

SMART INFRASTRUCTURE UPDATE

KANSAS CITY'S CAPITAL IMPROVEMENT PROJECTS

FISCAL YEAR 2020



FEBRUARY 19, 2019



TABLE OF CONTENTS

Welcome	3
City Infrastructure Highlights FY19	6
Smart Sewer Report Card FY 2019.....	16
City of Kansas City, Missouri FY2020 Capital Improvement Program	18
Architect's Office	21
Project Manager	23
Projects FY20	23
Aviation	24
Project Managers	26
Projects FY20	26
Parks & Recreation	27
Project Managers	29
Projects FY20	30
Public Works	32
Project Managers	34
Projects FY20	35
KC Water	37
Project Managers	39
Projects FY20	40
Smart Sewer	47
Project Managers	50
Projects FY20	51
Projects FY21	57
Sponsors	60

WELCOME

Each February, we have the unique privilege of looking ahead at the plans Kansas City has for strengthening the infrastructure that supports the future of our city—and the opportunity to define what role we will play in that vision.

February also brings us the opportunity to look back at where we have traveled, and it is often our past that defines and brings value to our future.

Kansas City has seen many changes over the last several years, and it is certain that we will witness more in the coming year. However, change for the sake of change alone isn't meaningful: It is what we do with change that defines our outcome.

Kansas City has a legacy of breaking the stereotypes often placed upon this "Show Me State" and this "Fly Over Town." We have a history of setting the standard for innovation and perseverance. We face challenges head on. We adapt. We innovate. We transform. Kansas City builds the gateway to the future.

It is my honor to welcome you to Kansas City's seventh annual capital improvements update. Kansas City's promise of investment and innovation lays before you in the coming pages. Now, more than ever before, it is our time to stand up and take our place in the pages of our nation's history.



Andy Shively, PE
Special Assistant City Manager

CITY INFRASTRUCTURE HIGHLIGHTS

AVIATION KANSAS CITY INTERNATIONAL AIRPORT

On Thursday, February 8, 2018, the City Council voted to approve the Memorandum of Understanding (MOU) with Edgemoor Infrastructure. The new MOU includes a revised \$28.9 million community benefits agreement with money for child care and free busing for those working on the project. The modern and uniquely Kansas City, Missouri, terminal that voters approved in November is back on track to open in 2022, on time and on budget.

A two-story fountain anchors the sleek, modern, initial design concepts, and convenience for travelers is a major element of the design as well. The design features close-in parking, and a two-level curbside pick-up and drop-off area which will be faster and more convenient for travelers. Also, waiting areas at each gate will have room for the increased number of passengers on today's planes.



PARKS & RECREATION

KANSAS CITY CAMPUS FOR ANIMAL CARE

Currently under construction in Swope Park, the Kansas City Campus for Animal Care project will serve as the site of KC Pet Project and provide services to over 10,000 animals and 25,000 families throughout Kansas City. The campus will also be home to a full-service veterinary clinic, an education pavilion, a retail pet supplies store, a café, patios, walking paths, and in the future, the City's Animal Health & Public Safety. This facility in Swope Park will create a new, state-of-the-art benchmark for animal welfare in America.

BRUSH CREEK CONFLUENCE TRAIL

In October 2018, KC Parks unveiled a new trail and pedestrian bridge over Brush Creek in Blue Banks Park, connecting Brush Creek Trail, Cleaver II Trail and the Blue River Trail. In addition to providing an opportunity to explore nature, the new trail also functions as a pedestrian corridor for access to Swope Park, The Plaza, VA Hospital, Vineyard Park, Blue Banks Park, and area restaurants and businesses.

TROLLEY TRAIL BIKE & PET OASIS

KC Parks completed the Trolley Trail Bike and Pet Oasis located next to the newly remodeled HJ Youth & Community Center in Brookside this past July. The project is a public/private partnership between the KCATA, City of Kansas City, Missouri and the St. Andrews outreach ministry of HJ's Youth & Community Center. The bike repair station is the second to be funded along a sixth district trail in South Kansas City as an effort to support bike usership in the region.

CLIFF DRIVE & SPIRIT OF KC SCENIC BYWAYS TRAIL

On June 1, 2018, KC Parks celebrated the official opening of the new multipurpose trail connecting Cliff Drive in Kessler Park to the River Market and the Riverfront Heritage Trail. The project features 3,951 square feet of new concrete sidewalk, 22 ADA ramps and trail signage.

CITY INFRASTRUCTURE HIGHLIGHTS

PUBLIC WORKS/ GO BONDS

APWA ACCREDITATION DESIGNATION

In 2018, the City of Kansas City, Missouri, Public Works Department was awarded the American Public Works Association (APWA) Accreditation designation. The APWA Accreditation program recognizes public works agencies that go beyond the requirements of the management practices established nationally in the public works industry.

GO BONDS

On April 4, 2017, Kansas City voters overwhelmingly approved an \$800 million comprehensive capital improvements program to use revenue created by issuing general obligation bonds each year for 20 years to pay for long deferred infrastructure improvements across the city. The program, branded GO KC, includes a variety of projects that make Kansas City a better community. Here are a few of the highlights:

North Oak Trafficway Improvements

In October 2018, the City began reconstruction of North Oak Trafficway from Indianola Drive to the city limits of North Kansas City. The project includes new pavement, curbs and gutters, transit stop improvements, streetlight upgrades, water lines and storm sewer improvements. This complete street project also brings improved bicycle and pedestrian access with the addition of sidewalks on both sides, and a multi-use path for pedestrians and bicycles on the southern portion. This multi-use path will connect to bike facilities in the city of North Kansas City.

Wornall Road Reconstruction

The reconstruction of Wornall Road from 85th to 89th Streets began in July 2018. Improvements underway include replacing pavement, curbs and gutters, streetlight upgrades, water lines and storm sewer improvements, and improved pedestrian access with sidewalks on both sides of the roadway. The project will be completed before the spring of 2019.

Bike KC

Kansas City Public Works is committed to implementing roadway improvements to better accommodate multi-modal travel. This effort includes construction of bike facilities city-wide. The City recently completed construction of the first parking-protected bike lanes on Armour Boulevard and the Downtown Bike Loop project. Both projects have brought unprecedented connections for cyclists throughout the City. Designated bike lanes and bikeways are in planning and development for Armour Boulevard, Benton Boulevard, The Paseo/Dr. Martin Luther King Jr. Boulevard, Downtown, Lexington/Gladstone and Charlotte/Holmes.

Sidewalk Repairs & ADA Corners

In April 2018, the City began pouring concrete for the first round of GO KC Sidewalk repairs, making good on the promise to add or enhance sidewalks throughout Kansas City over the next 20 years. This program will systematically evaluate, repair and replace sidewalks: the goal is to make it through two city-wide cycles over 20 years. Systematic sidewalk inspections began in concert with construction of a shovel-ready backlog of spot repairs reported through 311. About \$6 million is slated to be spent initially to reduce this backlog. An additional \$1.5 million will be used to increase accessibility along sidewalks with ADA curb ramp upgrades.



CITY INFRASTRUCTURE HIGHLIGHTS

KC WATER SHOAL CREEK PUMP STATION

Situated near NE Barry Road and Shoal Creek Parkway, the Shoal Creek Pump Station was completed in 2018 to provide additional water services to the northern portions of Kansas City. This \$5 million infrastructure investment was constructed to pump 15 million gallons of water a day from the north direct system into the north booster pressure system. This booster provides higher pressure north of Highway 152, and will serve the Northland as it continues to grow.

DODSON INDUSTRIAL FLOOD CONTROL PROJECT

The final phase of the Dodson Flood Control Project, whose purpose is to provide 500-year flood protection for the Dodson Industrial District, began in 2018 and is slated for completion by late 2020. The plan involves building a 20-foot tall earthen levee to protect the area from Prospect Avenue and Blue River Road to Bruce R. Watkins Drive from chronic flooding, and will connect the existing upstream levee section and the existing downstream floodwall.

The U.S. Army Corps of Engineers is in charge of design and construction, while KC Water is responsible for maintenance of the levee, flood wall and other elements. The improvements will protect existing development and enhance the area's future economic stability.

BLUE RIVER WASTEWATER TREATMENT PLANT BIOSOLIDS FACILITY

Situated near the intersection of Front Street and I-435, the Blue River WWTP handles 95% of the biosolids produced by KC Water's six WWTPs. This project intends to replace the existing incinerators with advanced digestion utilizing the thermal hydrolysis process. Thermal hydrolysis involves pressure cooking solids allowing KC Water to double the capacity of its anaerobic digesters without constructing new digesters. The resulting stabilized biosolids will be certified class A by the EPA, which is safe enough for use on parkland. Currently, the project is being designed by an owner's advisor with plans to solicit design-builders to provide a fixed fee design-build proposal with qualifications documents received in the summer of 2019, followed by technical and fee proposals later in the year.

