

KC Water FY22-FY23 Capital Improvements Program

Matt Bond, Deputy Director
Jeff Martin, Chief Engineering Officer
Srini Vallabhaneni, Smart Sewer Officer

May 12, 2021





Engineering Business Unit Updates

Matt Bond

Deputy Director, Engineering and Compliance



Engineering and Compliance

Effective May 4, 2021

Matt Bond
Deputy Director
Engineering & Compliance

Debra Perillo
Administrative
Officer

Andy Shively
Standards and Quality
Control Director

Richard Snedegar
Senior Acquisition
Specialist

Jeff Martin
Chief Engineering
Officer

Nancy Smith
Senior AA
311 Support

Travis Kiefer
Permitting and
Development Division

Srini Vallabhaneni
Smart Sewer
Officer

Maryanne Horn
Administrative
Officer

Willie Roman
Contracts
Administration

Sherri Irving
Regulatory
Compliance

Aurora Shields
Laboratory

Brian Kipper
Drafting

Planning and Development Coordination
KC Water Permits
Heather Massey
Water Main Extension Section
Kirk Rome

Payments Contracts
Leona Walton

Environmental Compliance
Matt Lary
• Discharge permits
• Industrial Pretreatment
• Inspections
City-wide Environmental Coordination
Scott Cahail
• Sewer Allowance Credit
• MS4 Coordination
Household Hazardous Waste
Robert Fort

Assistant Laboratory Manager
Jessica Jensen
• Sample Collection and Receiving-Daryl Young
• Microbiology-Keshawne Ingram
• General Chemistry-Ashley Larsen
• Organics-Lori Scott
• Metals-Stephen Albin

Blake Anderson
Facilities Division

Matt Thomas
Investigations & Inspections Division

Melanie Jollett
Water Distribution Division

Dan Ott
Project Management Section

Karine Papikian
Collection Systems Section

Tom Kimes
Stormwater Division

Brian Hess
Smart Sewer Division

Capital Improvement Projects
Blake Anderson*
• O&M Support
• Repair Replacement
• Architectural Services
• Electrical

Buildings Maintenance
Morris Jones

Emergency Contracts Inspections
Todd Hawes
North-Dan Richardson
South- Sean Allen
Survey-Jeff Bjaastad

Investigations
Jeff Pierce
WW/Storm--Danny Hudson
Private Lines--David Morgan
CCTV-Amir Kenner
Leak Survey--Ollie Shields
Tomas Hernandez
Henry Tanner

311 Support
Spencer Jett

CIP Project/O&M Support
Distribution Planning/Projects

Project Management
• Procedures
• Consultant Evaluations
• Graduate Engineer Development
• Project Support (eBuilder)
Alvina Kweh
• Scheduling Specialist
Zach Monroe

Sewer assessment Districts/Extensions
Annual Sewer Rehabilitation

CIP Project/O&M Support
Levee Systems/MS4
Richard Gaskin
• Levee Impacts
• CIP Projects
• Interior Drainage
Urban Drainage
Amy Bunnell
Problem Resolution
Other Activities
Emergency Operations
Flood Plain Consult
James Walton
Stormwater Planning
Jose Lopez
MS4 Compliance
Jing Tao

Smart Sewer Program Management
• Project Delivery
• Green Infrastructure Maintenance-Lisa Treeese
Design- Priya Iyengar
• Modeling/Risk Evaluation

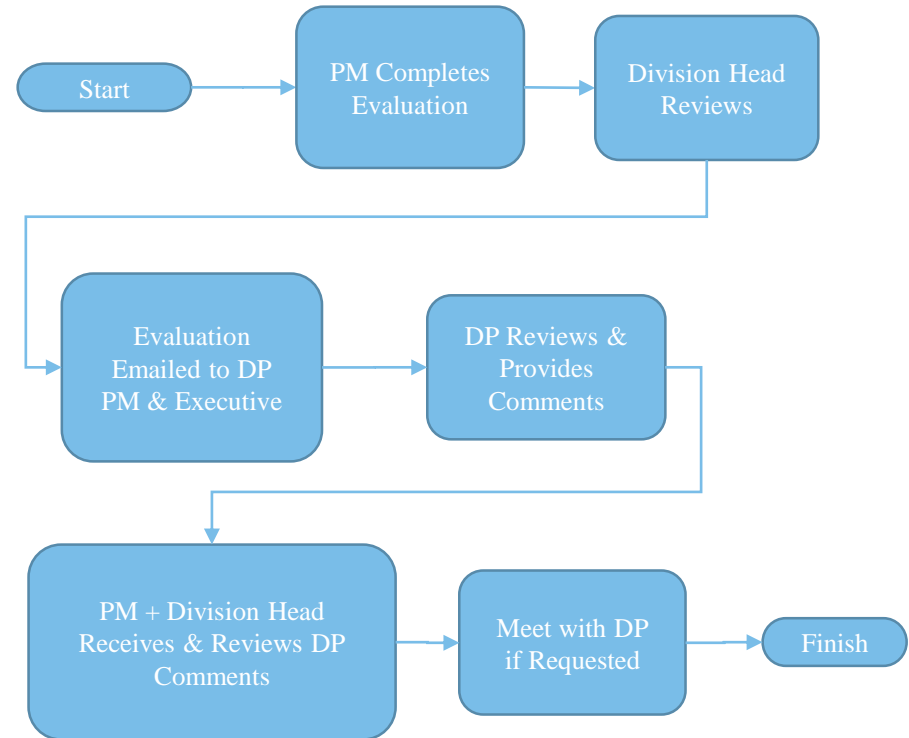
Section Heads (Bold Italics)

