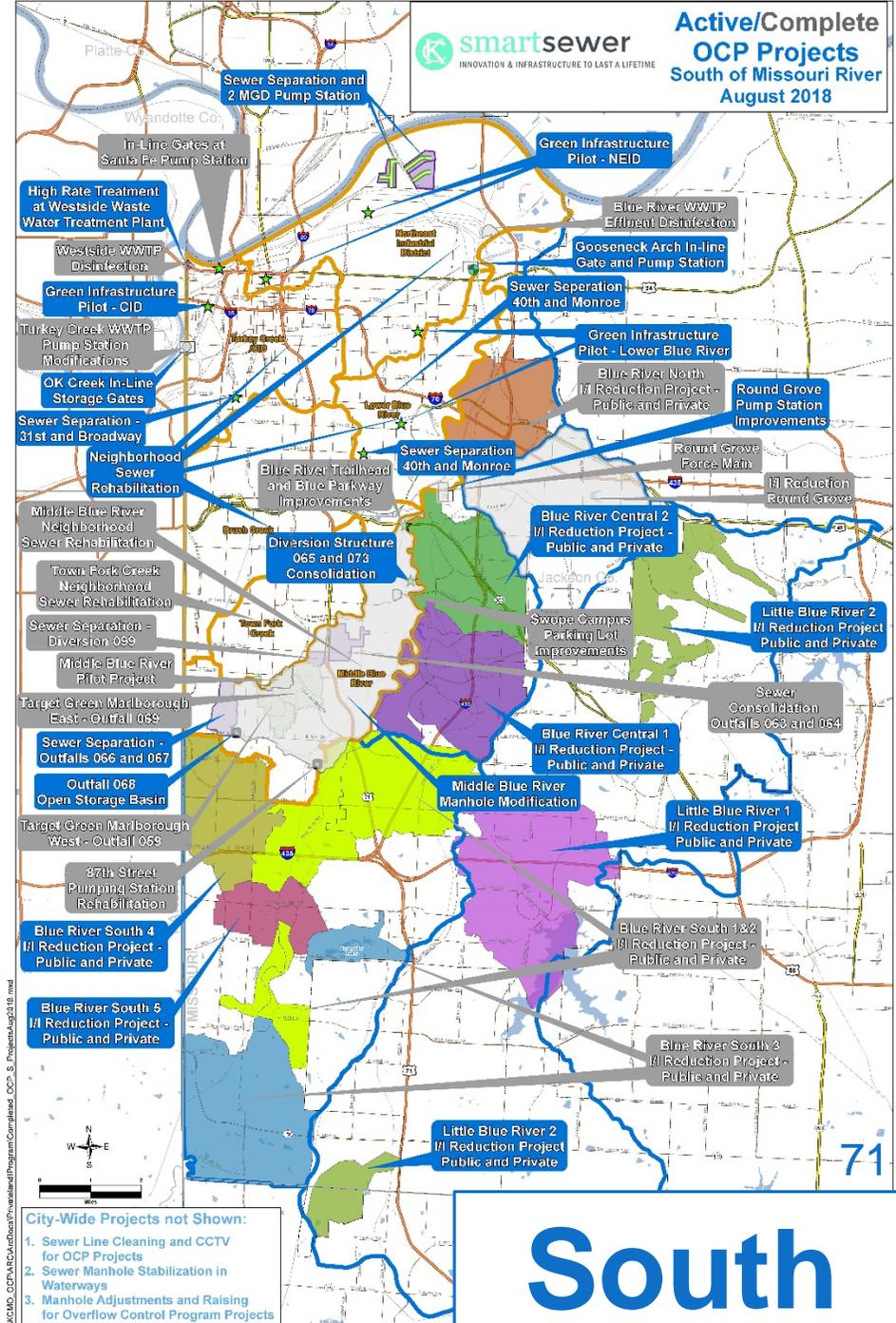


City-Wide Projects not Shown:  
 1. Sewer Line Cleaning and CCTV for OCP Projects  
 2. Sewer Manhole Stabilization in Waterways  
 3. Manhole Adjustments and Raising for Overflow Control Program Projects

Source: City Manager's Office



■ Active Projects  
 ■ Complete Projects



City-Wide Projects not Shown:  
 1. Sewer Line Cleaning and CCTV for OCP Projects  
 2. Sewer Manhole Stabilization in Waterways  
 3. Manhole Adjustments and Raising for Overflow Control Program Projects

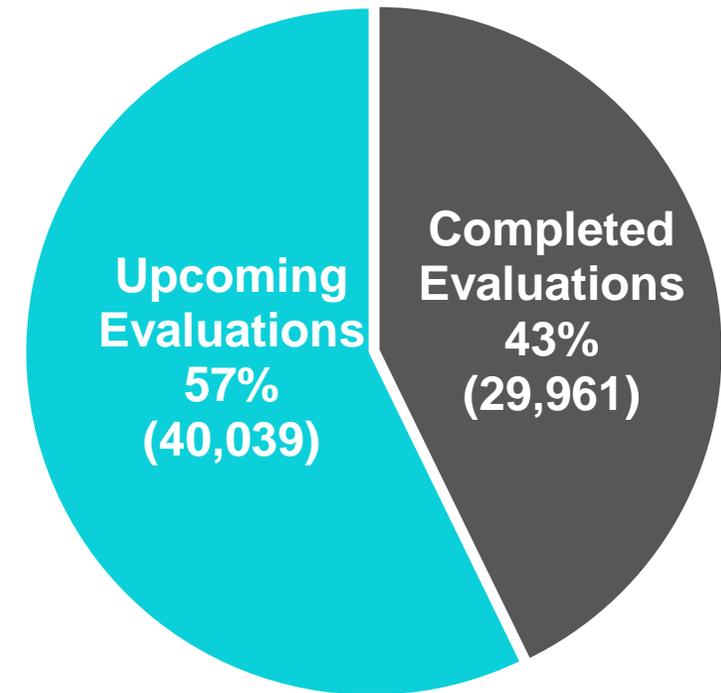
# South

# Keep Out the Rain Data & Results

## April 2016 – August 2018

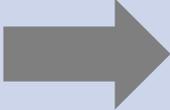


- Data-driven
- 5-year program targets the 'wettest' areas
- Free and voluntary program
- 70,000 eligible properties
- Sources prohibited by City Ordinance
- Custom database provides real-time data



# Keep Out the Rain Data & Results

## April 2016 – July 2018

Measurement	Result	Trend
Customer Satisfaction	99%	
Cost Effectiveness	\$.62/gallon	
Flow Removed (Gallons per Day)	22,221,419	
Savings <i>(\$1.20 vs. \$.62/gallon I/I Removed)</i>	51.6%	
Full Interior/Exterior Participation	58%	
Exterior Participation Only	37%	
Refusals	5%	

# Kansas City Sewer System

## Average Age

71 Years Old

## System Material

54% of system is Vitrified Clay Pipe (VCP)

## System Size

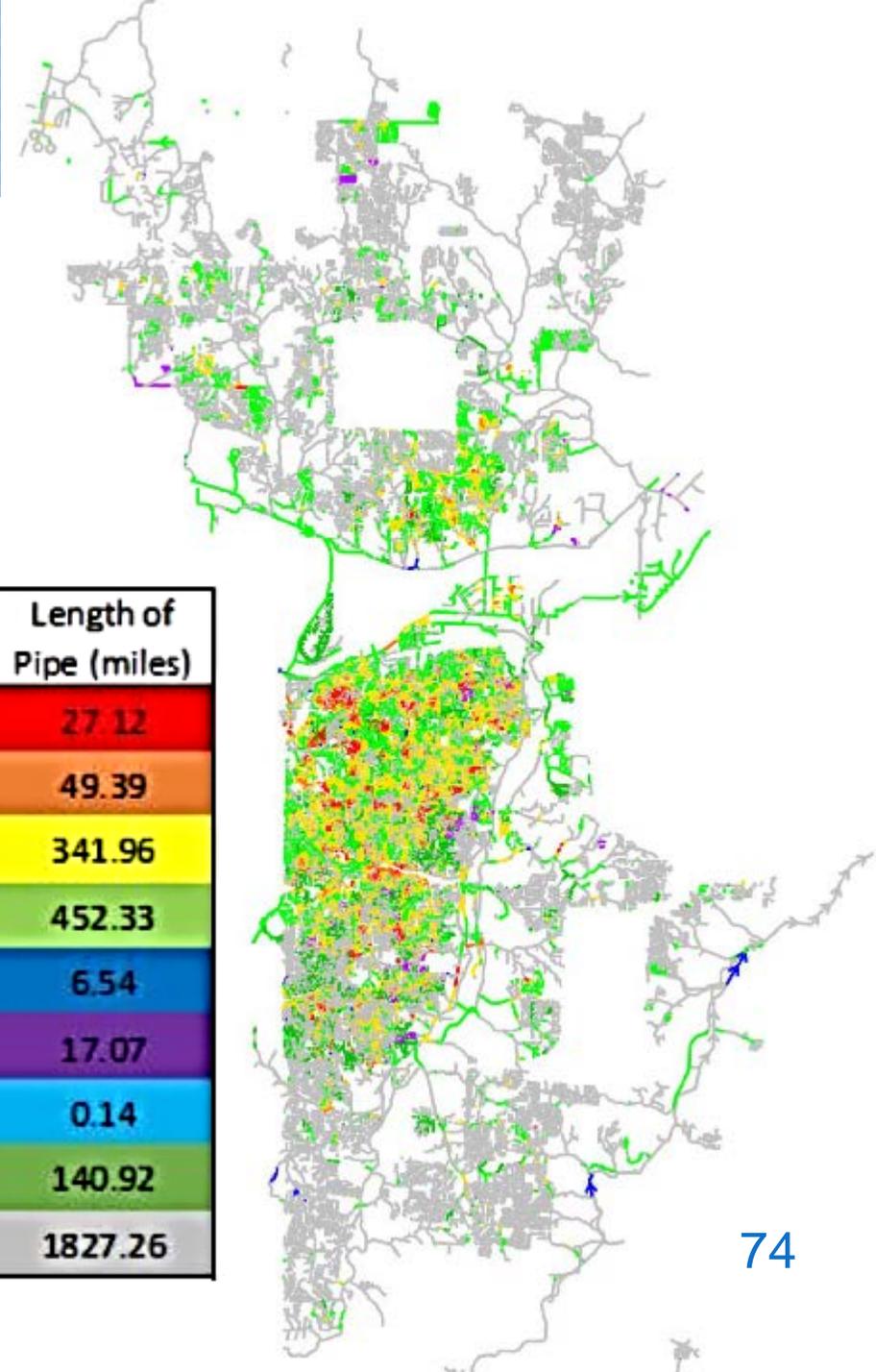
63% of system is comprised of 8" and 10" sewer mains

## Majority of Breaks

71% occur in 8" and 10" sewer mains

67% breaks occur in Vitrified Clay Pipe

Risk Group	Length of Pipe (miles)
A	27.12
B	49.39
C	341.96
D	452.33
E	6.54
F	17.07
G	0.14
H	140.92
Z	1827.26