SMART CITIES COMPREHENSIVE SMART CITY UPDATE

The City of Kansas City has accepted proposals to expand its globally-recognized and award-winning Smart City program. In 2018, the City issued a Request for Proposal (RFP) that seeks a public-private partnership focusing on goals such as improving delivery of basic city services, increasing life expectancy through better health, and bridging the digital divide. The Selection Committee is currently working through the proposals and an update will be announced at the appropriate time.



CITY INFRASTRUCTURE HIGHLIGHTS

SMART SEWER PROGRAM

GREEN STEWARDS WORKFORCE DEVELOPMENT PROGRAM*

In 2018, the City of Kansas City, Missouri launched the Green Stewards Workforce Development program. The program provides professional development training and employment for seven full-time staff members who are responsible for the maintenance, inspection and monitoring of 147 green infrastructure and pervious pavement sites throughout the city. A team consisting of one program manager, one field manager and six Green Stewards were hired and began working in the field on March 19, 2018.

GREEN STORMWATER INFRASTRUCTURE MANUAL*

Kansas City's Green Stormwater Infrastructure (GSI) Manual was created and completed in 2018 as a design tool to supplement the Manual of Best Management Practices (BMP) for Stormwater Quality published by the Mid-America Regional Council and the American Public Works Association BMP Manual. Kansas City's manual provides detailed guidance for green stormwater infrastructure from the conceptual design phase to detailed design, construction, initial establishment and long-term maintenance. Through this resource, Kansas City is improving quality control during both design and construction of GSI projects and setting the standards for designers and contractors moving forward.

CONTINUOUS MONITORING AND ADAPTIVE CONTROL TECHNOLOGY**

The Kansas City Smart Sewer program utilizes Continuous Monitoring and Adaptive Control (CMAC) technology, designed for intelligent storm water management. CMAC technology autonomously controls the timing and rate of storm water flow into the combined sewer system using cloud-based technology, rainfall forecasts, water level sensors and actuated valves. Using these components, CMAC systems are able to plan and predictively respond to storm events in real-time. In addition to providing cost savings, the use of CMAC technology has helped the City of Kansas City to better utilize its existing assets.

KEEP OUT THE RAIN PROGRAM

Keep Out the Rain is a limited-time inflow and infiltration reduction program to find and fix prohibited private sewer connections. By providing free I/I repairs to correct improper connections, the program helps reduce the overall cost of the required wastewater improvements as part of the City's Smart Sewer program.

With an average I/I removal cost of \$0.59/gallon per day, these private repairs are a significantly more cost-efficient method than average public I/I removal. To date, nearly 17,000 households have voluntarily participated in evaluations, helping to remove an estimated 19 million gallons per day of flow from the City's separate sewer systems.

SMART SEWER SENSOR NETWORK

In 2018, Kansas City became home to the world's largest smart sewer sensor network, with approximately 300 sensors installed across the city. The sensors, fitted underneath manholes, provide real-time information about sewer conditions and the system's ability to handle rain water and sanitary sewer flows. The data gathered from this technology will help city leaders make informed decisions about where and when to plan future infrastructure investments in a way that is efficient and cost effective.



2010-2018

SMART SEWER PROGRAM REVIEW

CONSENT DECREE MODIFICATION

Kansas City's second consent decree modification was approved by the United States Environmental Protection Agency (EPA) in January 2018. The modification provides timeline extensions for six Smart Sewer projects to coordinate construction sequencing, integrate other public infrastructure improvements, select preferred project sites and adjust project scopes for the benefit of the public.

In 2018, Kansas City presented its third consent decree modification request to the EPA for consideration. This proposed modification is intended to mitigate the size of future utility rate increases, maximize community benefits, expand the use of green infrastructure solutions, integrate overflow control measures with other public infrastructure improvements and optimize performance criteria.

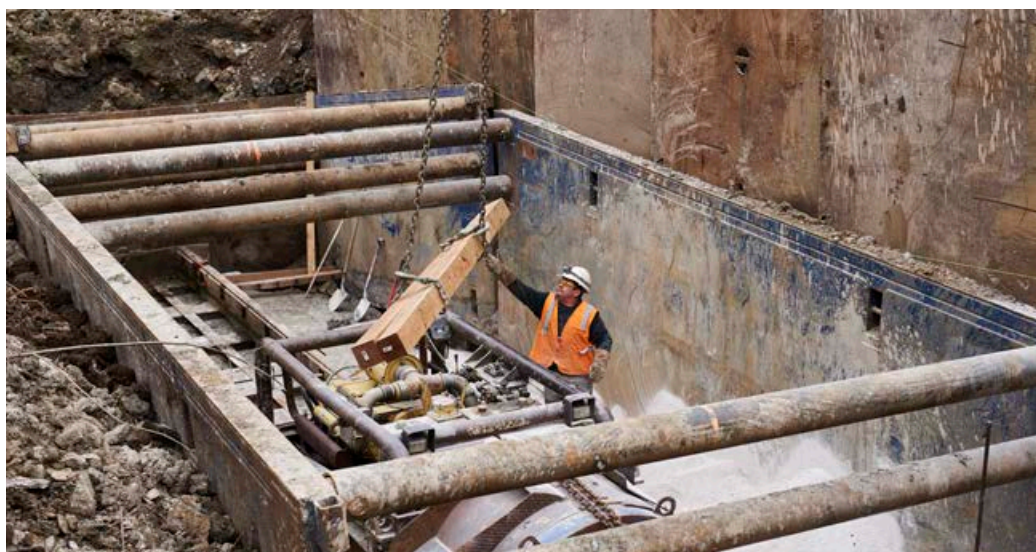
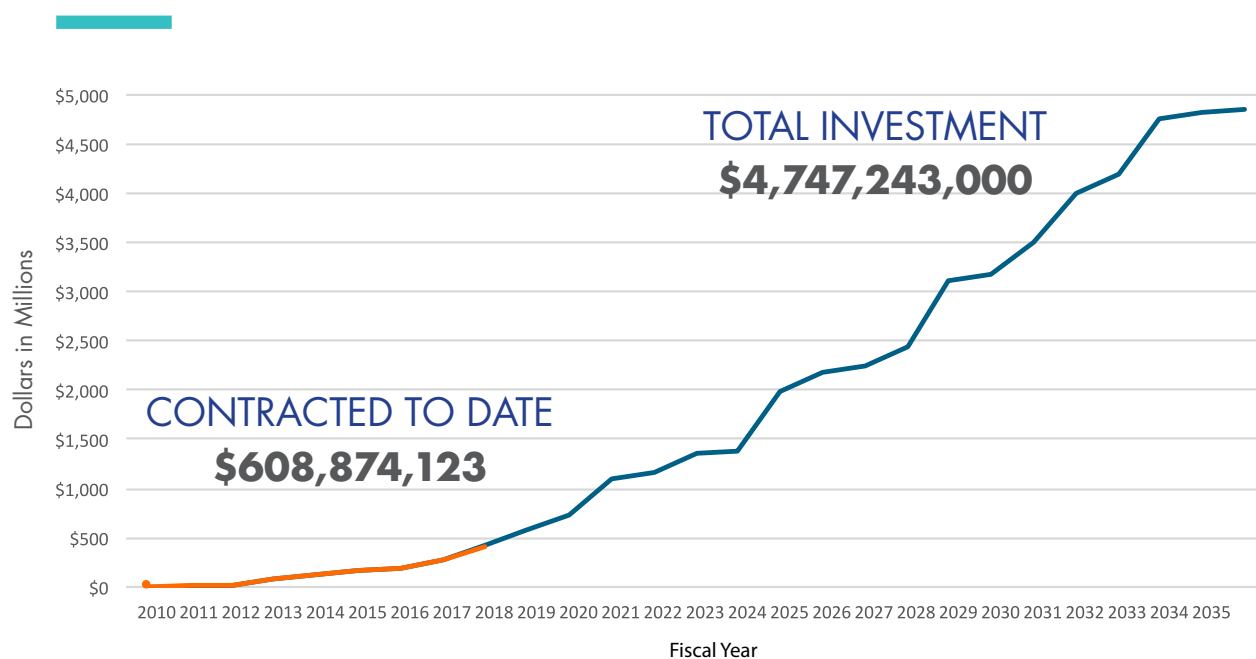
INVESTMENT — \$608,874,123

