



KC WATER

FISCAL YEAR 2017 CAPITAL IMPROVEMENT PROGRAM

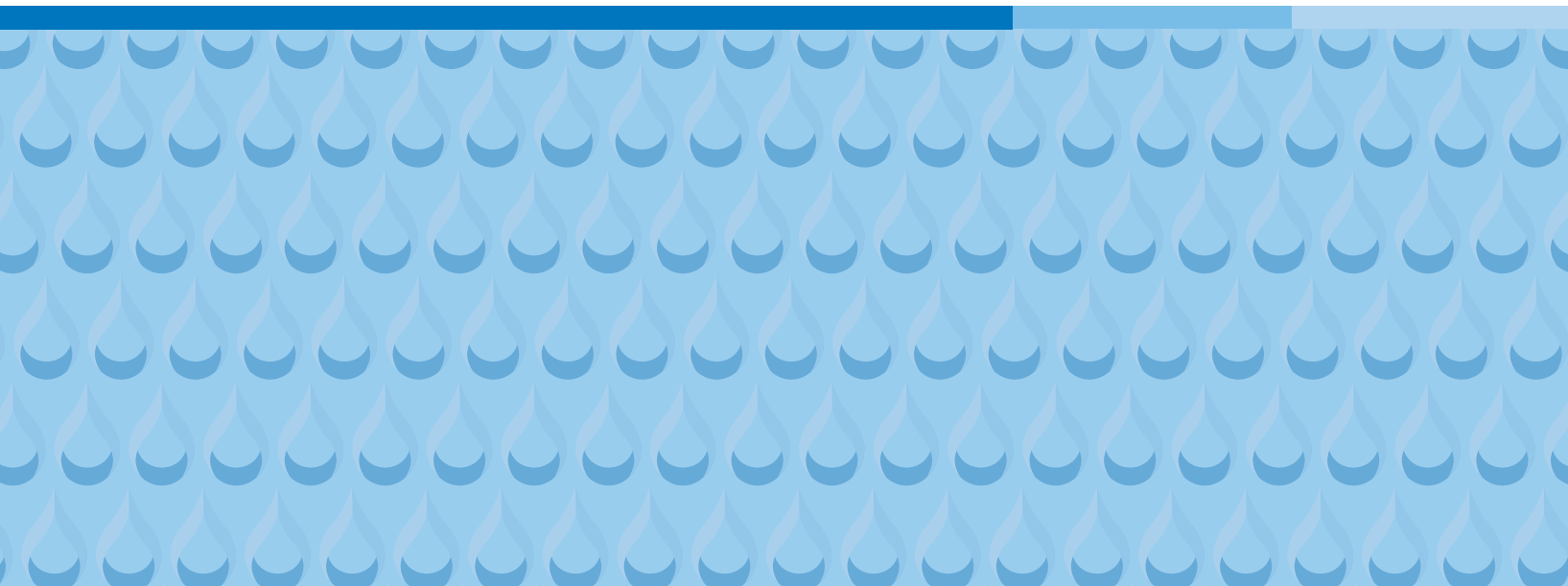


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Mission Statement

KC Water is committed to providing excellent water, wastewater, and stormwater services that ensure the health and safety of our customers while safeguarding our regional water resources for future generations.