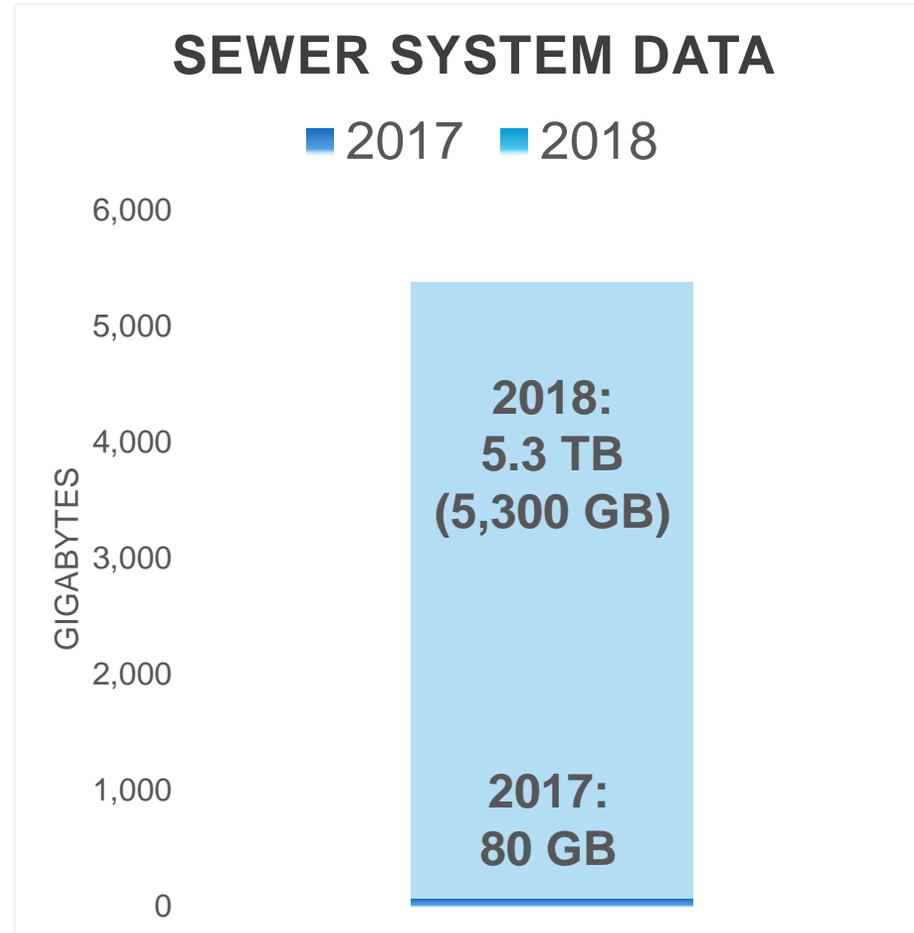
# Sewer Data Summary

## Data Input

2,045 Miles of CCTV  
(48,000 Surveys)

16,000 Visual Pipe  
inspections

34,000 Manhole  
Inspections



Smart Sensors



Chestnut Avenue



Gardner Avenue



# **Objective 3:**

**Engage in efforts to strategically invest in the City's infrastructure.**

# Strategic Infrastructure Objective Metrics

Measures of Success	FY16 Actual	FY17 Actual	FY18 Target	FY18 Actual	FY19 Target
Percent of citizens satisfied with the maintenance of city streets, sidewalks, and infrastructure	26%	25%	32%	23%	32%
Percent of curbs ramped to street surface	--	90%	92%	91%	93%
Percent of bridges rated good or excellent (Bridge Condition Rating)	81%	80%	80%	TBD	80%

# Strategy A

Develop an infrastructure asset management plan that maximizes the useful life of all assets and meets federal requirements.  
(Public Works)

GO KC

---

Streets

---

Bridges

---

Parks' Facilities

---

Trees

---

Water Assets

---

# GO KC Year One Projects

## How to find information about GO KC projects

To help you track the progress of this 20-year program, the city makes information available in multiple formats.

 **OPEN DATA KC:** GO KC Project Explorer track progress 24/7 and view details of ongoing projects.

 **WEBSITE:** [kcmo.gov/gokc](http://kcmo.gov/gokc)

 **VIDEO STORIES:** [youtube.com/kcmocco](https://youtube.com/kcmocco) and click on GO KC Recent Projects

 **TWITTER:** Follow the city's account @KCMO and search using #GOKC

## YEAR 1

### YEAR ONE PROJECTS BY TYPE

Paseo Bridge Repairs over Brush Creek	Complete	Bridges		
Spirit of Freedom Fountain	Complete	Fountains		
Delbert Haff Fountain	Construction underway	Fountains		
KC Museum	Construction underway	Buildings		
Starlight ADA	Construction underway	Buildings		
City Hall - Elevator ADA	On Order	Buildings		
Animal Shelter	Design	Buildings		
Maple Woods Parkway	Design	Streets		
North Oak Trafficway	Design	Streets		
Southwest Quadrant Beacon Hill	Construction underway	Streets		
135th St from Wornall Rd to M-150	Construction underway	Streets		
Paseo Gateway	Design	Streets		
Prospect MAX	Ongoing	Streets		
Wornall Road, 85th-89th	Bids awarded	Streets		
Beardsley Road Landslide	Design	Streets		
22nd/23rd Street	Construction underway	Streets		
Marlborough Community Infrastructure	Construction underway	Streets		
Penn Valley Park Landslide	Construction underway	Streets		
Broadway Traffic Synchronization	Final Testing	Streets		
Swope Park Industrial Levee	Right-of-way Acquisition	Flood Control		
Dodson Industrial	Groundbreaking held	Flood Control		
Turkey Creek	Construction underway	Flood Control		
Citywide Sidewalk Repair	Construction underway	Sidewalks		
ADA Curb Ramps	Construction underway	Sidewalks		
1% for Arts	Allocated	Public Art		

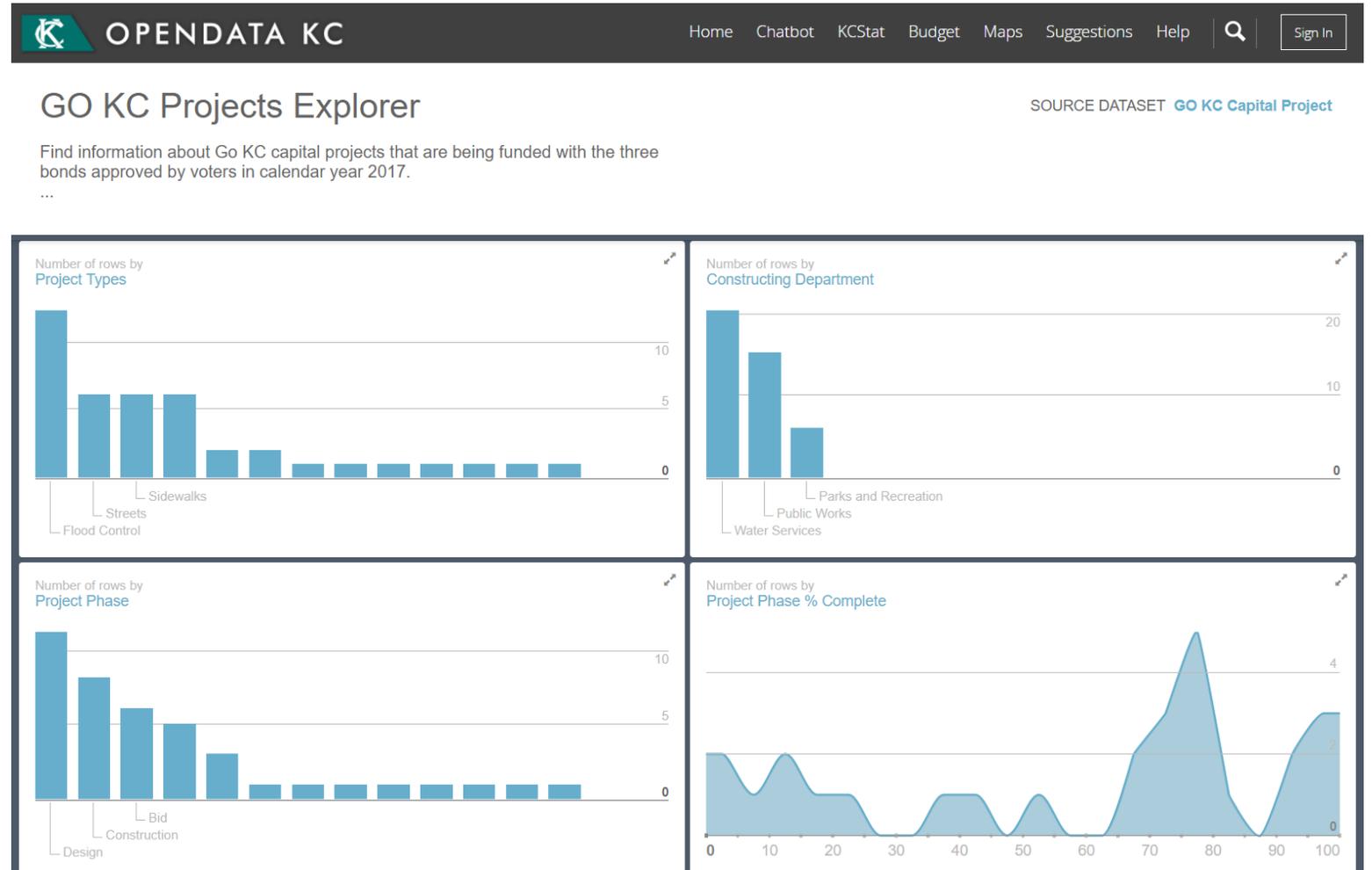
# GO KC Project Explorer

Find information about Go KC capital projects that are being funded with the three bonds approved by voters in calendar year 2017.