=

JOBS* — 11,750+



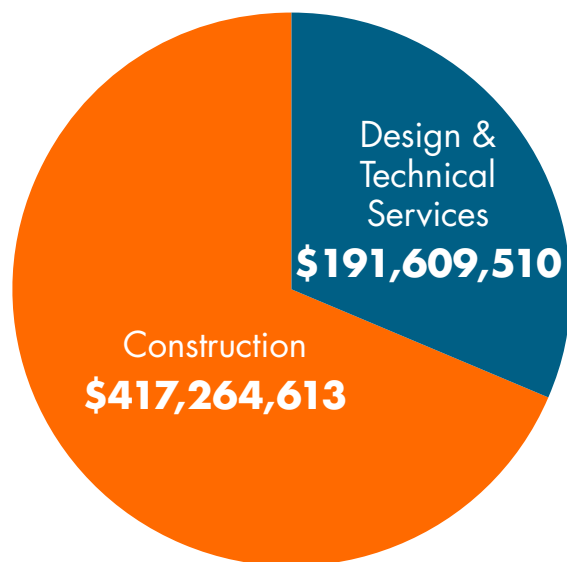
PROGRESS TO DATE



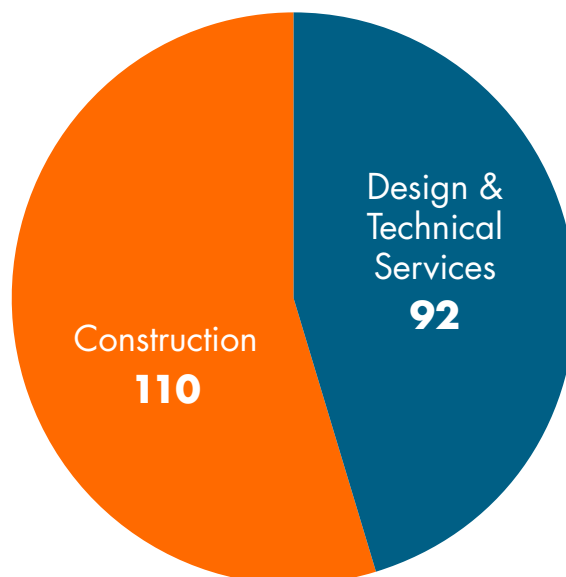
2010-2018

SMART SEWER PROGRAM REVIEW

VALUE OF
CONTRACTS



NUMBER OF
CONTRACTS





SMART SEWER PROGRAM 2010-2018

Programmatic Element	Contracts	Value
Diversion Structures & Pipe Consolidation	4	\$26,874,759
Green Infrastructure	26	\$51,155,089
Inflow & Infiltration Reduction	77	\$95,427,280
Neighborhood Sewer Rehabilitation	16	\$85,815,213
Pumping & Conveyance	11	\$47,065,767
Sewer Separation	7	\$40,508,025
Storage & Conveyance	11	\$24,879,635
Treatment Facilities	24	\$143,240,766
Supplemental Environmental Projects	6	\$5,254,288
Sewer Cleaning & CCTV	3	\$10,215,728
Manhole Adjustments	1	\$6,000,000
Programmatic Elements/ Services	16	\$72,437,573
Total	202	\$608,874,123

REPORT CARD

FISCAL YEAR 2019

20
PROJECTS

9 DESIGN
PROJECTS

11 CONSTRUCTION
PROJECTS

13

ON OR AHEAD OF SCHEDULE



3

ONE MONTH OR LESS BEHIND SCHEDULE



4

AT LEAST TWO MONTHS BEHIND SCHEDULE



2

INCREASE IN PROJECT SCOPE



On or Ahead of Schedule
 ≥ 1 Month Behind Published Schedule
 At Least 2 Months Behind Schedule
 Canceled

DESIGN

Project	Design Professional	Planned Date Actual Date	Estimated Actual	MBE/WBE Goal	Scope
Sewer Separation 31st Street & Broadway	Tetra Tech	March 2018 March 2018	\$1,500,000 \$1,050,000	15%/10%	➔
Sewer Separation 40th & Monroe	HDR	July 2018 August 2018	\$2,853,900 \$2,591,000	15%/10%	➔
I/I Reduction: Birmingham/Shoal Creek Project 1 (North of the River)	Lamp Ryearson	September 2018 September 2018	\$1,400,000	15%/10%	➔
I/I Reduction: Line Creek/Birmingham/Shoal Creek Project 3	Olsson & Associates	September 2018 September 2018	\$802,300	15%/10%	➔
Relief Sewers: Round Grove Basin	N/A	November 2018 Canceled	\$520,600	15%/10%	N/A
Baseline Improvements: Town Fork Creek Basin	TBD	January 2019 January 2019	\$413,6800	SLBE- WSDEPS	➔
15th Street Pump Station Upgrade	TBD	February 2019 TBD	\$489,200	15%/10%	➔
Relief Sewer: Hardesty Avenue & 31st Street	TBD	March 2019 TBD	\$424,000	15%/10%	➔
Relief Sewer: Vineyard & Lawn Street	TBD	March 2019 TBD	\$424,000	SLBE- WSDEPS	➔

CONSTRUCTION

Project	Contractor	Planned Date Actual Date	Estimated Actual	MBE/WBE Goal	Scope
Pump Station & In-Line Storage: Gooseneck Arch Sewer	Enerfab/Foley	March 2018 March 2018	\$20,000,000 \$8,543,300	13%/6%	➔
Dry Weather Sewer Line Outfall 056 - Diversion Structures 065 & 073 Consolidation	Pyramid	April 2018 April 2018	\$500,000 \$2,986,600	11%/5%	⬆
Lower Blue River Green Infrastructure	Pyramid	April 2018 October 2018	\$3,300,000 \$569,030	12%/7%	⬇
Neighborhood Sewer Rehabilitation: Northeast Industrial District - Package 1	Blue Nile	June 2018 June 2018	\$10,025,000 \$8,088,500	10%/7%	➔
Neighborhood Sewer Rehabilitation: Northeast Industrial District - Package 2	Kissick	July 2018 August 2018	\$10,025,000 \$9,232,700	10%/7%	➔
Westside WWTP Wet Weather Treatment	Goodwin Construction Bros.	July 2018 July 2018	\$51,740,500 \$39,285,000	13%/5%	➔
Green Infrastructure Demonstration: Turkey Creek/Central Industrial District	TBD	August 2018 November 2018	\$6,830,000 TBD	15%/7%	➔
Green Infrastructure Demonstration: Northeast Industrial District	Kissick	September 2018 October 2018	\$7,680,000 \$3,305,600	10%/7%	⬇
Diversion Structure 068 Storage Basin	TBD	December 2018 TBD	\$8,500,000 TBD	14%/4%	⬆
Neighborhood Sewer Rehabilitation: Turkey Creek/Central Industrial District - Package 1	TBD	January 2019 January 2019	\$9,241,300 TBD	10%/6%	➔
Neighborhood Sewer Rehabilitation: Turkey Creek/Central Industrial District - Package 2	TBD	February 2019 TBD	\$9,214,300 TBD	10%/6%	➔