KC WATER ASSETS



1 Water Treatment Plant
18 Pump Stations
2,800 Miles of Water Main
35,000 Valves
23,000 Fire Hydrants



6 Wastewater Treatment Plants
39 Pump Stations
2,800 Miles of Sewer Main
67,000 Manholes



630 Miles of Storm Sewer
53,000 Storm Inlets
15 Stormwater Pump Stations
13.5 Miles of Levee

470,000
KC Residents
Served

150,000
Residential
Customers

20,000
Commercial
Customers

32
Wholesale
Water
Customers

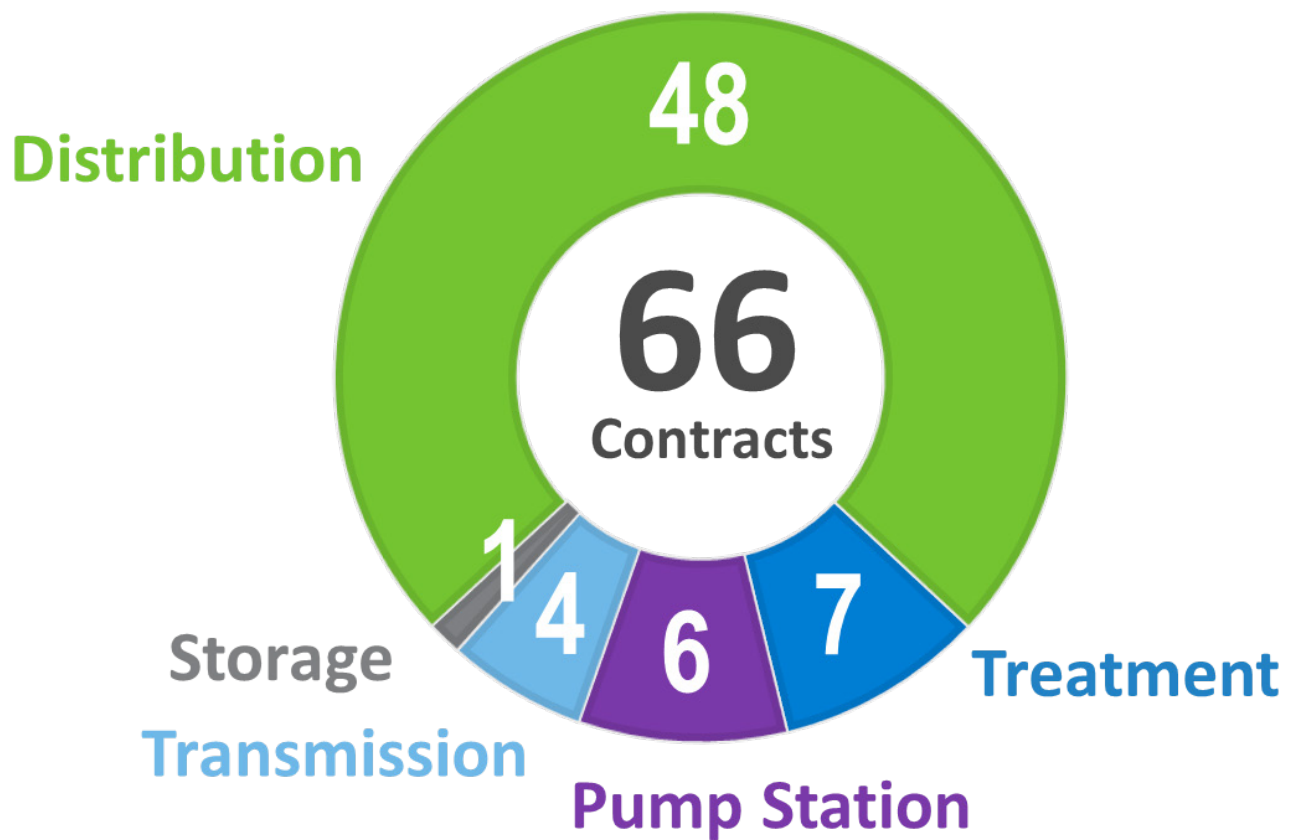
27
Wholesale
Wastewater
Customers

\$350 M
Enterprise
850+
Employees

KC WATER PROJECT MANAGER DIRECTORY

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FISCAL YEAR 2017 WATER CIP



| Budget Amounts by Project Type | |
|--------------------------------|----------------------|
| Treatment | \$22,300,000 |
| Pump Station | \$5,716,000 |
| Transmission | \$10,459,000 |
| Storage | \$2,000,000 |
| Distribution | \$60,759,000 |
| Total | \$101,234,000 |