**Website:**  
[KCMO.gov/gokc](http://KCMO.gov/gokc)



CITY OF  
KANSAS CITY,  
MISSOURI



# Roads Needs Assessment Study

## Summary of recommendations:

- Invest to avoid further deterioration of Good/Fair road to Poor/Fail condition and increased cost of deferred maintenance
- Fix it first approach: focus on repairing, maintaining, rehabilitating, reconstructing, and enhancing existing roads
- Dedicate funds to preventative maintenance to make more cost-effective repairs
- Use asset management/best management practices to ensure that the right treatments are applied to the right roadways at the right time

	Maintenance	Capital
Type of work	Road resurfacing, crack sealing, slurry sealing	Road reconstruction to address failed/failing streets
Current allocation	\$10 million annually	\$450 million in 20 year GO Bond for streets and bridges (not all reconstruction projects)
Need	\$45 million annually to maintain current road conditions (not improve)	~\$765 million backlog

# Street Resurfacing and Microsurfacing: 2018

North

**2018 Street Preservation**  
Resurfacing: 174 Lane Miles  
Microsurfacing: 35 Lane Miles

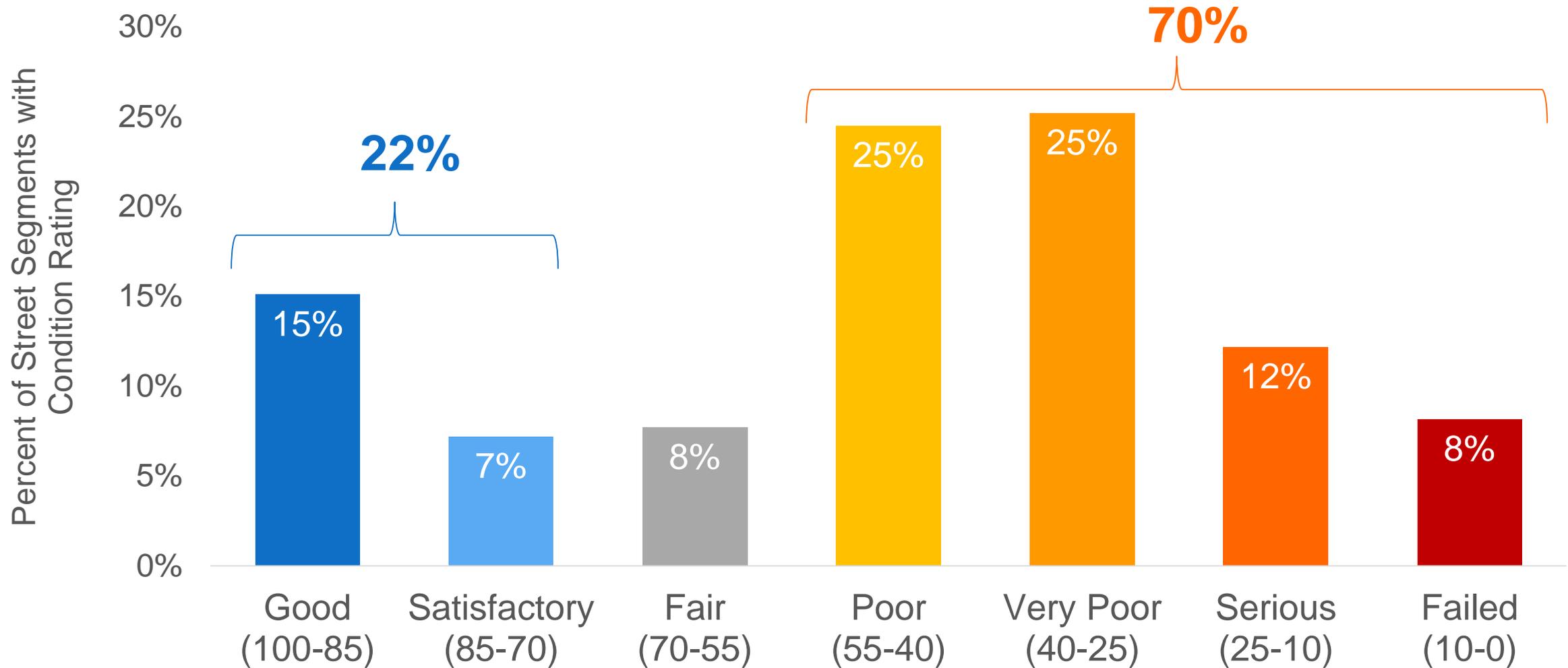
South

## Legend

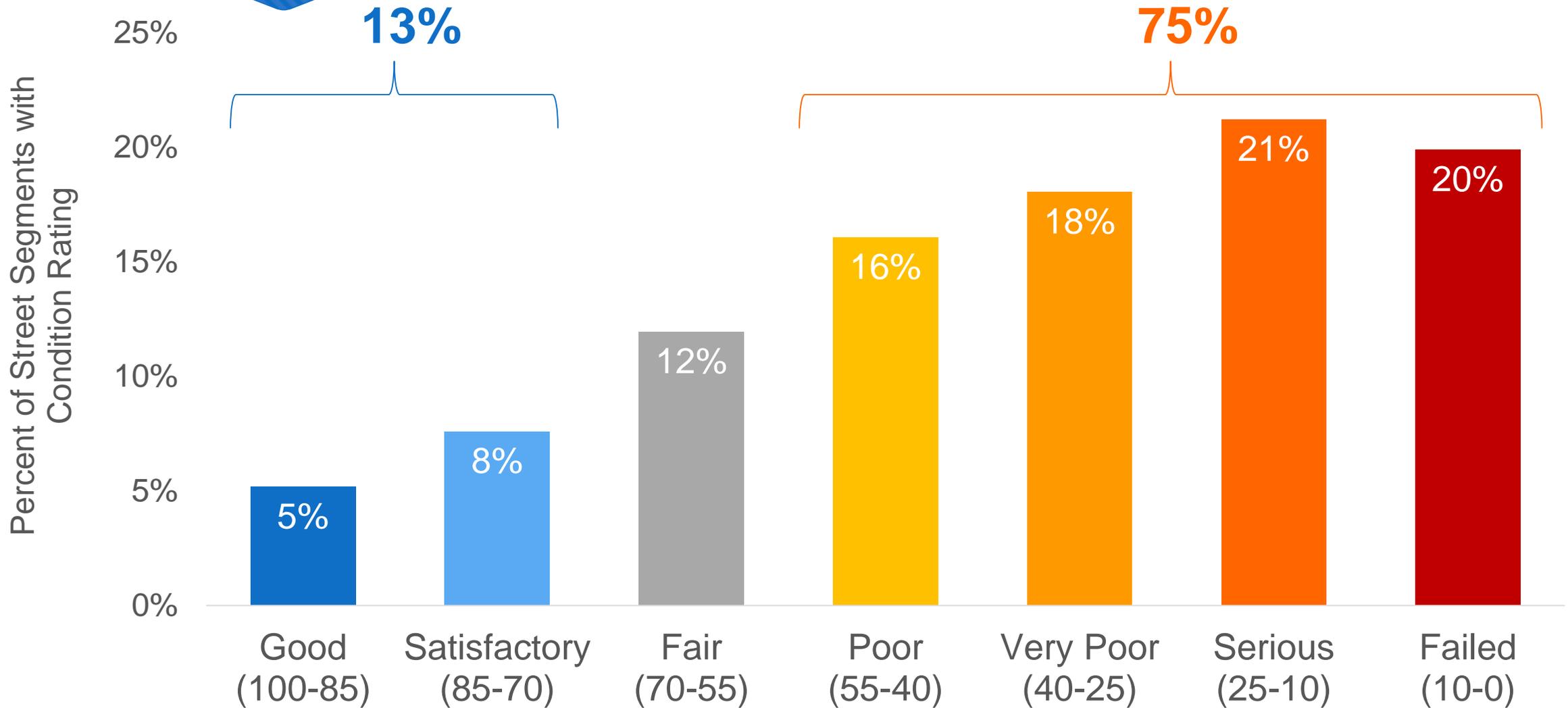
- 2018 Proposed Resurfacing
- 2018 Proposed Microsurfacing

# Pavement Condition Index for Streets: 2018

The 2018 rating is calculated by taking the 2017 ratings and modifying them based on street degradation and/or investment. A full re-rating will be done for 2019.

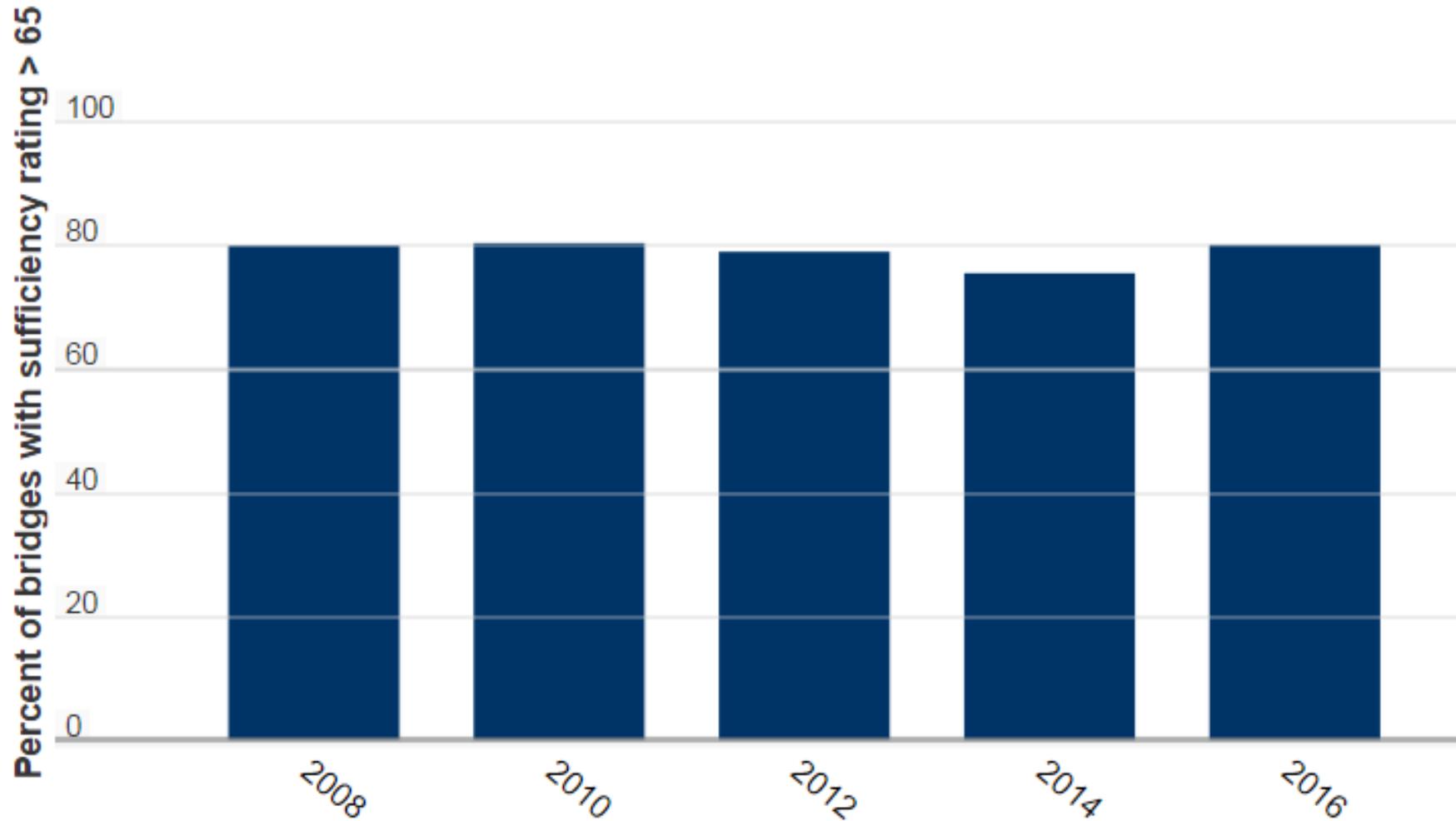


# Future Pavement Condition Index for Streets: 2027 (with current level of annual maintenance investment)



# Bridge Condition Rating

■ Percent of Bridges in Good or Better Condition (Sufficiency Rating > 65)