***Acting**

Rolling Out Design Professional Evaluations

- Design Professional Evaluation Process in e-Builder –
 - E-Builder Digital Form and Process
 - Provide feedback at key project milestones
 - Drive effective accountability and communication

* Responsiveness:	-- Please select an option --
A. KC Water Comments:	-- Please select an option --
A. DP Response Comments:	1 - Does Not Meet Expectations
	2 - Meets Expectations
	3 - Exceeds Expectations
	N/A - Not Applicable



New Envision Sustainability Guidance

Updated Envision policies and program/project requirements around Version 3

- KC Water Sustainability Playbook updated and PM's trained in November 2020
- Tiered approach developed to allow for the best level of Envision assessment to be applied to all KC Water project
- Additional tools developed
 - Sustainability Process Diagram
 - Tier 1 Sustainability Tracking Spreadsheet
 - Conversation Guide
 - Training video



KC WATER
SUSTAINABILITY PLAYBOOK

ADAPTED FROM THE ENVISION® GUIDANCE MANUAL (V3)





Chief Engineering Officer

Jeff Martin, PE

Chief Engineering Officer



Water Main Replacement Program

- Current year CIP includes:
 - 15 distribution main construction projects totaling \$25,750,000
 - 4 additional transmission/distribution main construction projects
 - \$8,700,000 total
 - 1 design-build
 - 16 distribution main design projects totaling \$4,800,000
 - 7 SLBE-WSD EPS



Water Master Plan Risk & Resilience Update

- Design Professional Services
- Update of existing water masterplan
- Update of distribution master plan model
- Develop model scenarios to improve operational efficiency
- Identification of risk reduction opportunities
 - Refinement of asset inventory
 - Failure Modes and Effect Analysis



Renewable Energy P3/DBO

- Capture and utilization of excess biogas at the Blue River Wastewater Treatment Plant and other opportunities
- Two stage procurement process
- Request for Expressions of Interest
 - Q4 2021
 - List of rights
- Workshops with Potential Parties
- Contract(s) Development
- Request(s) for Proposals