PUMP STATION

DESIGN



East Bottoms Pump Station Phase 3
\$915,000 | July 2016



Carla Bergman
Facilities



Risk-Based Asset Management Program for Pump
Stations
\$300,000 | December 2016



John Reddy
Facilities



TRANSMISSION



NW Waukomis Drive from Englewood Rd. to NW
62nd St.
\$250,000 | May 2016



Kelly Finn
Systems



Transmission Main Improvements: 131st St.,
Holmes Rd. to Prospect Ave.
\$435,000 | September 2016



Kelly Finn
Systems



TREATMENT



Risk-Based Asset Management Program for
Facilities
\$175,000 | December 2016



John Reddy
Facilities



STORAGE

DESIGN



Elevated Tank: Prospect Rd., Shoal Creek,
Downtown, and Blue Ridge
\$2,000,000 | June 2016



John Reddy
Facilities



DISTRIBUTION



Water Main Replacement: Bales Ave. to
Belmont Ave.; E. 99th St. to E. 107th St.
\$420,000 | June 2016



Rebecca Mitchell
Systems



Water Main Replacement: Wyoming Ave. to Flora
Ave.; W. 65th St. to W. 78th St.
\$330,000 | June 2016



Reza Zonnooz
Systems



Water Main Replacement: College Ave. to James
A Reed Rd.; E. 71st St. to E. 80th Ter.
\$280,000 | June 2016



Terry Thomas
Systems



Water Main Replacement: Northern Ave. to Lee's
Summit Rd.; E. 49th St. to E. 62nd St.
\$210,000 | June 2016



Reza Zonnooz
Systems



Water Main Replacement: N. Lister Ave. to N.
Sycamore Dr.; NE 47th St. to NE 62nd St.
\$180,000 | June 2016



Terry Thomas
Systems



DISTRIBUTION

DESIGN



Water Main Replacement: Wallace Ave. to Willow Ave.; E. 29th Ter. to E. 39th Ter.
\$160,000 | June 2016 | SLBE-WSDEPS



Rebecca Mitchell
Systems



Water Main Replacement: E. 139th St. to Peterson Rd. to Sampson Rd.
\$130,000 | June 2016



Reza Zonnooz
Systems



Water Main Replacement: Genessee St. to Euclid Ave.; E. 1st St. to E. 23rd St.
\$130,000 | June 2016 | SLBE-WSDEPS



Kelly Finn
Systems



Water Main Replacement: Monroe Ave. to Hardesty Ave.; E. 43rd St. to E. 47th St.
\$120,000 | June 2016 | SLBE-WSDEPS



Rebecca Mitchell
Systems



Water Main Replacement: N. Chaumiere Rd. to N. Cleveland Ave.; NE Russell Rd. to NE 43rd St.
\$80,000 | July 2016 | SLBE-WSDEPS



Rebecca Mitchell
Systems



Water Main Replacement: I-435 to Oxford Ave.; to E. 49th St. to E. 59th St.
\$130,000 | July 2016 | SLBE-WSDEPS



Terry Thomas
Systems



Water Main Replacement: Glen Arbor Ter. to Virginia Ave.; E. 110th St. to E. 117th St.
\$160,000 | July 2016



Reza Zonnooz
Systems



DISTRIBUTION

DESIGN



Water Main Replacement: Cherry St. to Prospect Ave.; E. 122nd St. to E. 130th St.
\$180,000 | July 2016



Brooke Hudlemeyer
Systems



Water Main Replacement: Ward Parkway to Main St.; W. 85th St. to Western Hills Dr.
\$200,000 | July 2016



Diana M. Johnson
Stormwater



Water Main Replacement: Crystal Ave. to Greenwood Rd.; E. 103rd St. to E. 115th St.
\$220,000 | July 2016 | SLBE-WSDEPS



Brooke Hudlemeyer
Systems



Water Main Replacement: N. Troost Ave. to N. Cleveland Ave.; NE 46th St. to NE Englewood Rd.
\$310,000 | July 2016