CITY OF KANSAS CITY, MISSOURI

FY2020 CAPITAL IMPROVEMENT PROGRAM

PLANNED
INVESTMENT



\$522,995,000

=

JOBS*



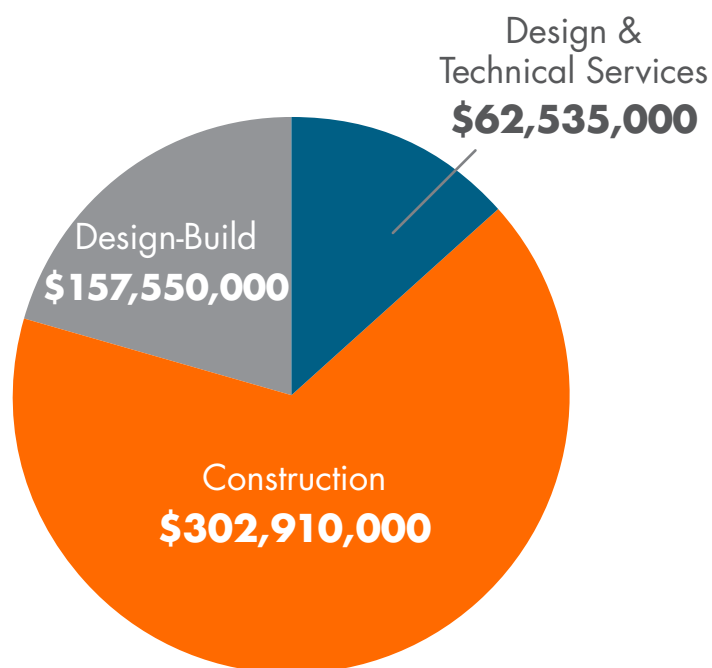
10,000+



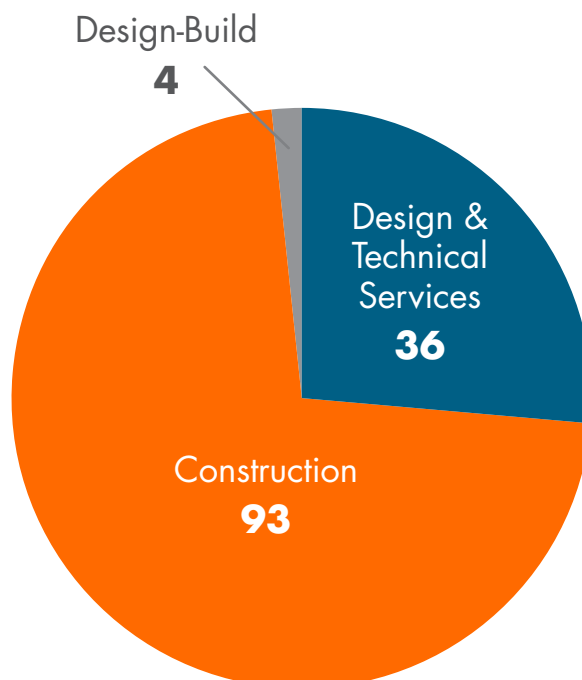
CITY OF KANSAS CITY, MISSOURI

FISCAL YEAR 2020

VALUE OF
CONTRACTS



NUMBER OF
CONTRACTS



CITY OF KANSAS CITY, MISSOURI FY2020 CAPITAL IMPROVEMENT PROJECTS

Program	Contracts	Value
Architect's Office	1	\$63,000,000
Aviation	3	\$6,000,000
Parks & Recreation	13	\$30,700,000
Public Works	17	\$71,300,000
KC Water	48	\$210,540,000
Smart Sewer	51	\$141,455,000
Total	133	\$522,995,000