**80%**  
good or  
better

Source: Public Works

Biennial bridge condition inspection coming later in 2018

# Bridge Priority Recommendations

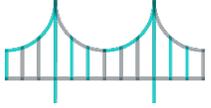


## Funded for Design

Source: Public Works

Location	Sufficiency Rating	Structural Rating	Work Needed	Estimated Cost	Funding Sources
Byrams Ford over Round Grove Creek	None (closed)		Replace	\$1.4M	GO KC/PIAC
Lexington Avenue over Chestnut Trafficway	57.5	24.4	Rehab	TBD	Bridge funds (design)
NE Pleasant Valley Rd over Big Shoal Creek	35.95	73	Replace	TBD	PIAC (design)
NE 112th St over Fishing River	64	64.3	Replace	TBD	PIAC (design)
Pittman Road over Round Grove Creek	67.7	52.2	Replace	TBD	PIAC (design)
Raytown Road over Small Creek	66.7	30.1	Replace	TBD	PIAC (design)
Red Bridge Rd over Creek	69.7	10.7	Replace	TBD	PIAC (design)
N Main St over Small Creek	16.4	51.6	Replace	\$1.5M	Bridge funds (design)
Hillcrest Road over Small Creek	7.0	72.4	Replace	\$2M	Bridge funds (design)
Beardsley Rd south of 12 <sup>th</sup> Street	None (closed)		Repair	TBD	Bridge funds (design)

# Bridge Priority Recommendations



## Funded for Construction

Location	Sufficiency Rating	Structural Rating	Work Needed	Estimated Cost	Funding Sources
Kenneth Road over Big Blue River	None (closed)		Replace	\$4.5M	GO KC, grant, PIAC, JaCo, OP
155 <sup>th</sup> Street over Lumpkin's Fork	None (closed)		Replace	\$1.4M	Bridge funds, Raymore
NE 104 <sup>th</sup> Street W of N Willow Avenue	76.0	9.6	Replace	\$550K	TIF

# Bridge Priority Recommendations



## Funded for Design and Construction in Future Years

Location	Sufficiency Rating	Structural Rating	Work Needed	Estimated Cost	Funding Sources
Raytown Road over Lumpkin's Fork	30.7	106.0	Replace	\$3.7M	GO KC
Gregory Blvd over Big Blue River and Union Pacific Railroad	10.5	63.2	Rehab	\$5.3M	GO KC
Benton Boulevard over Brush Creek	66.5	104.3	Rehab	\$3.7M	GO KC
N Waukomis Dr over Line Creek	59.1	43.1	Replace	TBD	Grant, Platte County

Backlog of Needed Bridge Repairs and Replacements: **\$125 million**

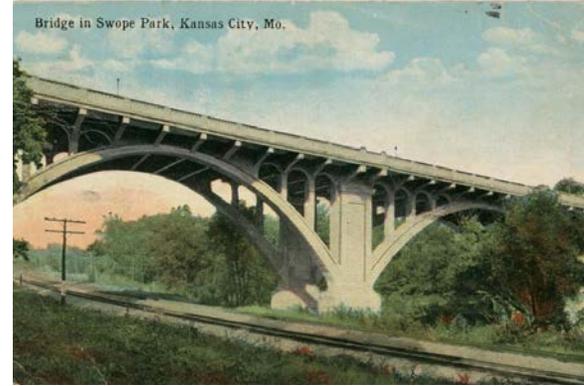
# Current Bridge Projects



*Benton Bridge Over Brush Creek*



*Byram's Ford Bridge*



*Gregory Bridge*



*Hillcrest Over SM Creek*



*Hillcrest Over SM Creek*



*Kenneth Road Bridge*



*Raytown Road over Lumpkins Fork*

# Buck O'Neil Bridge

## **When:**

Current repair project is scheduled for completion in **December 2018**

## **Cost:**

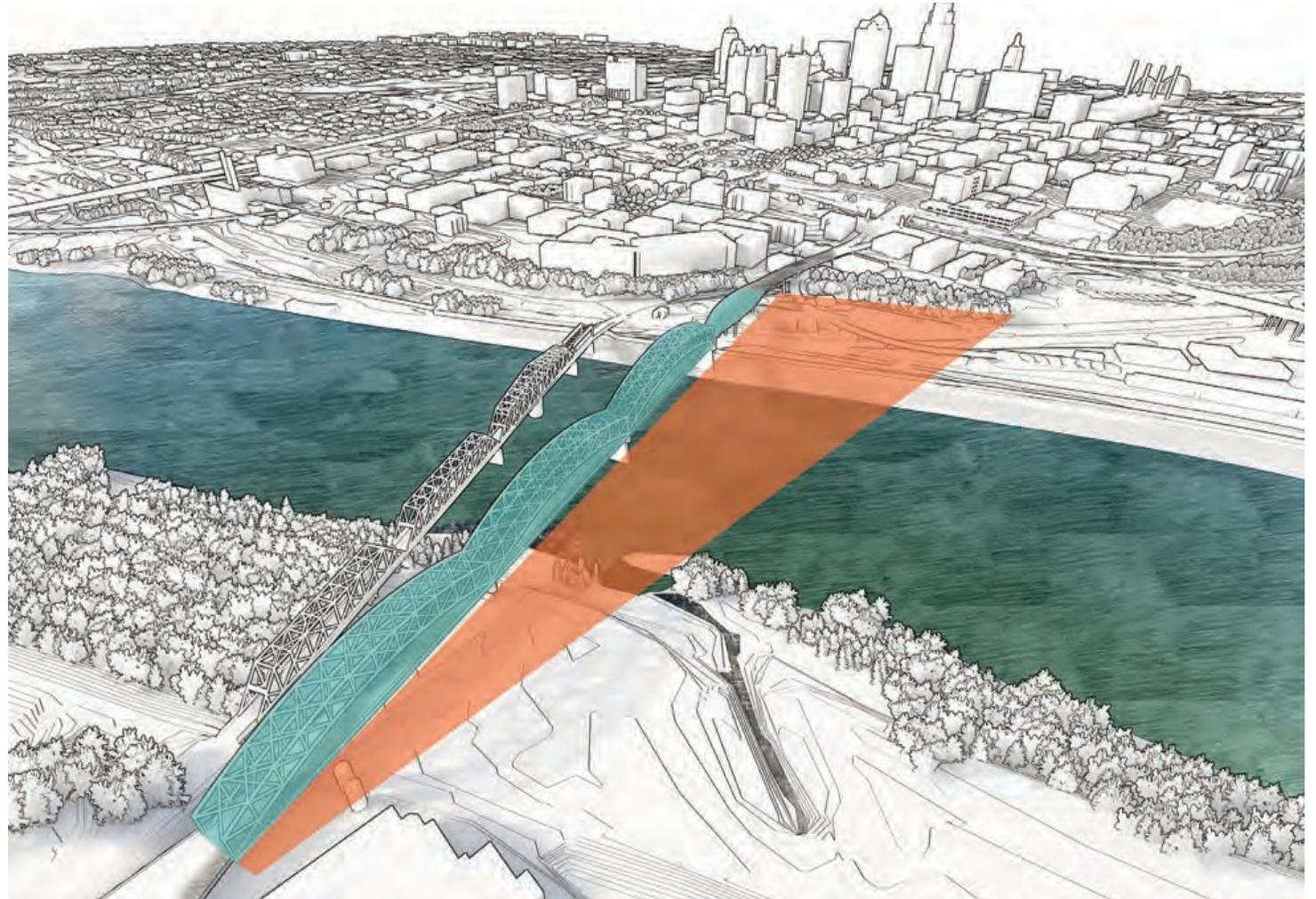
Estimated cost for the replacement structure is **\$204 million**

## **In Progress:**

A federally required environmental assessment is currently underway to determine the project's impacts.

## **Next Steps:**

The exact alignment and configuration to be determined at a later date



# Gas Tax Ballot Question

## **Missouri Proposition D**

"Shall Missouri law be amended to fund Missouri state law enforcement by increasing the motor fuel tax by two and one half cents per gallon annually for four years beginning July 1, 2019, exempt Special Olympic, Paralympic, and Olympic prizes from state taxes, and to establish the Emergency State Freight Bottleneck Fund?"

**November 6<sup>th</sup>, 2018 Election**

# Gas Tax Ballot Question

## Costs

- Increased costs to motorists is estimated at **\$1.25/month** for each 2.5 cent increase

## Impact

State of Missouri

- 2.5 cent per gallon increase in the gas tax annually for four years, ultimately generating **\$412 million annually** statewide

## Impact

Kansas City, MO

- Of the \$412 million statewide, **\$124 million** would go to new annual local road and bridge funding
- Estimated to be approximately **\$7 million** annually at the end of four years

# Parks GO Bond Projects

Three major infrastructure projects, **Maplewoods Parkway**, **Paseo Gateway and Red Bridge Road**, have leveraged the City's investment to secure Federal funding in order maximize the effectiveness of the total capital funding spent on the projects.

These projects provide better connectivity through safe, efficient, convenient, and sustainable means.

- The on-site management of storm water runoff
- The use of LED lighting
- The inclusion of enhanced bike and pedestrian facilities
- The incorporation of public art



# New Park Facilities

## New and Upcoming Playgrounds

- 9<sup>th</sup> and VanBrunt –Complete
- Hodge Park-Construction
- 81<sup>st</sup> and Troost -Bid