Kelly Finn
Systems



Water Main Replacement: Jarboe St. to Brooklyn Ave.; W. 79th St. to E. 86th St.
\$360,000 | July 2016



Brooke Hudlemeyer
Systems



Water Main Replacement: Norton Ave. to Quincy Ave.; E. 52nd St. to E. 55th St.
\$120,000 | July 2016 | SLBE-WSDEPS



Kelly Finn
Systems



TREATMENT

CONSTRUCTION



Electrical Service Reliability at Wastewater Treatment Plant
\$5,000,000 | September 2016



Carla Bergman
Facilities



Chemical Building
(Lime Slakers)
\$4,000,000 | February 2017



Richard Parmeter
Facilities



Water Treatment Plant Improvements to Basin Walkways, Launderers, Supports, Equipment and Weirs
\$9,525,000 | March 2017



John C. Parks
Facilities



Valve Replacements at Water Treatment Plant Intake
\$1,600,000 | March 2017



John C. Parks
Facilities



SCADA System
(North System Automation)
\$500,000 | April 2017



Chris Herrera
Facilities



SCADA System
(South System Automation)
\$1,500,000 | April 2017



Chris Herrera
Facilities



PUMP STATION

CONSTRUCTION



Dehumidification at Secondary Pump Station
\$200,000 | November 2016



Bon Marie Gardner
Facilities



Turkey Creek Pump Station Improvements
\$1,300,000 | January 2017



Richard Parmeter
Facilities



TRANSMISSION



Arrowhead Phase III: N. Oak to Englewood Rd.
\$6,775,000 | May 2016



Kelly Finn
Systems



NW Englewood Rd. from U.S. 169 to NW
Waukomis
\$3,000,000 | May 2016



Kelly Finn
Systems



DISTRIBUTION

CONSTRUCTION



Water Main Replacement: Wiedenmann Pl. to Agnes Ave.; W. 42nd St. to E. 67th St.
\$426,000 | May 2016



Rebecca Mitchell
Systems



Water Main Replacement: Bristol Ave. to Booth Ave.; E. 47th Ter. to E. 73rd St.
\$2,000,000 | May 2016



Kelly Finn
Systems



Water Main Replacement: Highland Ave. to Hillcrest Rd.; E. 79th St. to E. 100th Ter.
\$5,745,000 | June 2016



Brooke Hudlemeyer
Systems



Water Main Replacement:
N. Kansas Ave. to N. Cypress Ave.; NE 41st St. to NE 57th Ter.
\$2,300,000 | June 2016



Terry Thomas
Systems



Water Main Replacement: Hillcrest Rd. to Wallace Ave.; E. 74th St. to E. 86th St.
\$1,275,000 | July 2016



Khoa Nguyen
Systems



Water Main Replacement: Raytown Rd., E. 87th St., and E. Bannister Rd.
\$1,300,000 | July 2016



Paul South
Systems



Water Main Replacement: Askew Ave. to Belmead Rd.; E. 33rd St. to E. 53rd St.
\$2,250,000 | July 2016



Reza Zonnooz
Systems



DISTRIBUTION

CONSTRUCTION



Water Main Replacement: N. Park Plaza Dr. to N. Agnes Ave.; NW 65th Pl. to NE 88th St.
\$2,690,000 | July 2016



Rebecca Mitchell
Systems



Water Main Replacement: Mercier St. to Woodland Ln.; W. 90th Ter. to E. 100th Ter.
\$2,250,000 | August 2016



Kelly Finn
Systems



Water Main Replacement: Mercier St. to Wayne Ave.; W. 72nd St to W. 87th St.
\$5,000,000 | August 2016



Terry Thomas
Systems



Water Main Replacement: N. Oak Trfy to N. Tracy Ave.; NE 96th Ter. to NE Cookingham Dr.
\$1,100,000 | August 2016



Reza Zonnouz
Systems



Water Main Replacement: Terrace St. to Euclid Ave.; E. 3rd St. to W. 32nd Ter.
\$1,260,000 | September 2016