ARCHITECT'S OFFICE

FY2020 CAPITAL IMPROVEMENT PROGRAM

PLANNED
INVESTMENT



\$63,000,000

=

JOBS*



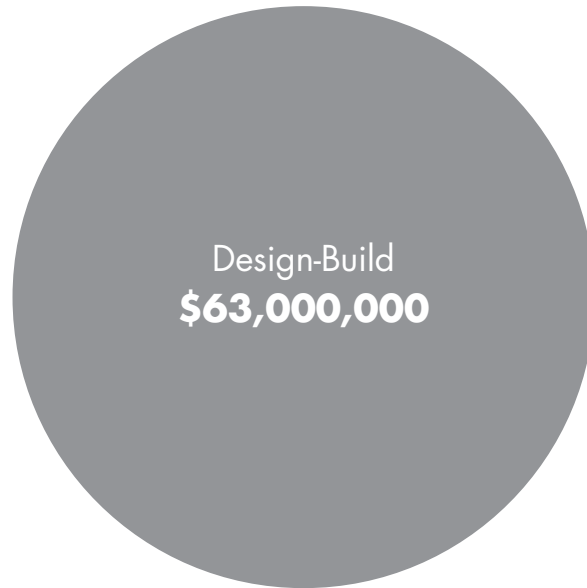
1,200+



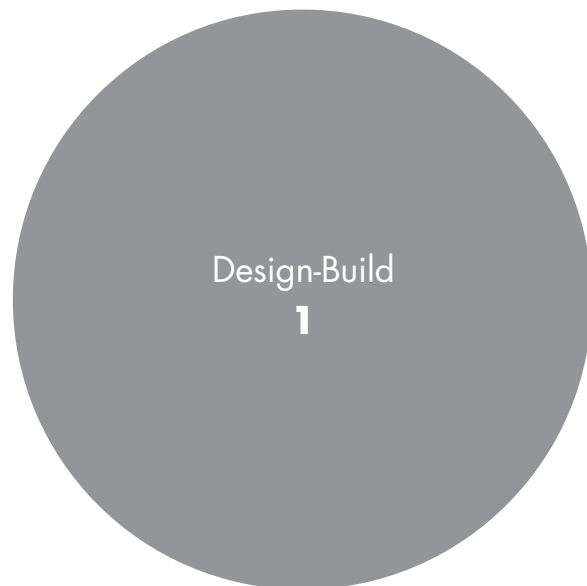
ARCHITECT'S OFFICE

FISCAL YEAR 2020

VALUE OF
CONTRACTS



NUMBER OF
CONTRACTS



ARCHITECT'S OFFICE PROJECT MANAGER



ERIC BOSCH

816.513.2517

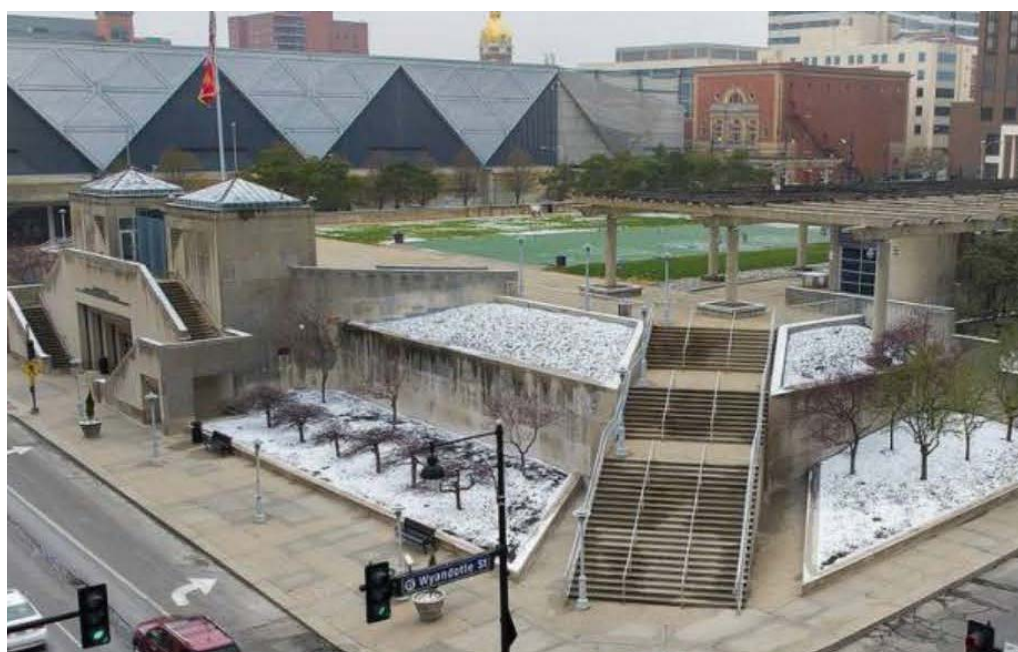
eric.bosch@kcmo.org

ARCHITECT'S OFFICE DESIGN/BUILD PROJECT

ERIC BOSCH

Barney Allis Plaza/Auditorium Plaza Parking Garage Reconstruction

\$63,000,000 // Summer 2019



AVIATION

FY2020 CAPITAL IMPROVEMENT PROGRAM

PLANNED
INVESTMENT



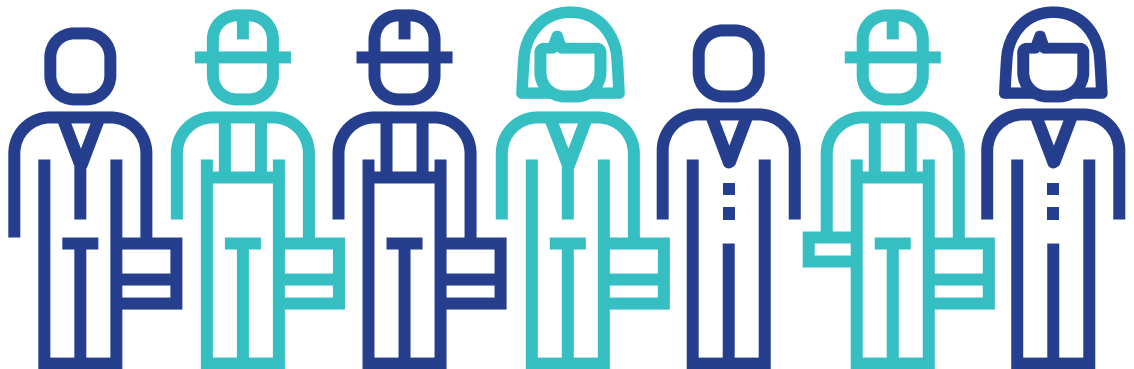
\$6,000,000

=

JOBS*



110+



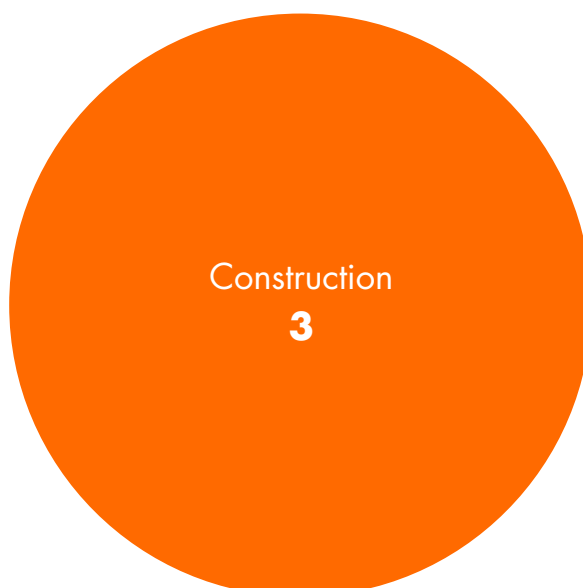
AVIATION

FISCAL YEAR 2020

VALUE OF CONTRACTS



NUMBER OF CONTRACTS



AVIATION PROJECT MANAGERS



LAPONDZIA JONES

816.243.3057

lapondzia.jones@kcmo.org



JADE LISKA

816.243.3045

jade.liska@kcmo.org

AVIATION PROJECTS

LAPONDZIA JONES

Economy Lots A and Part of C Resurfacing

\$3,500,000 // May 2019

LAPONDZIA JONES

Terminal B and Brasilia Avenue Resurfacing

\$2,000,000 // May 2019

JADE LISKA

Old Rental Car Lot Overlay - Walking Trail - Misc.

\$500,000 // May 2019



PARKS & RECREATION

FY2020 CAPITAL IMPROVEMENT PROGRAM

PLANNED
INVESTMENT



\$30,700,000

=

JOBS*



590+



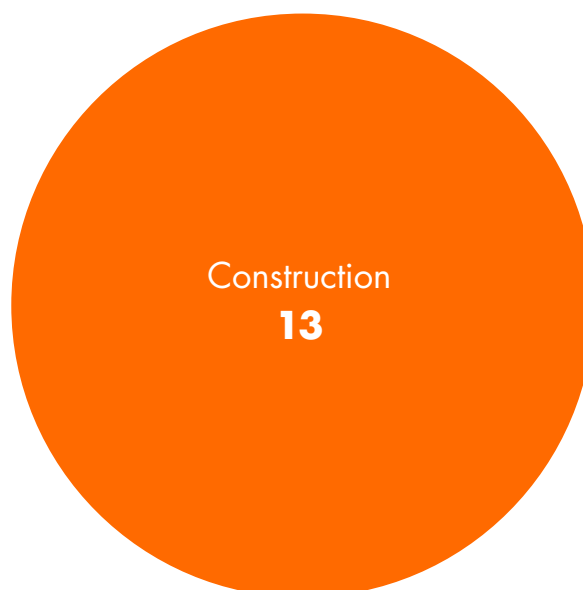
PARKS & RECREATION

FISCAL YEAR 2020

VALUE OF CONTRACTS



NUMBER OF CONTRACTS



PARKS & RECREATION PROJECT MANAGERS



JORDAN CLINE

816.513.7713

jordan.cline@kcmo.org



SCOTT OVERBAY

816.513.7268

scott.overbay@kcmo.org



ERICA FLAD

816.513.7780

erica.flad@kcmo.org



RODNEY RIFFLE

816.513.7619

rodney.riffle@kcmo.org



CHAD HOLLINGSWORTH

816.513.7518

chad.hollingsworth@kcmo.org



JAMES WANG, P.E.

816.513.7622

james.wang@kcmo.org



BOB LAWLER

816.513.7599

bob.lawler@kcmo.org



PARKS & RECREATION CONSTRUCTION PROJECTS

RODNEY RIFFLE

**Anne Garney Park Improvements**

\$450,000 // March 2019

JAMES WANG, P.E.

**Maplewoods Parkway - from 96th Street to Shoal Creek Parkway**

\$14,000,000 // April 2019

JORDAN CLINE

**Columbus Park Improvements**

\$100,000 // May 2019

JAMES WANG, P.E.

**Redbridge Road - from Holmes to Wornall Road**

\$4,500,000 // May 2019

JAMES WANG, P.E.

**Paseo Gateway Project at the Independence Boulevard Intersection**

\$9,000,000 // June 2019

SCOTT OVERBAY

**Lakewood Greenway Trail Improvements**

\$150,000 // August 2019

ERICA FLAD

**Blue River Trail**

\$300,000 // September 2019

SCOTT OVERBAY

**SE Community Center Parking Lot Resurface**

\$100,000 // September 2019

JORDAN CLINE

**Swope Park Connector Trail**

\$800,000 // September 2019

PARKS & RECREATION CONSTRUCTION PROJECTS

CHAD HOLLINGSWORTH

Watts Mill at Indian Creek Improvements

\$200,000 // September 2019

SCOTT OVERBAY

Trail and Stone Wall Repair Project

\$300,000 // October 2019

BOB LAWLER

Budd Park Shelter

\$100,000 // November 2019

BOB LAWLER

Little Blue River Park Improvements

\$700,000 // November 2019



PUBLIC WORKS

FY2020 CAPITAL IMPROVEMENT PROGRAM

PLANNED
INVESTMENT



\$71,300,000

=

JOBS*



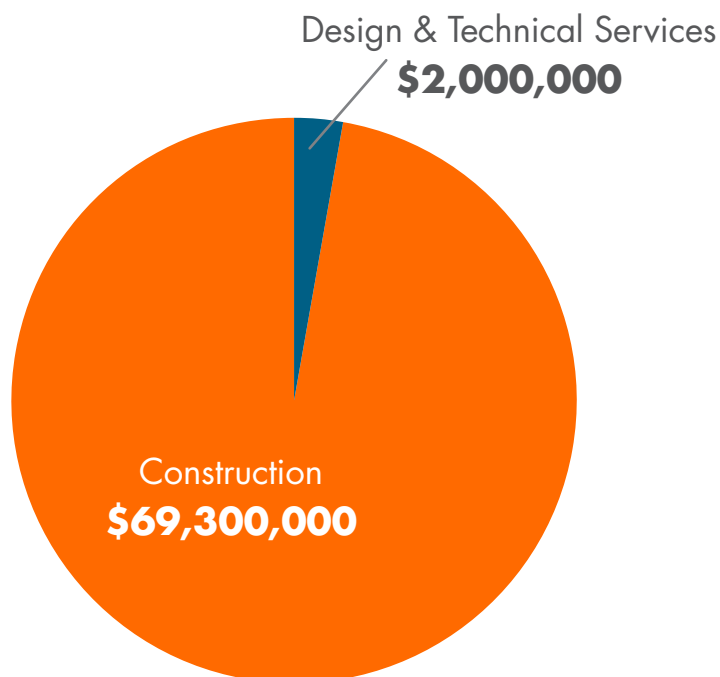
1,370+



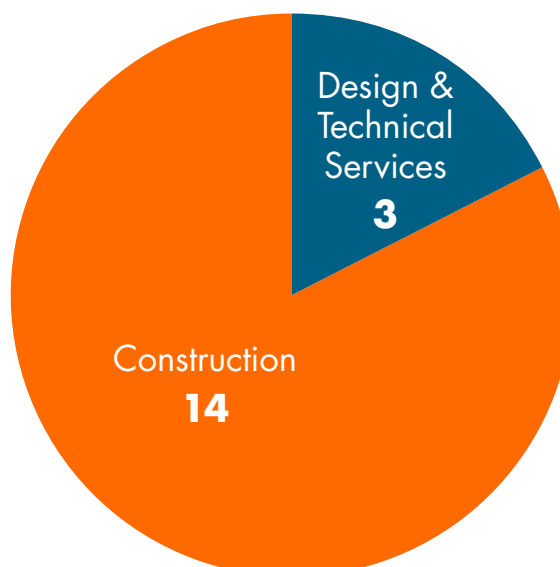
PUBLIC WORKS

FISCAL YEAR 2020

VALUE OF
CONTRACTS



NUMBER OF
CONTRACTS



PUBLIC WORKS PROJECT MANAGERS



ATHENA HUYNH

816.513.2720

Athena.Huynh@kcmo.org



KIM PEMBERTON

816.513.2720

Kim.Pemberton@kcmo.org



KERRY KANATZAR

816.513.4701

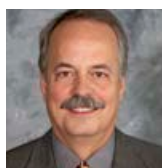
Kerry.Kanatzar@kcmo.org



GARRETT ROSS

816.513.4701

Garrett.Ross@kcmo.org



DAVID H. MILLER

816.513.2720

David.H.Miller@kcmo.org



MARIO VASQUEZ

816.513.4701

Mario.Vasquez@kcmo.org



JERRY NELSON

816.513.4701

Jerry.Nelson@kcmo.org



JASON WALDRON

816.513.2720

Jason.Waldron@kcmo.org



PUBLIC WORKS DESIGN PROJECTS

ATHENA HUYNH



N. Coventry Avenue & NW 76th Street

\$200,000 // February 2019

DAVID H. MILLER



31st Street Linwood Boulevard to Van Brunt Boulevard

\$300,000 // March 2019

JASON WALDRON



Street Car South Extension

\$1,500,000 // April 2019

PUBLIC WORKS CONSTRUCTION PROJECTS

GARRETT ROSS



Street Resurfacing 19-1 (MO River to N. City Limits)