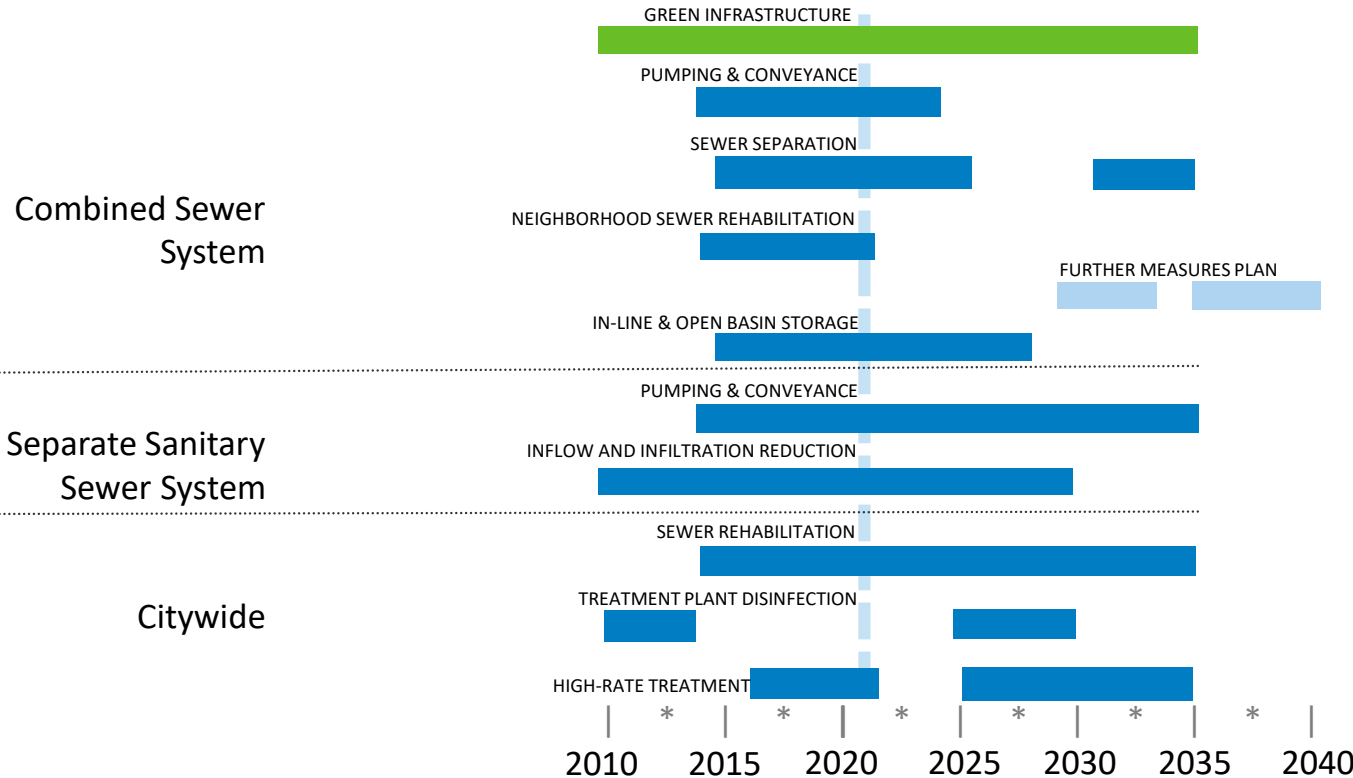


Smart Sewer and Stormwater

Srini Vallabhaneni
Smart Sewer Officer



Update: Smart Sewer Program (2010-2040)



*\$2.3 billion Program
Cost through 2035*

*90 Projects
completed w/\$800M,
on time and budget*

*COVID-19 schedule
extensions for
several active and
future projects*

FY 22 Projects: Smart Sewer and Wastewater Collection Engineering

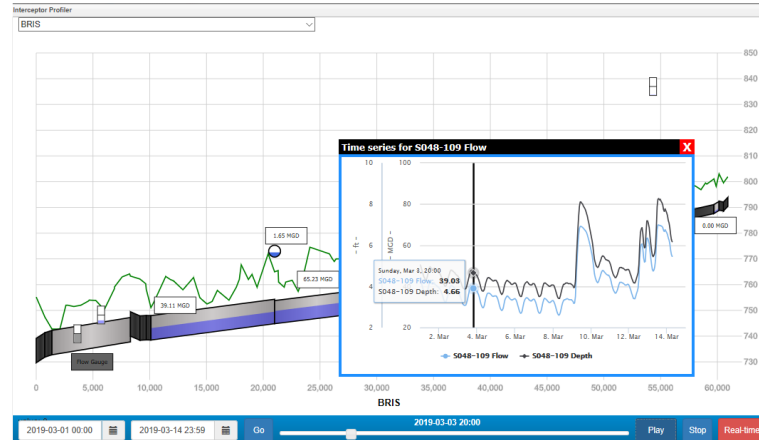
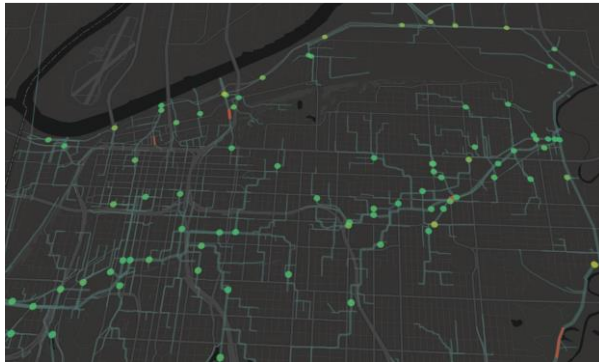
- 15 Construction Projects
- 3 Design Professional Contracts
- 1 Professional, Specialized or Technical Services Contract



Project Highlights

Green Infrastructure: Daniel Morgan
Boone Park (63rd and Paseo)

Data Analytics and Digital Strategy





CONTACTS:

MATT.BOND@KCMO.ORG

JEFF.MARTIN@KCMO.ORG

SRINI.VALLABHANENI@KCMO.ORG

DEBRA.PERILLO@KCMO.ORG 816-513-0188