Rebecca Mitchell
Systems



Water Main Replacement: N. Oak Trfy to N. Brooklyn Ave.; NE Russell Rd. to NE Englewood Rd.
\$1,835,000 | September 2016



Kelly Finn
Systems



Water Main Replacement: Manchester Ave. to SW View High Dr.; E. Bannister Rd. to Longview Rd.
\$2,500,000 | September 2016



Brooke Hudlemeyer
Systems



DISTRIBUTION

CONSTRUCTION



Water Main Replacement: Washington St. to Prospect Ave.; 108th Ter. to E. 155th St.
\$2,500,000 | October 2016



Rebecca Mitchell
Systems



Water Main Replacement: Noland Rd. to Rhinehart Rd.; Little Blue Rd. to E. 87th St.
\$1,400,000 | October 2016



Reza Zonnooz
Systems



Water Main Replacement: Winchester Ave. to Hardy Ave.; E. Truman Rd. to E. 40th Ter.
\$1,800,000 | November 2016



Kelly Finn
Systems

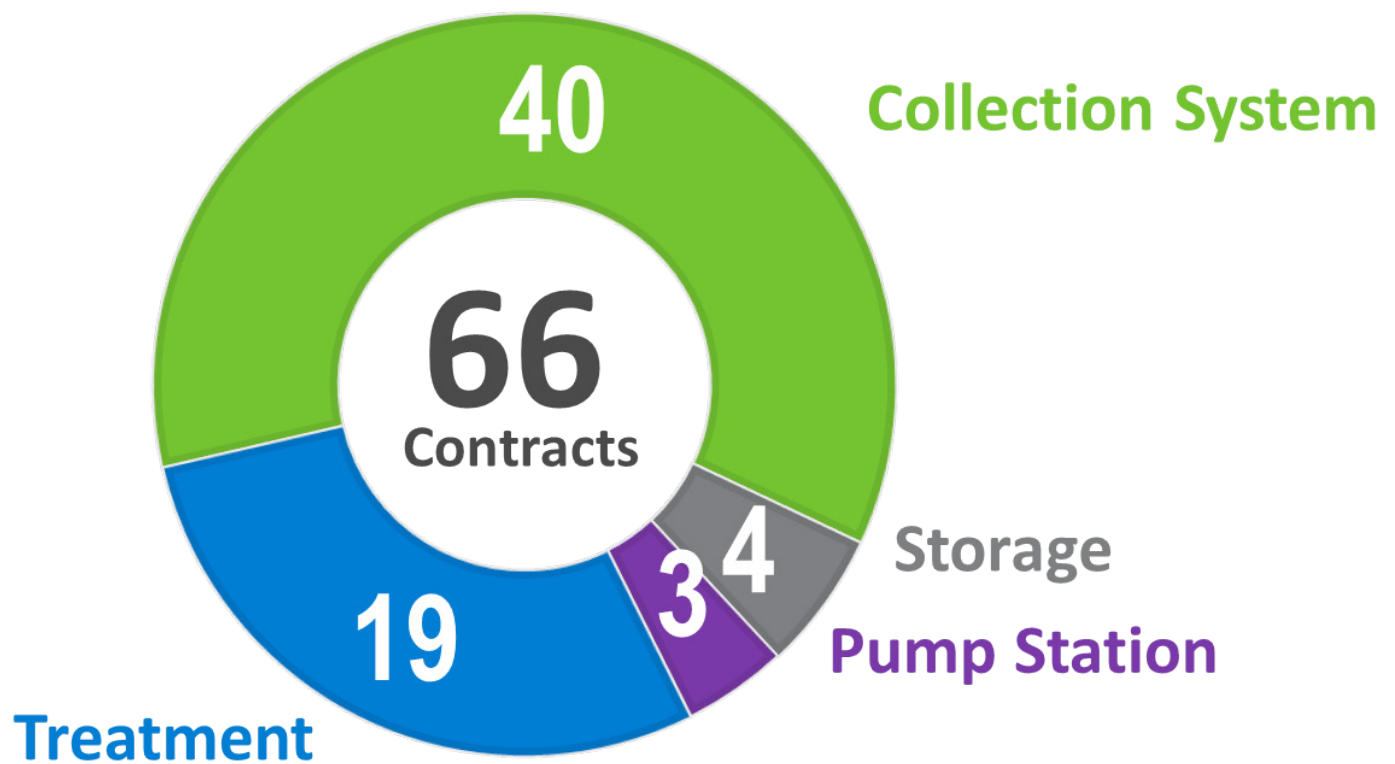


Water Main Replacement: Noland Rd. to Emery Ave.; E. 49th St. to Little Blue Rd.
\$2,500,000 | November 2016



Reza Zonnooz
Systems

FISCAL YEAR 2017 WASTEWATER CIP



| Budget Amounts by Project Type | |
|--------------------------------|----------------------|
| Collection System | \$141,500,000 |
| Storage | \$25,842,000 |
| Pump Station | \$8,350,000 |
| Treatment | \$31,530,000 |
| Total | \$207,222,000 |



TREATMENT

DESIGN



Motor Control Replacement: 15th & Crystal,
Round Grove, Blue River
\$250,000 | July 2016



Morris Ross
Facilities



Relocate Operational Controls to Pump Station
at Pump Station 7
\$100,000 | July 2016



Morris Ross
Facilities



Burlington Creek Force Main/Pump Station
Improvements
\$100,000 | July 2016 | SLBE-WSDEPS



John Reddy
Facilities



KC Water Learning Labs
\$250,000 | July 2016



Bon Marie Gardner
Facilities



Replace External/Internal Lighting at
Birmingham, Westside and Todd Creek
\$200,000 | August 2016



Bon Marie Gardner
Facilities



Replace BR Secondary Switchgear