\$3,200,000 // February 2019

GARRETT ROSS



Street Resurfacing 19-2 (MO River to 59th Street)

\$3,200,000 // February 2019

GARRETT ROSS



Street Resurfacing 19-3 (59th Street to S. City Limits)

\$3,200,000 // February 2019

GARRETT ROSS



Microsurface Designated Arterial Streets 19-MS (City Wide)

\$1,800,000 // March 2019

KIM PEMBERTON



N. Brighton Avenue 58th Street to Pleasant Valley Road

\$11,000,000 // April 2019

PUBLIC WORKS CONSTRUCTION PROJECTS

ATHENA HUYNH

**Beardsley Road Bridge**

\$2,000,000 // May 2019

ATHENA HUYNH

**Kenneth Road Bridge over Blue River**

\$4,800,000 // May 2019

KIM PEMBERTON

**NW Prairie Road S. of 64th Street**

\$8,300,000 // May 2019

ATHENA HUYNH

**N. Green Hills Road Platte Brooke Drive to NW 78th Street**

\$9,600,000 // July 2019

KERRY KANATZAR

**Big Shoal Trails Chouteau to Indiana to Jackson to N. Brighton**

\$2,300,000 // September 2019

KERRY KANATZAR

**Route 152 Trail Segment North Oak Street to Maplewoods Parkway**

\$1,600,000 // September 2019

MARIO VASQUEZ

**Chouteau to Universal Avenue**

\$5,300,000 // November 2019

JERRY NELSON

**GO Bond Sidewalk Repairs**

\$5,000,000 // November 2019

MARIO VASQUEZ

**Wornall Road 75th Street to 79th Street; Intersection of 75th Street Wornall Road**

\$8,000,000 // December 2019

KC WATER

FY2020 CAPITAL IMPROVEMENT PROGRAM

PLANNED
INVESTMENT



\$210,540,000

=

JOBS*



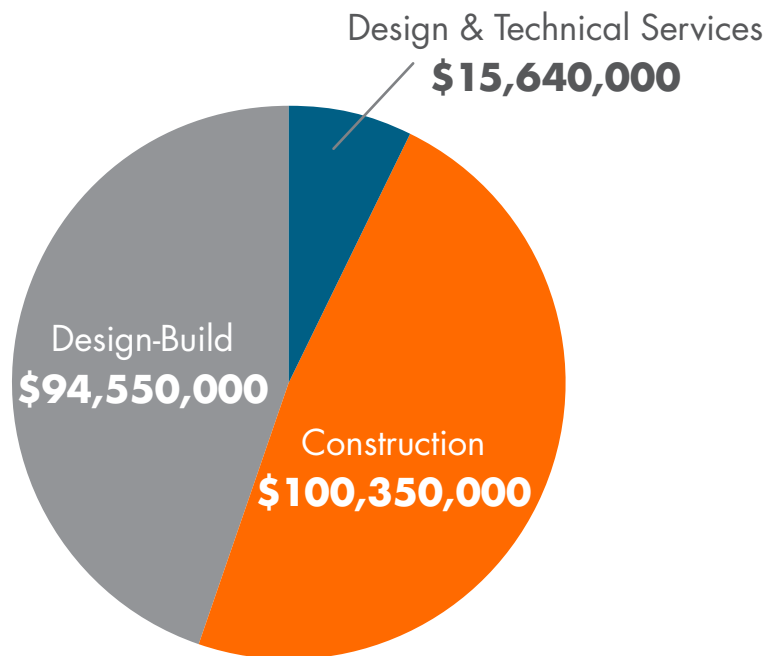
4,000+



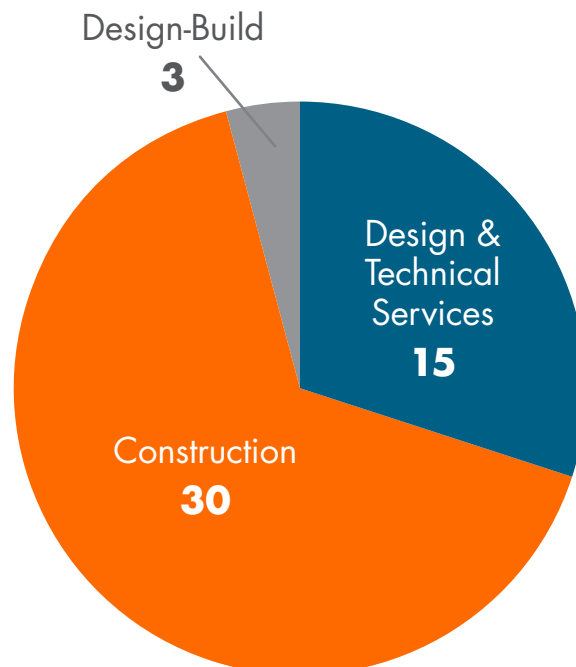
KC WATER

FISCAL YEAR 2020

VALUE OF
CONTRACTS



NUMBER OF
CONTRACTS



KC WATER PROJECT MANAGERS



BLAKE ANDERSON

816.513.0329

blake.w.anderson@kcmo.org



BON MARIE GARDNER

816.513.0354

bon.marie.gardner@kcmo.org



CARLA BERGMAN

816.513.0348

carla.bergman@kcmo.org



CHRIS HERRERA

816.513.0355

chris.herrera@kcmo.org



FELIX CARDONA

816.513.7228

felix.cardona@kcmo.gov



ALEX IVANESCU

816.513.0445

alex.ivanescu@kcmo.org



SHAWN CROSS

816.513.0422

shawn.cross@kcmo.org



MELANIE JOLLETT

816.513.0154

melanie.jollett@kcmo.org



JOHN DESCHEPPER

816.513.7252

john.deschepper@kcmo.org



ALVINA KWEH

816.513.0444

alvina.kweh@kcmo.org



KELLY FINN

816.513.0351

kelly.finn@kcmo.gov



SHAUN O'KELLEY

816.513.7262

shaun.okelley@kcmo.org

KC WATER PROJECT MANAGERS



DAN OTT
816.513.0158
dan.ott@kcmo.org



DEBRA SMITH
816.513.0293
debra.smith@kcmo.org



KARINE PAPIKIAN
816.513.0288
karine.papikian@kcmo.org



JERRY STEVENS
816.513.0446
jerald.stevens@kcmo.org



JOHN REDDY IV
816.513.0377
john.reddy@kcmo.org



TERRY THOMAS
816.513.0262
terry.d.thomas@kcmo.org



NIMESHA SENANAYAKE
816.513.0460
nimesha.senanayake@kcmo.org

KC WATER DESIGN/BUILD PROJECTS

SHAUN O'KELLEY

WWTP Safety Improvements
\$550,000

BLAKE ANDERSON

Blue River WWTP Biosolids Improvements
\$90,000,000

MULTIPLE

Water Main Replacements Design/Build
\$4,000,000

KC WATER DESIGN PROJECTS

MELANIE JOLLETT



16" Missouri River Crossing to Downtown Airport

\$150,000

DEBRA SMITH



18th Street Complex Improvements

\$2,000,000

CARLA BERGMAN



87th Street Pump Station Screen Evaluation

\$250,000

DEBRA SMITH



ADA Compliance (Water)

\$40,000

BLAKE ANDERSON



Birmingham Headworks and Electrical Improvements

\$1,000,000

BLAKE ANDERSON



Blue River Pump Station Screening and Grit Improvements

\$2,000,000

BLAKE ANDERSON



Collection System Odor Control Study

\$1,000,000

TERRY THOMAS



Hardesty and 63rd Street 36" Transmission Replacement

\$150,000

DAN OTT



SLBE-Burlington Creek/Riverside Pump Station Pre-Design

\$250,000

KC WATER DESIGN PROJECTS

SHAWN CROSS



SLBE-Birmingham Pump Station Screen Replacements

\$300,000

ALEX IVANESCU



SLBE-Kenneth Road/Holmes Sanitary Sewer Interceptor Extension Pre-Design

\$250,000

MULTIPLE



SLBE-Water Main Replacements (5 Projects)

\$1,500,000

SHAUN O'KELLEY



Todd Creek Facility Plan Update

\$750,000

MULTIPLE



Water Main Replacements (8 Projects)