## New Spraygrounds

- Gillham Park Sprayground

## Upcoming Athletic Field Improvements

- Hodge Park 2 Fields- Construction
- N. Indiana Ballfield-Construction

*Gilham Park Sprayground*



*9<sup>th</sup> and Van Brunt Playground*



# Tree Inventory

## Tree Removals

### GO Bonds

- Removed 166 trees
- 332 trees will be replanted Fall 2018/Spring 2019

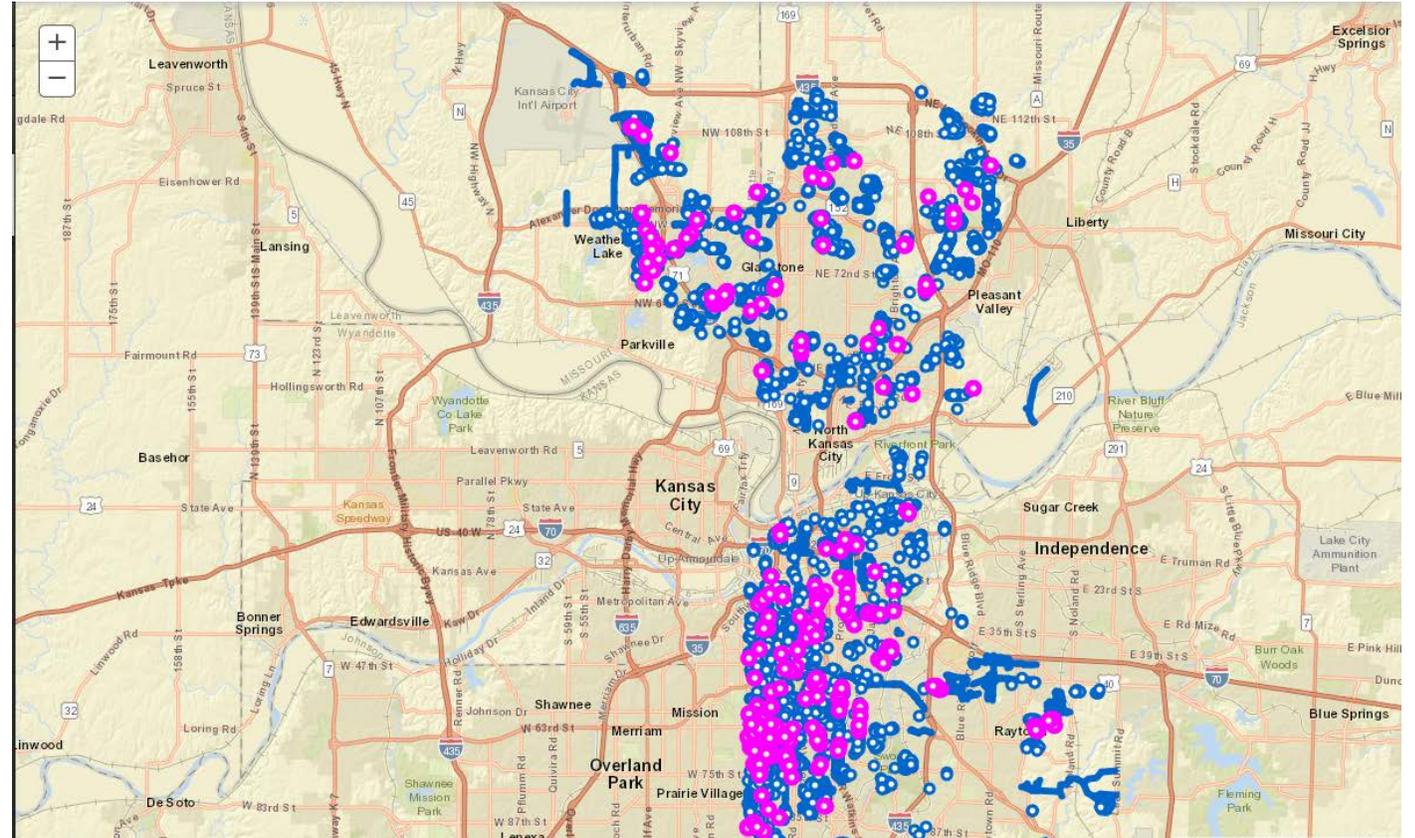
### Right-Of-Way/Street Tree and Ash Removal

- 2018: 1168 trees (through August 1<sup>st</sup>)
- 2017: 2144 trees removed

## Planting Summary

### Right-Of-Way/Street Trees

- 2018: 880 trees planted during the Spring. An estimated 1,015 trees will be planted in the Fall.



136,000 Right-of-Way trees, including some park trees and newly planted trees, will be added to the tree inventory in Cartegraph

# Tree Champions Group

## Mission:

Develop a strategic/funding/staffing plan to restore & expand KCMO's urban tree canopy and persuade citizens & leaders of Kansas City of the true value of trees.

## Who:

Citywide stakeholders' group will develop/implement a strategy to plant trees on public & private property. Parks & Recreation, Office of Environmental Quality, & Bridging The Gap to provide staff support. Mayor James has sent invitations to 20+ members to serve on the Kansas City Tree Champions, with a first meeting on 3/22.

## Challenges:

KCMO has ~ 17 million trees. The value of one large shade tree is estimated in tens of thousands of dollars over its lifetime. KCMO's tree canopy is in decline from age, extreme weather, land development, & diseases, with a net loss of ~ 28,000 trees annually. Emerald ash borer will likely destroy a million ash trees in KCMO by 2026 (perhaps as many as 6 million across the metro area).

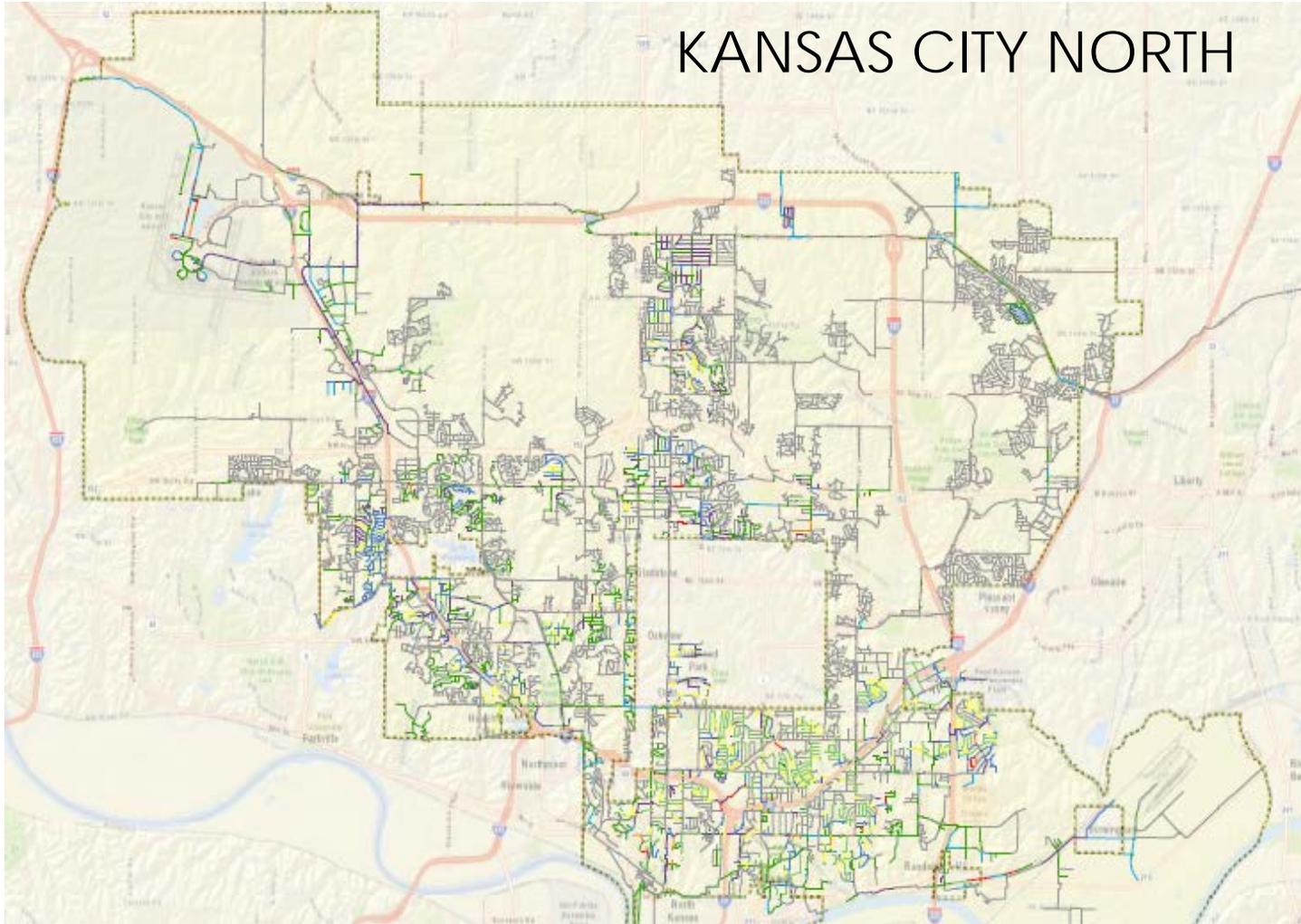
## Climate Mitigation/Resilience Strategy:

Planting trees strategically represents one of the least expensive and most effective strategies to reduce GHG emissions & also make Kansas City more resilient to the current & future impacts of climate change, tempering the already powerful heat-island effect and reducing residential utility bills.

## Timeline:

The draft is to be presented to Parks on **September 17<sup>th</sup>**. There will be a presentation to the City Manager on **November 6<sup>th</sup>**.