\$200,000 | August 2016



Chris Herrera
Facilities



Study: Nutrient Removal (Westside Wastewater
Treatment Plant)
\$250,000 | September 2016



Blake Anderson
Facilities



TREATMENT

DESIGN



Replace Digester Piping and MCC's for all
3 DAFs
\$350,000 | October 2016



John C. Parks
Facilities



New Building for Maintenance Shop and Offices
\$300,000 | January 2017



Blake Anderson
Facilities



WASTEWATER ADMINISTRATION



1720 Wabash Rehabilitation
\$250,000 | June 2016



Debra Smith
Facilities



OVERFLOW CONTROL PROGRAM

DESIGN



Pump Station Upgrade: Round Grove
\$1,100,000 | May 2016



Overflow Control
Program



Neighborhood Sewer Rehabilitation: Northeast
Industrial District
\$1,600,000 | September 2016



Alex Ivanescu
Systems



Neighborhood Sewer Rehabilitation: Lower Blue
River
\$2,540,000 | September 2016



Julie Jenson
Systems



Blue River Watershed Management Plan: Year 1
Integrated Planning
\$100,000 | March 2017



Overflow Control
Program



Dry Weather Sewer Line: Outfall 056
\$45,000 | March 2017 | SLBE-WSDEPS



Overflow Control
Program



Neighborhood Sewer Rehabilitation: Turkey
Creek/Central Industrial District
\$2,540,000 | April 2017



Terry Godard
Stormwater



TREATMENT

DESIGN-BUILD



Odor Control Improvements Phase II
at Blue River
\$9,000,000 | May 2016



Blake Anderson
Facilities



Blue River Solids Management Phase I
\$5,000,000 | June 2016



Bon Marie Gardner
Facilities



3 Vertical Climbing Bar Screens Line Creek
\$1,900,000 | July 2017



Richard Parmeter
Facilities



COLLECTION



City-wide Sewer Manhole Stabilization within
Waterways
\$4,00,000 | May 2015



**Overflow Control
Program**



PUMP STATION

CONSTRUCTION



Buckeye Pump Station Improvements
Construction Phase Services | \$360,000 | April 2017
Construction | \$6,890,000 | April 2017