\$3,500,000

CARLA BERGMAN



Water Treatment Plant Modernization Project, Phase 1

\$2,500,000

KC WATER CONSTRUCTION PROJECTS

DEBRA SMITH



10th and Harrison Building Rehabilitation

\$700,000

TERRY THOMAS



75th Street Transmission Main - Phase 1 (Main Street to Summit Street)

\$6,500,000

KC WATER CONSTRUCTION PROJECTS

MELANIE JOLLETT



131st Street Holmes to Prospect Avenue Transmission Main 16" to New Tank
\$2,200,000

TERRY THOMAS



AMI Supplemental Assistance
\$3,000,000

FELIX CARDONA



Birmingham WWTP Improvements
\$1,750,000

CARLA BERGMAN



Buckeye Pump Station Rehabilitation
\$1,500,000

KARINE PAPIKIAN



Collection System Improvements
\$7,500,000

CARLA BERGMAN



East Bottoms Pump Station Phase 3 (Valves & Header, Clearwell & Satellite Pump Station, Storage Tank Baffling & Sluice Gates)
\$17,000,000

TERRY THOMAS



Hydrant Repair City-wide
\$1,000,000

TERRY THOMAS



Large Meter Replacement
\$600,000

KC WATER CONSTRUCTION PROJECTS

JOHN DESCHEPPER



Other WWTP Improvements (Selected Instrumentation Replacement/Upgrade)

\$400,000

JOHN REDDY IV



Prospect Road Elevated Tank

\$6,000,000

CHRIS HERRERA



Replace Switchgear at Water Treatment Plant Secondary Pump Station

\$12,000,000

JERRY STEVENS



Supplemental Workforce for Transmission Repairs including Large and Critical Valves

\$1,650,000

TERRY THOMAS



Supplemental Workforce for Valve Repair and Replacement Program

\$2,000,000

TERRY THOMAS



Supplemental Workforce for Water Distribution Repairs

\$1,000,000

JERRY STEVENS



Water Main Replacement (75th and Cleveland, Swope Industrial Levee)

\$500,000

NIMESHA SENANAYAKE



Water Main Replacement in the Area of Cherry Street to Prospect Avenue, E 122nd Street to E 130th Street

\$1,730,000



KC WATER CONSTRUCTION PROJECTS

TERRY THOMAS



Water Main Replacement in the Area of College Avenue to James A. Reed Road, E 71st Street to E 80th Terrace

\$2,850,000

KELLY FINN



Water Main Replacement in the Area of Genessee Street to Euclid Avenue, E 1st Street to E 23rd Street

\$1,410,000

MELANIE JOLLETT



Water Main Replacement in the Area of Glen Arbor Terrace to Virginia Avenue, E 110th Street to E 117th Street

\$1,530,000

TERRY THOMAS



Water Main Replacement in the Area of I-435 to Oxford Avenue, E 49th Street to E 59th Street

\$1,290,000

JERRY STEVENS



Water Main Replacement in the Area of Monroe Avenue to Hardesty Avenue, E 43rd Street to E 47th Street

\$1,140,000

ALVINA KWEH



Water Main Replacement in the Area of N Chaumiere Road to N Cleveland Avenue, NE Russell Road to NE 43rd Street

\$810,000

TERRY THOMAS



Water Main Replacement in the Area of N Lister Avenue to N Sycamore Drive, NE 47th Street to NE 62nd Street

\$1,830,000

KELLY FINN



Water Main Replacement in the Area of Norton Avenue to Quincy Avenue, E 52nd Street to E 55th Street

\$1,200,000

KC WATER CONSTRUCTION PROJECTS

MELANIE JOLLETT

Water Main Replacement in the Area of Wallace Avenue to Willow Avenue, E 29th Terrace to E 39th Terrace

\$1,560,000

TERRY THOMAS

Water Main Replacement in the Area of Wyoming Avenue to Flora Avenue, W 65th Street to W 78th Street

\$7,500,000

CHRIS HERRERA

Wastewater SCADA Improvements

\$9,000,000

BON MARIE GARDNER

WSD Learning Labs

\$3,200,000



SMART SEWER

FY2020 CAPITAL IMPROVEMENT PROGRAM

PLANNED
INVESTMENT



\$141,455,000

=

JOBS*



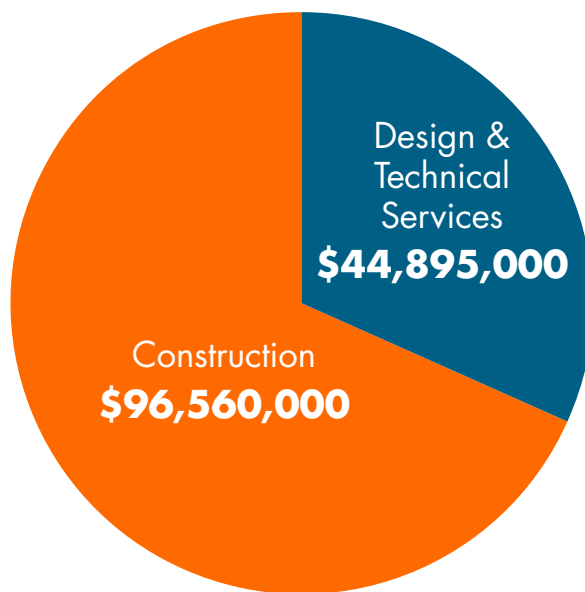
2,700+



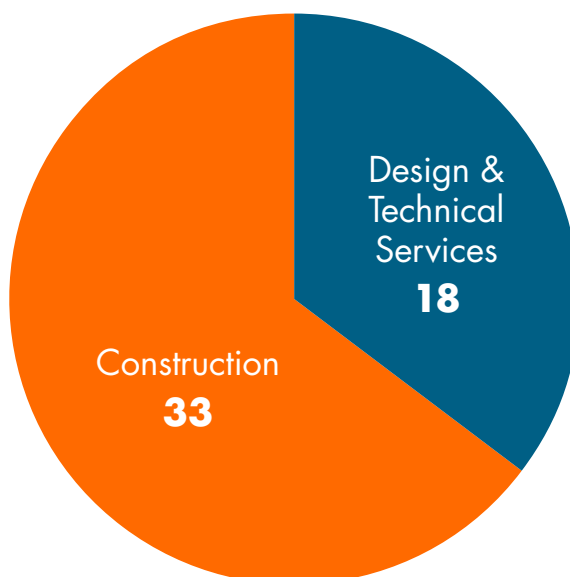
SMART SEWER

FISCAL YEAR 2020

VALUE OF
CONTRACTS



NUMBER OF
CONTRACTS



FISCAL YEAR 2020

Programmatic Element	Contracts	Value
Green Infrastructure	4	\$14,700,000
Inflow & Infiltration Reduction	31	\$50,470,000
Neighborhood Sewer Rehabilitation	2	\$19,425,000
Pumping & Conveyance	3	\$20,660,000
Sewer Separation	1	\$600,000
Storage & Conveyance	1	\$3,500,000
Sewer Cleaning & CCTV	2	\$3,400,000
Sewer Rehabilitation	2	\$15,000,000
Programmatic Elements/Services	5	\$13,700,000
Total	51	\$141,455,000



SMART SEWER PROJECT MANAGERS



CLIFF CATE
816.823.7128
ckcate@burnsmcd.com



WILLIE WILLIAMS
816.447.9871
wgwilliams@burnsmcd.com



NICKI CHESTNUT
816.995.9211
nchestnut@tb-engr.com



BRI ZICKEFOOSE
816.627.3373
bzickefoose@burnsmcd.com



PRIYA IYENGAR
816.513.0579
padmavathi.iyengar@kcmo.org



REZA ZONNOOZ
816.513.0309
reza.zonnooz@kcmo.org



JULIE MCNIFF
816.477.9892
jmcniff@burnsmcd.com



KHOA NGUYEN
816.513.0264
khoa.nguyen@kcmo.org



KYLE TONJES
816.627.6104
kltonjes@burnsmcd.com

SMART SEWER FY20 DESIGN PROJECTS

WILLIE WILLIAMS



Supplemental I/I Reduction Project: Round Grove

\$500,000 // February 2019*

WILLIE WILLIAMS



15th Street Pump Station and Sewer Separation

\$490,000 // February 2019*

KYLE TONJES



Relief Sewer: Hardesty Avenue and 31st Street

\$425,000 // March 2019*

KYLE TONJES



Relief Sewer: Vineyard and Lawn Street

\$425,000 // March 2019*

CLIFF CATE



Keep Out the Rain

\$2,000,000 // March 2019*

CLIFF CATE



Keep Out the Rain

\$2,000,000 // March 2019*

CLIFF CATE



Keep Out the Rain

\$2,000,000 // March 2019*

NICKI CHESTNUT



I/I Reduction: Northern Basins Project Area 1

\$400,000 // November 2019

NICKI CHESTNUT



I/I Reduction: Northern Basins Project Area 2

\$300,000 // November 2019

BRIE ZICKEFOOSE



Relief Sewer: 45th Street

\$125,000 // November 2019

SMART SEWER FY20 DESIGN PROJECTS

BRIE ZICKEFOOSE



Dry Weather Sewer Line: Outfall 055

\$60,000 // November 2019

PRIYA IYENGAR



Sewer Separation: Outfall 054

\$600,000 // December 2019

KYLE TONJES



RT-DSS Implementation: Additional OK Creek Gates

\$3,500,000 // February 2020

PRIYA IYENGAR



Town Fork Creek/63rd Street GI Level 3

\$8,000,000 // March 2020

SMART SEWER FY20 CONSTRUCTION PROJECTS

REZA ZONNOOZ



Neighborhood Sewer Rehabilitation: Turkey Creek/Central Industrial District - Package 2