# Water Master Plan: Heat Map



KANSAS CITY NORTH

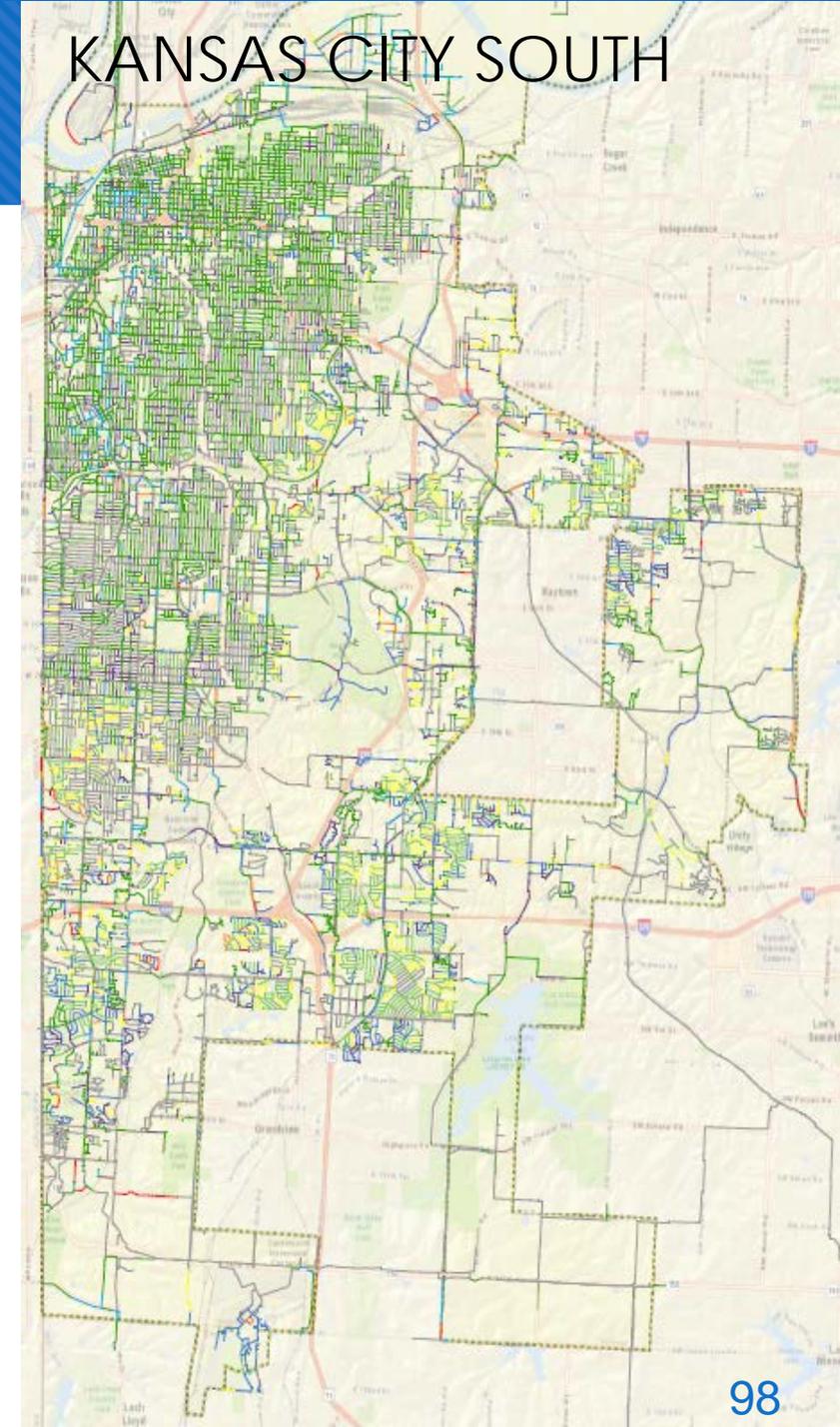
		Likelihood of Failure										Group	
		1	2	3	4	5	6	7	8	9	10	Miles	
Consequence of Failure	10	0.59	0.45	0.00	0.37	1.19	1.52	0.99	0.19	0.00	0.44	A	14.21
	9	1.92	6.99	0.00	1.24	1.96	3.80	0.55	0.36	0.37	0.41	B	17.42
	8	10.11	0.78	0.03	0.86	6.48	6.84	3.14	1.63	1.05	1.40	C	103.75
	7	33.19	4.36	0.84	1.92	10.22	10.40	5.11	2.58	1.75	2.31	D	222.14
	6	30.25	9.06	1.10	4.85	16.60	23.57	9.46	7.49	3.88	6.47	E	201.94
	5	54.52	9.02	1.47	15.35	36.74	50.76	14.73	9.39	5.71	7.83	F	201.32
	4	80.89	23.32	3.54	21.96	63.39	90.63	31.01	25.26	15.47	24.84	G	69.50
	3	137.42	88.62	15.97	10.73	102.05	160.50	72.45	77.84	53.57	78.91	H	618.47
	2	227.24	96.97	21.17	22.74	139.94	243.29	62.27	75.71	64.82	86.24	Z	1230.88
	1	1.21	2.92	0.57	0.21	1.57	2.62	1.61	1.50	1.63	0.41	Total:	2679.62
		Total Miles: 2,679.62											

## Solution:

Water Main Replacement Programs to repair 28 miles of water mains each year

# Water Master Plan: Heat Map

KANSAS CITY SOUTH

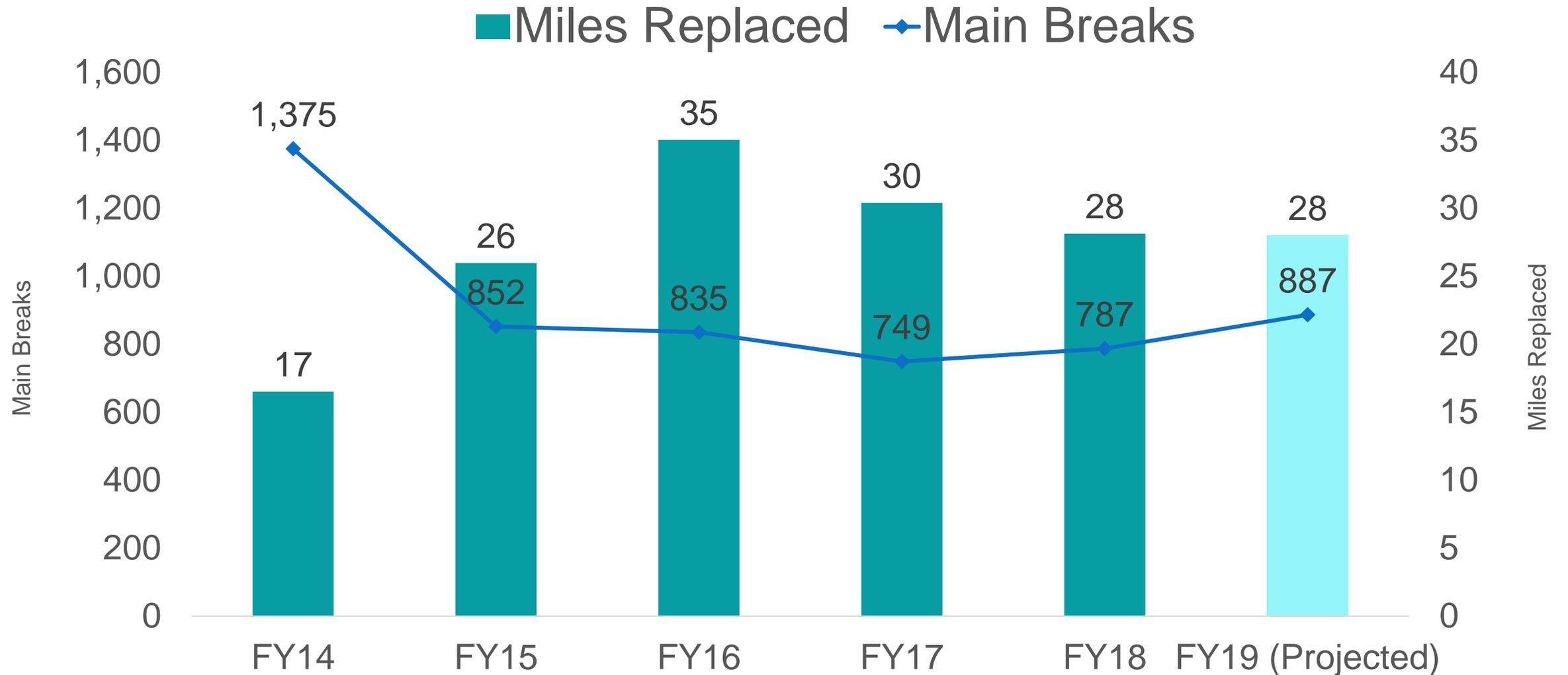


		Likelihood of Failure										Group	
		1	2	3	4	5	6	7	8	9	10	Miles	
Consequence of Failure	10	0.59	0.45	0.00	0.37	1.19	1.52	0.99	0.19	0.00	0.44	A	14.21
	9	1.92	6.99	0.00	1.24	1.96	3.80	0.55	0.36	0.37	0.41	B	17.42
	8	10.11	0.78	0.03	0.86	6.48	6.84	3.14	1.63	1.05	1.40	C	103.75
	7	33.19	4.36	0.84	1.92	10.22	10.40	5.11	2.58	1.75	2.31	D	222.14
	6	30.25	9.06	1.10	4.85	16.60	23.57	9.46	7.49	3.88	6.47	E	201.94
	5	54.52	9.02	1.47	15.35	36.74	50.76	14.73	9.39	5.71	7.83	F	201.32
	4	80.89	23.32	3.54	21.96	63.39	90.63	31.01	25.26	15.47	24.84	G	69.50
	3	137.42	88.62	15.97	10.73	102.05	160.50	72.45	77.84	53.57	78.91	H	618.47
	2	227.24	96.97	21.17	22.74	139.94	243.29	62.27	75.71	64.82	86.24	Z	1230.88
	1	1.21	2.92	0.57	0.21	1.57	2.62	1.61	1.50	1.63	0.41	Total:	2679.62
Miles		Total Miles: 2,679.62											

## Solution:

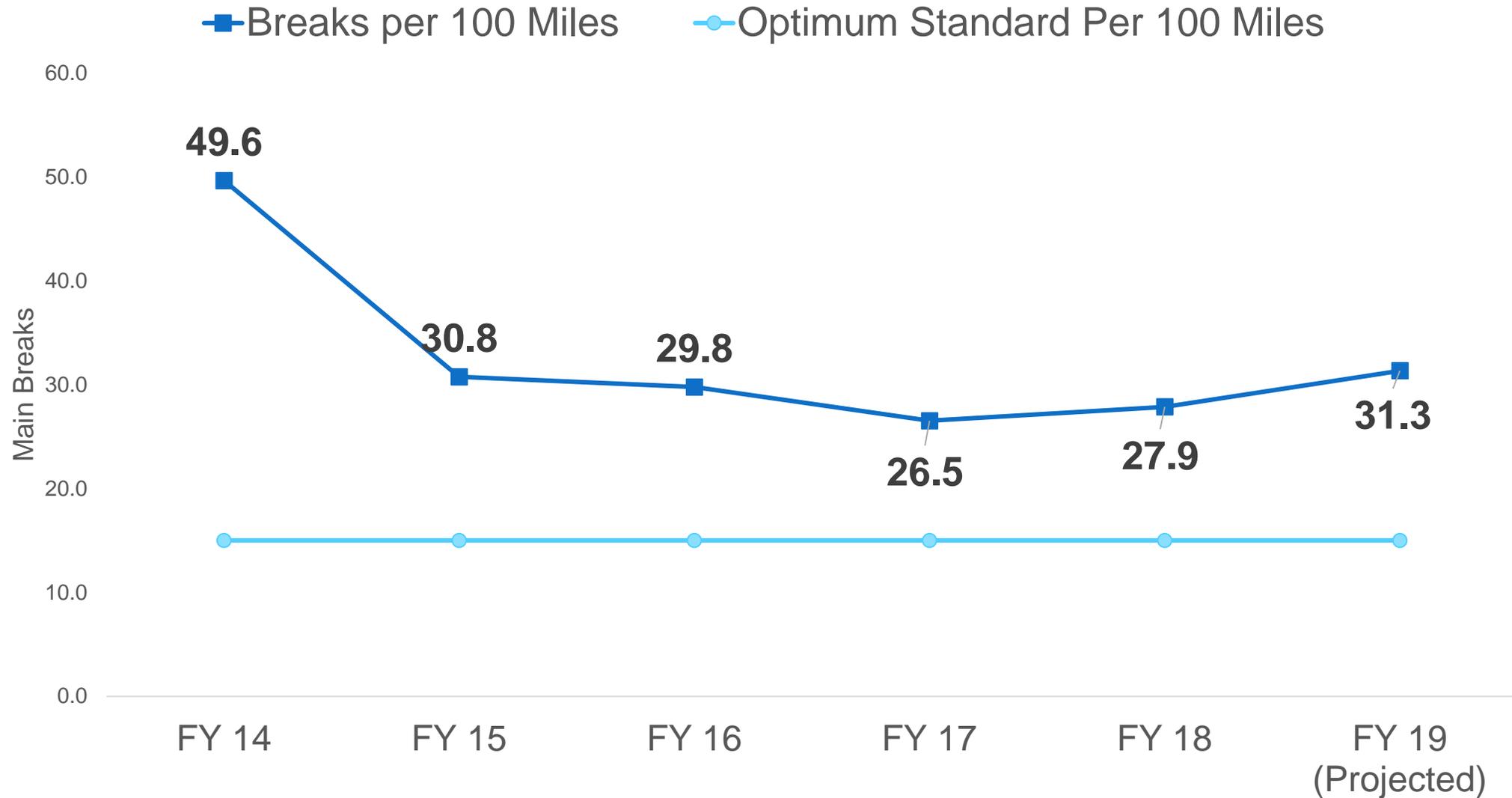
Water Main Replacement Programs to repair 28 miles of water mains each year