John C. Parks
Facilities



TREATMENT



West Lagoon Clean Out and Reseal
Construction Phase Services | \$120,000 | September 2016
Construction | \$2,190,000 | September 2016



Joe Remmers
Facilities



Birmingham Grit Removal and Blowers
Construction Phase Services | \$480,000 | October 2016
Construction | \$9,600,000 | October 2016



Blake Anderson
Facilities



OVERFLOW CONTROL PROGRAM

CONSTRUCTION



Blue River North I/I Reduction

Construction Phase Services | \$194,000 | August 2016
Construction | \$3,880,000 | August 2016



Overflow Control
Program



Sewer Separation at Diversion Structure 099

Construction Phase Services | \$90,000 | August 2016
Construction | \$1,700,000 | August 2016



Overflow Control
Program



Blue River South I/I Reduction Area 3

Construction Phase Services | \$150,000 | October 2016
Construction | \$3,070,000 | October 2016



Julie Jenson
Systems



Line Creek/Rock Creek I/I Reduction Area 1

Construction Phase Services | \$180,000 | November 2016
Construction | \$3,690,000 | November 2016



Overflow Control
Program



Small Sewer Rehabilitation: Town Fork Creek

Construction Phase Services | \$720,000 | November 2016
Construction | \$14,350,000 | November 2016



Julie Jenson
Systems



Sewer Separation at Outfall 067

Construction Phase Services | \$1,290,000 | December 2016
Construction | \$25,700,000 | December 2016



Overflow Control
Program



Blue River Central I/I Reduction Area 1

Construction Phase Services | \$250,000 | December 2016
Construction | \$4,920,000 | December 2016



Alex Ivanescu
Systems



OVERFLOW CONTROL PROGRAM

CONSTRUCTION



Relief Sewer at Diversion Structure 068
Construction Phase Services | \$280,000 | December 2016
Construction | \$5,650,000 | December 2016



**Overflow Control
Program**



In-Line Storage: OK Creek Gates
Construction Phase Services | \$230,000 | February 2017
Construction | \$4,610,000 | February 2017



**Bon Marie Gardner
Facilities**



Blue River Central I/I Reduction Area 2
Construction Phase Services | \$260,000 | March 2017
Construction | \$5,260,000 | March 2017



**Priya Iyengar
Systems**



Line Creek/Rock Creek I/I Reduction Area 2
Construction Phase Services | \$330,000 | April 2017
Construction | \$6,600,000 | April 2017



**Overflow Control
Program**



Pump Station & In-line Storage at Gooseneck
Arch Sewer
Construction Phase Services | \$1,000,000 | April 2017
Construction | \$20,000,000 | April 2017