\$9,200,000 // February 2019*

WILLIE WILLIAMS



Round Grove Pump Station Upgrade

\$19,500,000 // March 2019*

PRIYA IYENGAR



Lower Blue River Green Infrastructure - Area 2

\$2,700,000 // April 2019*

JULIE MCNIFF



City Wide Sewer Rehabilitation FY20

\$10,000,000 // April 2019*

JULIE MCNIFF



City Wide Sewer Rehabilitation FY20

\$5,000,000 // April 2019*

SMART SEWER FY20 CONSTRUCTION PROJECTS

KHOA NGUYEN



Neighborhood Sewer Rehabilitation: Lower Blue River Package 1

\$9,250,000 // May 2019

KHOA NGUYEN



Neighborhood Sewer Rehabilitation: Lower Blue River Package 2

\$9,250,000 // June 2019

SMART SEWER
PROGRAM



I/I Reduction: Little Blue River Basin Project Area 1

\$11,150,000 // October 2019

REZA ZONNOOZ



I/I Reduction: Little Blue River Basin Project Area 2

\$8,000,000 // December 2019

REZA ZONNOOZ



I/I Reduction: Blue River South Basin Projects 4 and 5 - Phase 2

\$5,775,000 // March 2020



SMART SEWER

FY2021 CAPITAL IMPROVEMENT PROGRAM

PLANNED
INVESTMENT



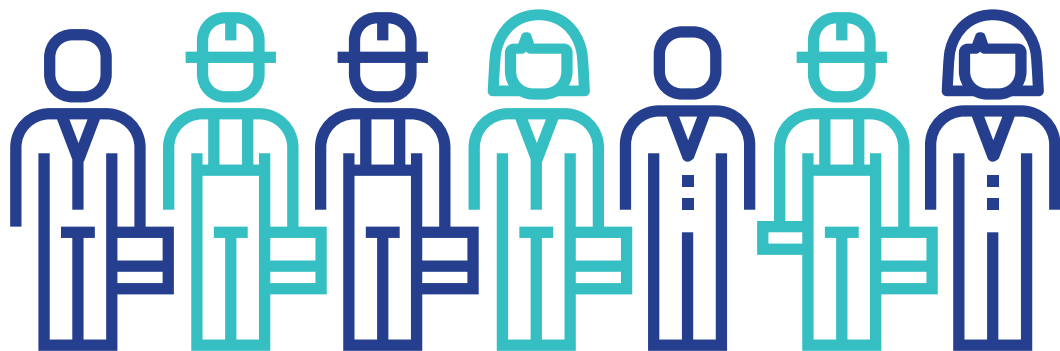
\$141,715,000

=

JOBS*



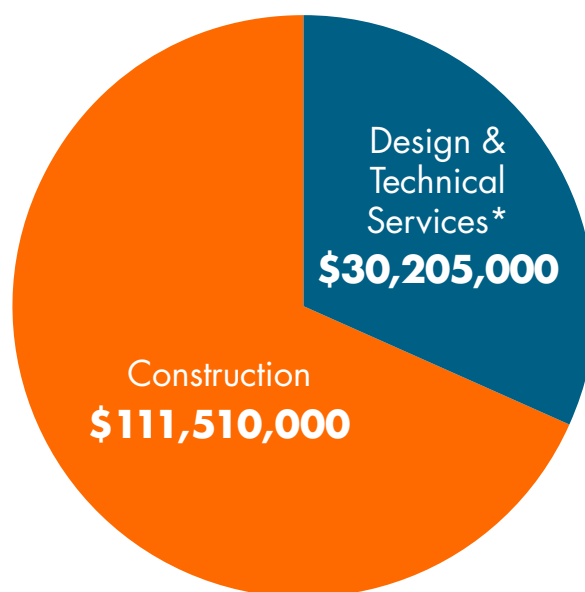
2,700+



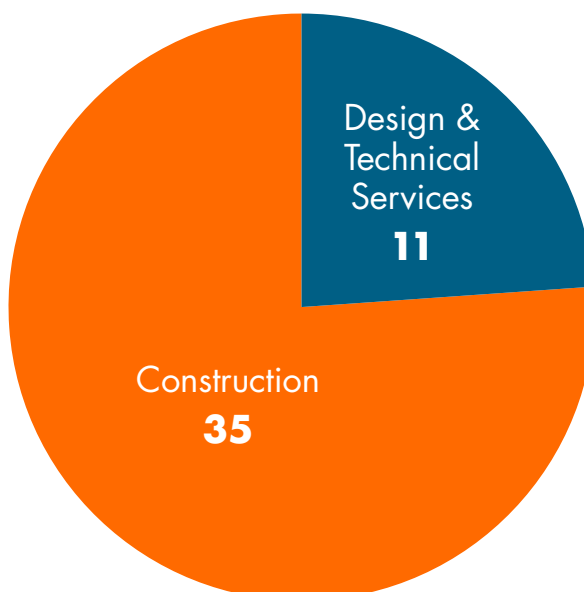
SMART SEWER

FISCAL YEAR 2021

VALUE OF
CONTRACTS



NUMBER OF
CONTRACTS



FISCAL YEAR 2021

Programmatic Element	Contracts	Value
Green Infrastructure	2	\$5,000,000
Inflow & Infiltration Reduction	29	\$55,780,000
Pumping & Conveyance	3	\$9,975,000
Sewer Separation	4	\$36,060,000
Sewer Cleaning & CCTV	2	\$6,000,000
Sewer Rehabilitation	2	\$15,000,000
Programmatic Elements/Services	4	\$13,900,000
Total	46	\$141,715,000



SMART SEWER FY21 CONSTRUCTION PROJECTS

JULIE MCNIFF



City Wide Sewer Rehabilitation FY 21

\$10,000,000 // May 2020

JULIE MCNIFF



City Wide Sewer Rehabilitation FY 21

\$5,000,000 // May 2020

WILLIE WILLIAMS



Sewer Separation: 31st Street and Broadway

\$11,000,000 // June 2020

JULIE MCNIFF



I/I Reduction: Birmingham/Shoal Creek Project Area 2

\$8,150,000 // November 2020

BRIE ZICKEFOOSE



Baseline Improvements: Town Fork Creek

\$2,850,000 // November 2020

NICKI CHESTNUT



I/I Reduction: Line Creek/Rock Creek Basin Projects 3 and 4

\$11,775,000 // December 2020

WILLIE WILLIAMS



I/I Reduction: Middle Blue River Area 13 and Round Grove

\$7,750,000 // December 2020

WILLIE WILLIAMS



15th Street Pump Station Upgrade and Sewer Separation

\$3,500,000 // January 2021

PRIYA IYENGAR



Sewer Separation: 40th and Monroe

\$20,200,000 // February 2021

SMART SEWER FY21 CONSTRUCTION PROJECTS

KYLE TONJES



Relief Sewer: Hardesty Avenue and 31st Street

\$3,000,000 // February 2021

KYLE TONJES



Relief Sewer: Vineyard and Lawn Street

\$3,000,000 // March 2021

BRIE ZICKEFOOSE



I/I Reduction: Birmingham/Shoal Creek Projects 3

\$6,200,000 // April 2021





[illegible]

THANK YOU TO OUR SPONSORS



ACE PIPE CLEANING
A Carylton Company



AECOM



benesch



BLACK & VEATCH



BURNS  **MCDONNELL**

**CDM
Smith**

BLUE SPRINGS
WinwaterTM
COMPANY



 **carollo**
Engineers...Working Wonders With Water®



DFW 
INFRASTRUCTURE, Inc.

DuBois  Consultants
CIVIL + STRUCTURAL ENGINEERING



GBA 

Garney
CONSTRUCTION
ADVANCING WATER



