



TRANSPORTATION, INFRASTRUCTURE & OPERATIONS COMMITTEE

NOVEMBER 6, 2019



ORDINANCE NO. 190909

Inflow and Infiltration (I/I) Reduction: North of the River

Authorizing a \$950,000.00 Design Professional Services Contract with Lamp Rynearson, Inc., for the Inflow and Infiltration (I/I) Reduction: North of the River project; and authorizing a maximum expenditure of \$2,000,000.00.



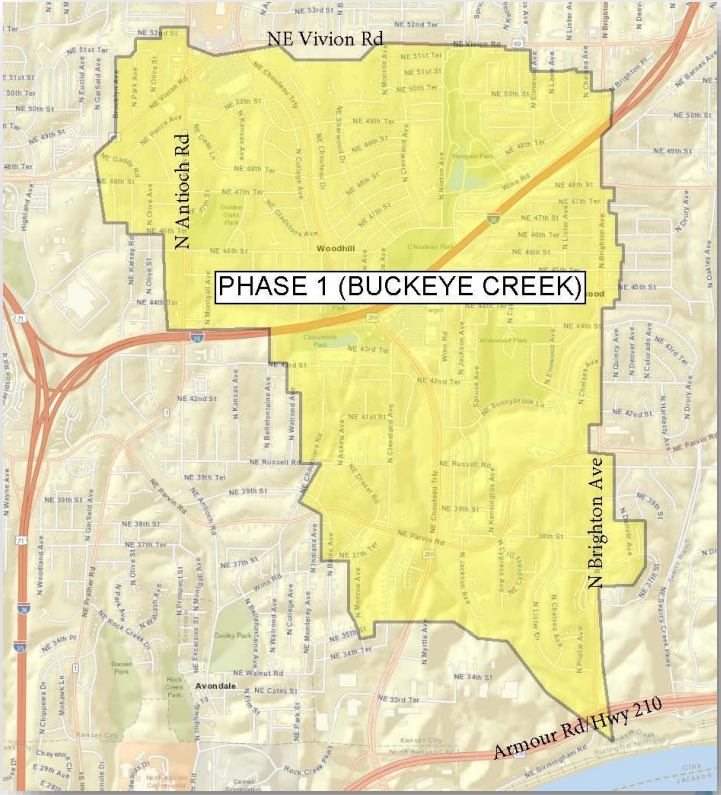
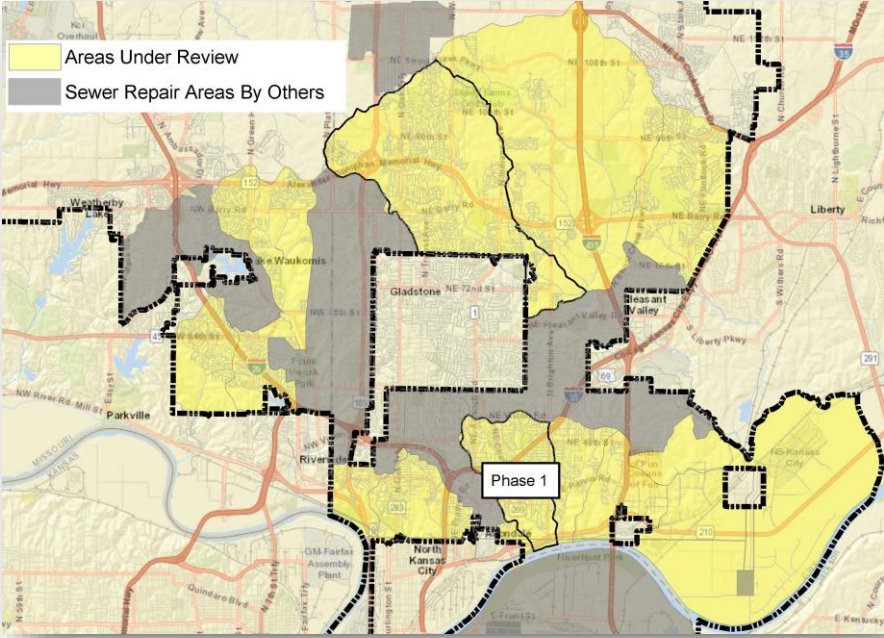
GSI IN SMART SEWER PROJECTS

SSP Program Element	GSI Implementation Potential
Diversion Structure & Sewer Pipe Consolidation	High
Green Infrastructure	High
I/I Reduction	Low
Neighborhood Sewer Rehabilitation	Medium
Pumping & Conveyance	Medium
Sewer Separation	High
Storage & Conveyance	Low
Treatment	Low



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Public
Outreach

Letters

Door
Hangers

Street
Signs

ORDINANCE NO. 190910

Little Blue River Basin Project Area 1 Inflow and Infiltration (I/I) Reduction Project

Authorizing a \$8,282,600.00 construction contract with The Havens Construction Company, Inc., for the Little Blue River Basin Project Area 1 Inflow and Infiltration (I/I) Reduction project; and authorizing a maximum expenditure of \$9,111,000.00; authorizing a \$730,000.00 Design Professional Services Amendment No. 2 to Contract No. 1350 with Tetra Tech for the Little Blue River Basin Project Area 1 Inflow and Infiltration (I/I) Reduction project.