**Carla Bergman
Facilities**

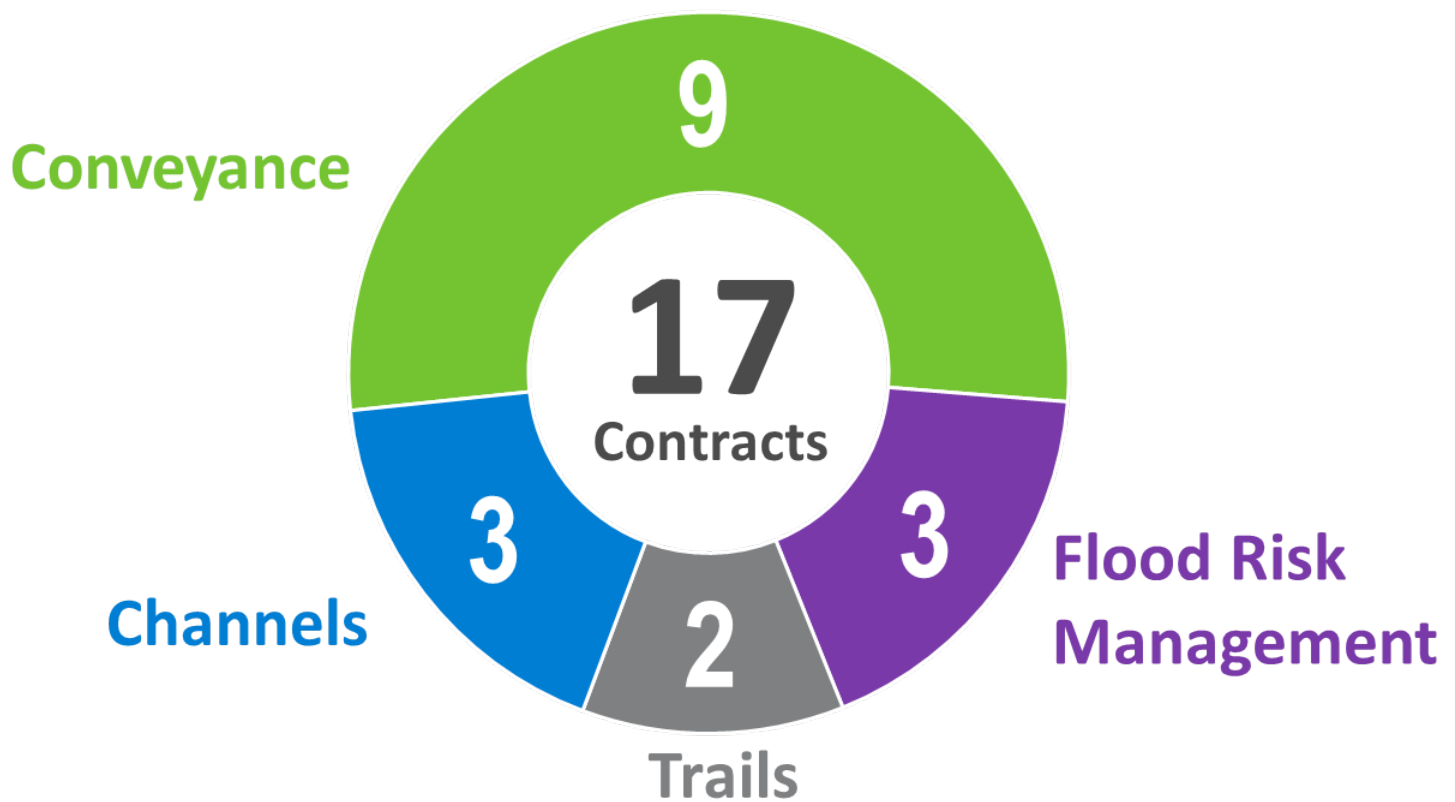


Blue River South I/I Reduction Area 5
Construction Phase Services | \$170,000 | April 2017
Construction | \$3,430,000 | April 2017



**Julie Jenson
Systems**

FISCAL YEAR 2017 STORMWATER CIP



| Budget Amounts by Project Type | |
|--------------------------------|---------------------|
| Conveyance | \$3,094,000 |
| Flood Risk Management | \$9,700,000 |
| Trails | \$4,000,000 |
| Channels | \$800,000 |
| Total | \$17,594,000 |



STORMWATER IMPROVEMENTS

CONSTRUCTION



KC Levees - Argentine Unit
\$1,800,000 | September 2016



Lynda Hoffman
Waterways



Swope Park Industrial Area Bank
Stabilization/Levee
\$5,900,000 | September 2016



Mickey Cruse
Waterways



Blue River Basin - Dodson
\$2,000,000 | March 2017



Terry Winbush
Waterways



Blue River Trails:
Seg B - Brush Creek to Stadium Drive
\$2,000,000 | November 2016



Dondrea Fisher
Waterways



Blue River Trails:
Seg C - Stadium Drive to Corrington Park
\$2,000,000 | April 2017



Dondrea Fisher
Waterways