# Water Main Breaks Over Time



Source: Water Services Department – Projected based on three year average

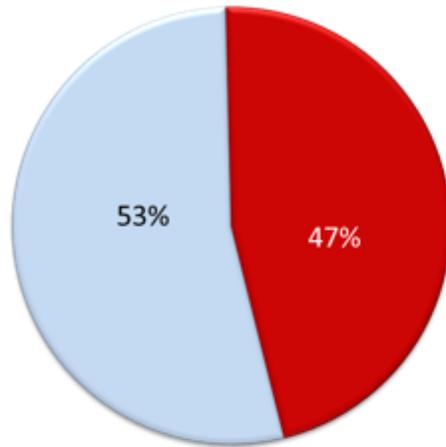
# Water Main Breaks Over Time Compared to Benchmarks



Source: Water Services Department — Projected based on three year average

# Water Master Plan: Valve Exercising

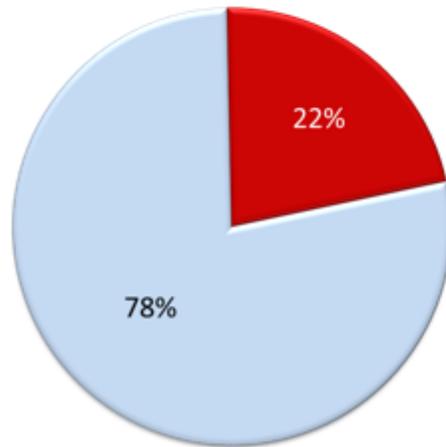
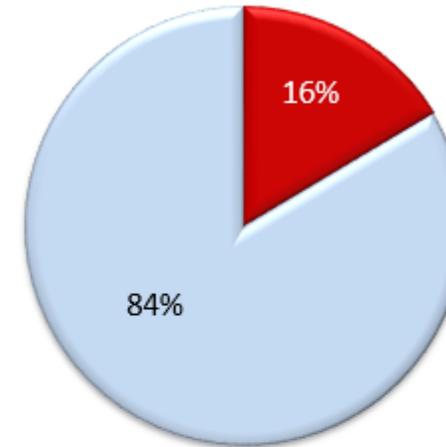
## Initial Operability



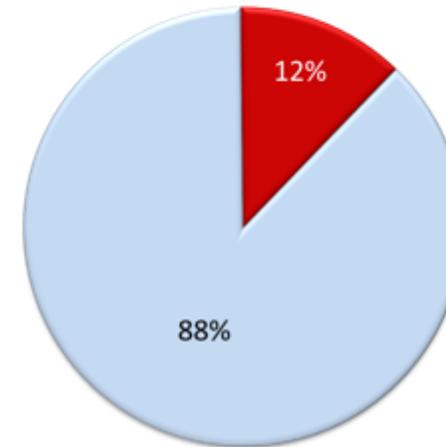
Operable  
Inoperable

**38,232 Valves**  
(2011-2018)

## Current Operability



**16,615 Valves**  
(July '16-July '18)



Source:  
Water Services  
Department

# Levee Condition / Flood Control

## Existing Levees

- 11.5 miles of levees; 1.9 miles of floodwalls; 15 flood pump stations
- Corps of Engineers inspects each Spring
- KCMO levees rated “Minimally Acceptable” (most common rating)



*Dodson Levee Groundbreaking, March 2, 2018  
Source: Water Services Department*



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## New Levees

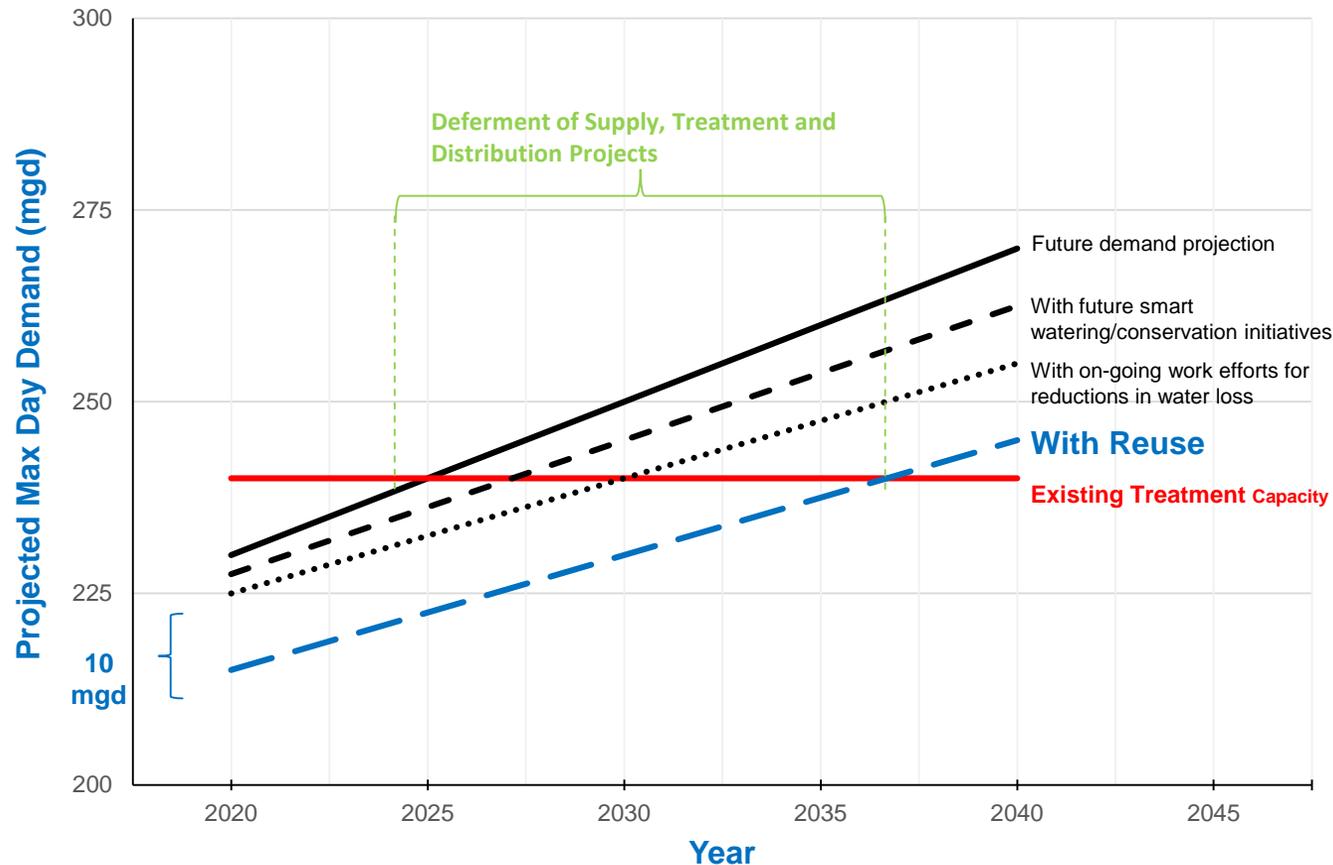
- Turkey Creek – Missouri Interceptor  
Corps contractor: Radmacher Brothers  
Excavating  
Projected completion: Late 2020
- Dodson Industrial Area Levee  
Corps contractor: Lane Construction  
Projected completion: Mid 2020
- Swope Park Industrial Area Levee  
Corps bid date: Late 2018

*Source: Water Services Department*

# Wastewater Reuse Feasibility Study

## Positive Business Case Outcome

### KC Water Reuse Drivers



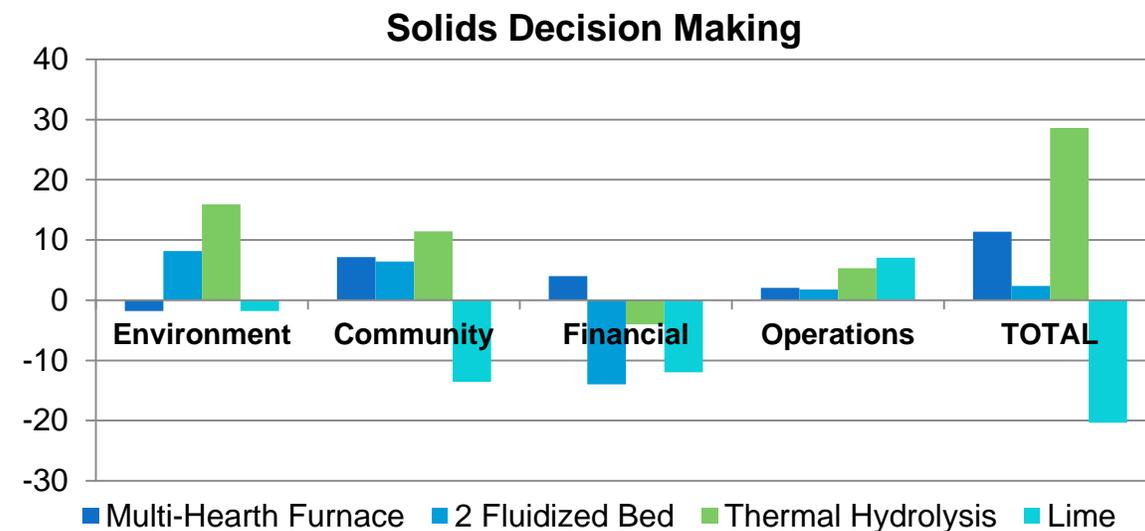
- Expansion Peak Day Demand at Water Treatment Plant - **\$191M**
- Customer Water Demands
- Estimated Biological Nutrient Removal (BNR) For Wastewater Treatment Plant— Approximately **\$650M**
- Water Quality – Can A Reduction In Discharge of Nutrients Be Developed into a Economic Advantage

# Blue River WWTP Biosolids Processing Improvements

## Sustainable Biosolids Project Advanced Digestion (Thermal Hydrolysis)

- Eliminates incineration, emissions
- Maximizes use of existing digesters
- Recovers resources:
  - ✓ 100% Class A Biosolids-suitable for marketing
  - ✓ Energy recovery
  - ✓ Phosphorus recovery
- Evaluating partnerships and collaborative delivery methods (i.e., design/build)
- Applying for Innovative financing
  - ✓ EPA WIFIA loan application
  - ✓ State Revolving Fund (SRF) Loan

Source: Water Services Department



DC Water Thermal Hydrolysis System

# Strategy B

Implement a plan to expand the public art program to a broader category of assets, with the inclusion of the maintenance of those efforts.