ORDINANCE NO. 190910

Little Blue River Basin Project Area 1
Inflow and Infiltration (I/I) Reduction Project



ORDINANCE NO. 190910

Little Blue River Basin Project Area 1
Inflow and Infiltration (I/I) Reduction Project



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ORDINANCE NO. 190919

Smart Sewer Program Green Infrastructure Implementation Services

Authorizing a \$1,800,000.00 design professional services contract with Burns & McDonnell Engineering Company, Inc., for the Smart Sewer Program Green Infrastructure Implementation Services.



PROJECT IMPLEMENTS GREEN INFRASTRUCTURE

- Implements Resolution 190760 Adopted 10/31/19
 - Green Stormwater Infrastructure (GSI) Manual
 - Smart Sewer Adaptive Management Plan
- Facilitates Interdepartmental Coordination
- Develops Higher Benefit Public Projects
- Meets Goals of the Overflow Control Program



GSI IMPLEMENTATION SCOPE ITEMS

- Program Management
- Planning and Integration
- Implementation Guidance
- Basis of Design Guidance
- Training
- Maintenance Planning
- Public Communications and Outreach



PROGRAM MANAGEMENT

- Management and Oversight of GSI program
- Identification of Collaborative Opportunities
- Coordination of Program Resources



PLANNING AND INTEGRATION

- Interdepartmental Working Group
 - Develop process and procedures for GSI Implementation
 - Evaluate both public and private implementation requirements
- Update Design Standards
- Develop Budget Estimates for:
 - Staffing
 - Construction
 - Maintenance
- Prioritize Potential Projects



IMPLEMENTATION GUIDANCE

- Develop process for GSI integration into ALL public projects
- Create a 1-year and 5-year GSI capital plan



DISTRIBUTED
UPPER WATERSHED



NEIGHBORHOOD
MID WATERSHED



CENTRALIZED
LOWER WATERSHED



GSI MAINTENANCE PLANNING

- Recommendations for
 - Funding
 - Communication
 - Training
 - Volunteer management
- Review
 - Existing strategies
 - How other communities are approaching
- Deliver
 - Technical report
 - Workforce development



GSI TRAINING

Continue NGICP

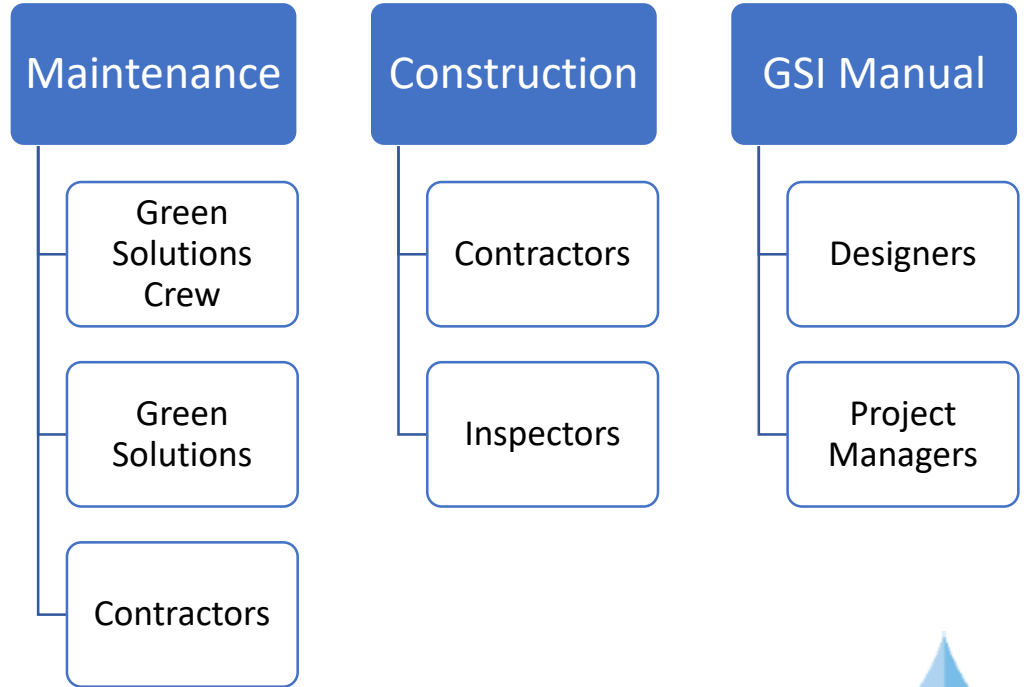
- 4th Session

Develop

- Workshops
- Training Material
- On-line Resources

Audiences

- City Departments
- Contractors
- Consultants



PUBLIC COMMUNICATION & OUTREACH

- Coordinated effort on GSI communications
- Create outreach materials that everyone can use
 - Build on the GSI Story Map
- Recognize other GSI outreach & education materials
 - MARC's Here We Grow Campaign
- Evaluate what others are doing
 - GI Exchange
 - Interview other cities
- Engage additional professionals to develop a detailed plan



ORDINANCE NO. 190919

Smart Sewer Program Green Infrastructure Implementation Services

PROGRAM IMPLEMENTATION TEAM PARTNERS





THANK YOU