(General Services)

The public art program is undergoing staff transition.

A report-out on this strategy will be at the next KCStat meeting on Transportation and Infrastructure.

# Strategy C

Implement the City's Americans with Disabilities Act (ADA) plan to meet the Department of Justice's settlement agreement and ensure that all projects meet ADA standards.

(Office of the City Manager)

# Transition Plan

The [Transition Plan](#), nearly complete, will be a timeline-type document that shows the work still to be completed for all remaining Kansas City facilities and parks, and the timeline for completing that work.

Plan is to be submitted this Fall.



*Image: New stairs at the Kauffman Center for the Performing Arts*

# GO Bond-Funded ADA Projects

## GO Bond-Funded ADA Projects

### Year 1

#### City Hall elevator upgrades

- Expected dates – November to January

#### Starlight Theater, Phase 1

- About to be completed, except for the parking lot

*Image: Starlight Theater, New Accessible Parking Lot*



*Image: Starlight Theater, New Accessible Route & Handrails*



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# City Hall ADA Progress

## Upcoming City Hall Work

- 1<sup>st</sup>, 10<sup>th</sup> & 26<sup>th</sup> floor bathrooms will get ADA improvements
- Lobby & accessible circulation routes
- Common area/break room counters
- Interior door handles and rails



Image: Lower Level Restroom Improvements

**Easy to use**

1. Enter your destination
2. Receive your elevator assignment
3. Follow the direction to your assigned elevator

CompassPlus provides customers with a consistent look, customizable backlit buttons, smart signs and flexible mounting options.

**Modern Aesthetics**

The CompassPlus system helps manage the flow of people and brings a refined, cohesive look to your lobby. High-quality, durable aluminum fixtures share a consistent design, delivering a polished look in black or silver.

Touch-capable keypad    Touchpad    Touchscreen

Image: Destination Elevator Prototype Keypad

# **Objective 4:**

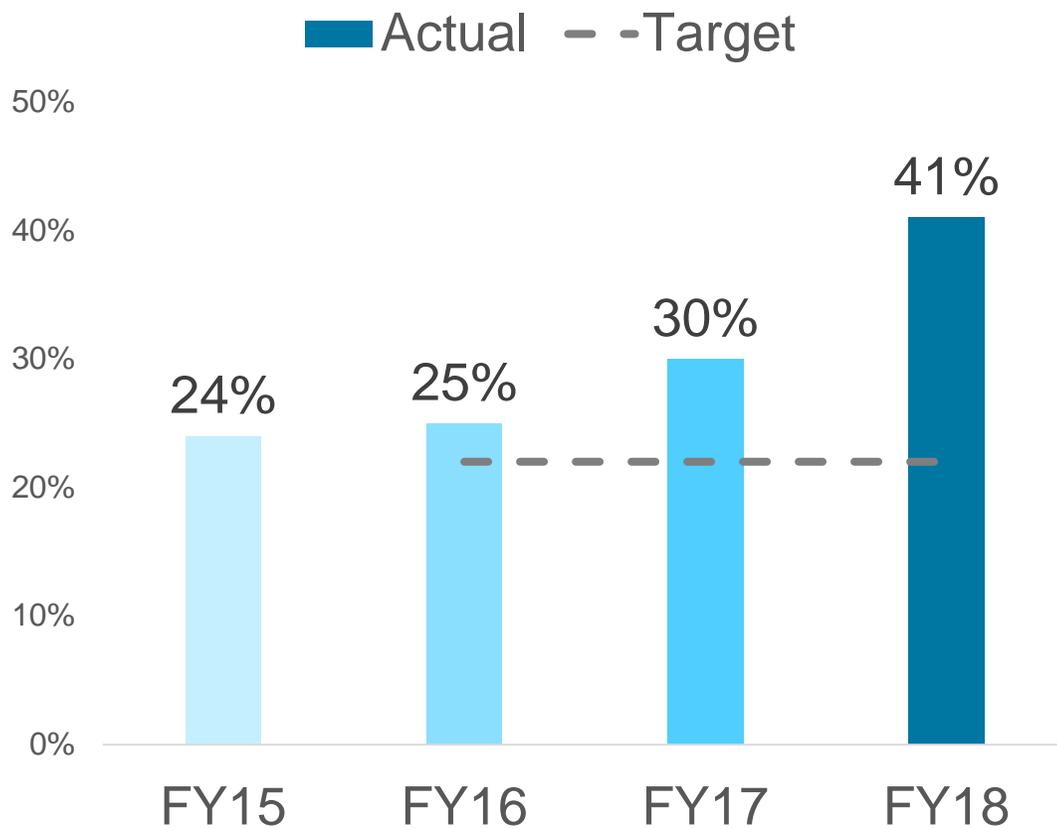
**Increase and support local workforce development and minority, women, and locally-owned businesses.**

# Workforce Development Objective Metrics

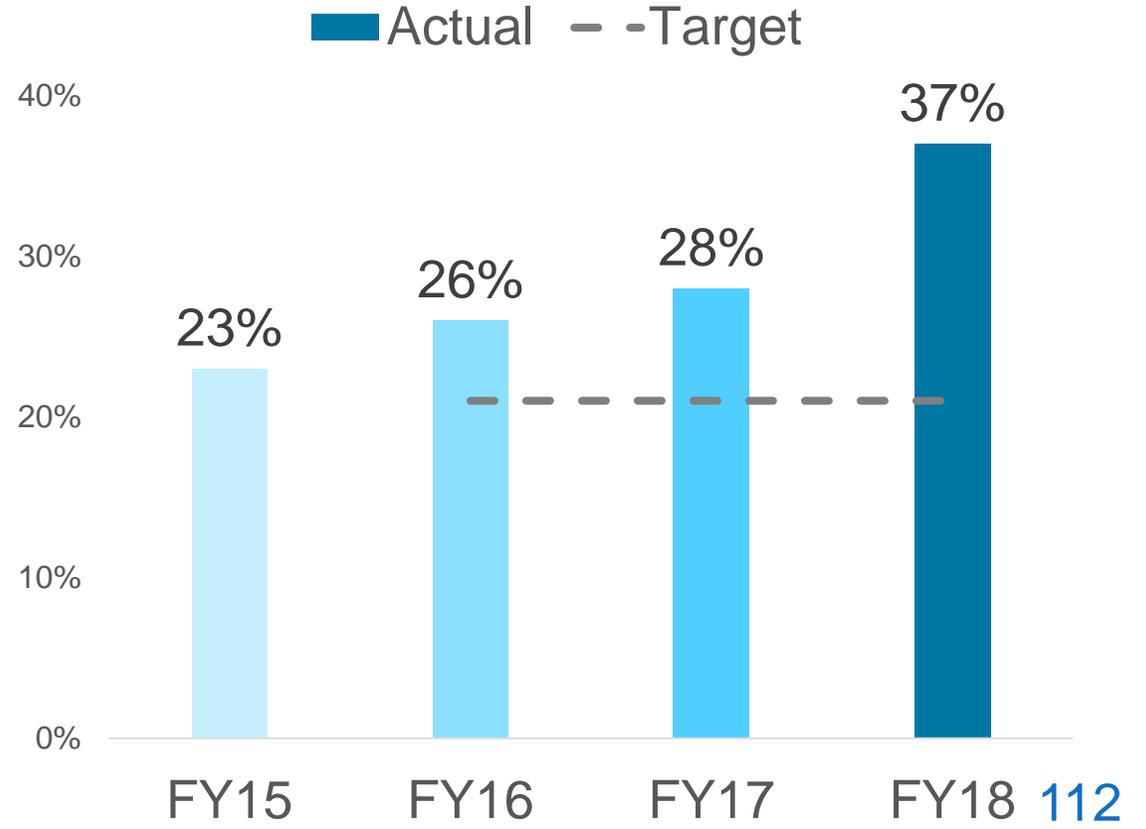
Measures of Success	FY16 Actual	FY17 Actual	FY18 Target	FY18 Actual	FY19 Target
Percent of payments for construction contracts that the City awards annually to minority and/or women-owned (MWBE) businesses	25%	30%	22%	41%	29%
Percent of payments for professional services contracts that the City awards annually to minority and/or women-owned (MWBE) businesses	26%	28%	21%	37%	31%

# Payments the City Awards Annually to Minority-Owned and/or Women-Owned (M/WBE) Businesses

## Construction Contracts



## Professional Services Contracts



# Strategy A

Utilize advertisements, the Annual Capital Improvement Overview, and City-sponsored learning opportunities to increase awareness and response to City-issued Requests for Qualifications/Proposals (RFQ/Ps).  
(Human Relations)

# HRD Supportive Communication Efforts

## A. Communication Efforts

- Email to M/WBE firms making them aware of established goals
- DISCRIMINATION - Report It, Don't Ignore It
  - TV – Univision (Spanish) – Recorded once a month. Rebroadcast daily for the entire month.
  - Radio – 1<sup>st</sup> Wednesday of each month. 1:00-1:30pm on LAX 1250AM. 1:30-2:00pm on 1340AM (Spanish).
  - Facebook Live
- Social Media (Facebook)
- Community Committees
  - Labor-Management Council of Greater Kansas City
  - MCA (Minority Contractors Association of Greater Kansas City)
  - MBE-WBE Labor Forum (Hosted by Greater Kansas City Building and Construction Trades Council)
  - WCOE (Women Construction Owners & Executives)
- Local community colleges
  - Metropolitan Community College & Manual Career Tech

# HRD Supportive Communication Efforts

## **B. Monthly workshops (M/WDBE)**

- Construction Program and Prevailing Wages Workshop
  - 3<sup>rd</sup> Thursdays at City Hall, 1-3pm

## **C. Direct Solicitation Based Upon Scope of Work**

- Ongoing email regarding established goals
- Outreach notification
- Vendor registration

# 2017 KCMO Disparity Study Recommendations

1. Credit for MWBE Self-Performing Work
2. Increase KCMO annual target goal based on study
3. Collect subcontracting data for all firms
4. Expand Financing & Bonding Program
5. Increase compliance training for contractors
6. Continue to apply race neutral measures
7. Issue "control" contracts (In lieu of a specific goal)
8. Reduce one year waiting period for certification

Various ordinances are being considered to implement some or all of these recommendations

# Strategy B

Update and implement Workforce Strategic Plans on all City and statutory agencies' projects.  
(Human Relations)

# Strategy C

Develop and implement  
Community Benefit Agreements  
and local preference plans for use  
in City and statutory agency  
projects. (Human Relations)

# Construction Workforce Disparity Study

## **Construction Workforce Disparity Study**

- To identify availability of workers in the community
- The study is underway
- Results are anticipated for Winter 2018/Early Spring 2019

# Questions?

Stay up to date on progress at [kcmo.gov/kcstat](https://kcmo.gov/kcstat)

#KCStat

## Next KCStat

October 2, 9 AM: Planning, Zoning, and Economic Development

