

Sewer 2012A Bond Projects

	<u>Project Name</u>	<u>Funded Amount</u>	<u>Description of Work</u>
1	Cost of Issuance of 1.5% Bond Expenses	\$ 375,000	
2	Blue River WWTP Effluent & Disinfection - Alternates	\$ 3,800,000	This project involves the design and construction of sodium hypochlorite disinfection facilities at the Blue River Wastewater Treatment Plant (WWTP). In addition, the project will install a second 96" discharge line to the Effluent Pump Station that will double as a sodium hypochlorite contact basin and install an additional Effluent pump at the pump station. Alternate energy solutions will be investigated to reduce the plants carbon footprint. Finally, the project will install new clarifier mechanisms in the final clarifiers to reduce the sodium hypochlorite dose.
3	Turkey Creek Pump Station Improvement, Const	\$ 15,000,000	Complete Rehabilitation of the Turkey Creek Pump Station
4	Turkey Creek Pump Station Improvement, CPS & RPS	\$ 800,000	Construction Phase Services for the inspection for the Turkey Creek Pump Station construction project.
5	Aerated Grit Chambers - WS (air diffusers and blowers)	\$ 750,000	installation of new air diffusers and blowers
6	Aerated Grit Chambers - BH (air diffusers)	\$ 400,000	installation of new air diffusers
7	Sludge Holding Lagoons Birmingham - Design	\$ 300,000	Design services for the rehabilitation 1 east lagoon and both west lagoons
8	Sludge Holding Lagoons Birmingham (rehab 1 East lagoon and both west)	\$ 1,500,000	Rehabilitation 1 east lagoon and both west lagoons
9	SCADA	\$ 700,000	Design for the upgrade of wastewaters supervisory control and data acquisition system.
10	Digester Improvements	\$ 1,000,000	Pipe/valve replacement, concrete rehabilitation, relocate strainer, and booster pump replacement.
11	Wastewater Master Plan	\$ 1,700,000	Design professional services for the Wastewater Master Plan for Kansas City, MO.
12	Various Improvements @ WWTP Facilities	\$ 1,000,000	Need for improvement at various WWTP facilities
13	First Creek PS & Force Main	\$ 750,000	The installation of the 6.5 MGD First Creek Pump Station and the installation of approximately 10,000 LF of 16-inch force main sewer pipe to serve the 8 square miles of First Creek Watershed located within the City Limits of Kansas City.
14	Second Creek PS, & Force Main	\$ 500,000	The installation of the Interim Second Creek Pump Station and the installation of approximately 6,000 LF of force main sewer pipe to serve the 16 square miles of Second Creek Watershed located within the City Limits of Kansas City.
15	Buckeye Pump Station Improvements - Design	\$ 1,600,000	Complete Rehabilitation of the Buckeye Creek Pump Station
16	Pump Around - Various PS's	\$ 500,000	Installation of pump around system on forceman at various pump station facilities for bypass pumping operations.
17	Birmingham Pump Station - Design	\$ 150,000	Design services for the Birmingham pump station improvements
18	Birmingham Pump Station Improvements	\$ 900,000	3rd mid-range pump replacement
19	Upper Rush & Weatherby Pump Stations (E and W stations)	\$ 500,000	Design Service to study for the new Upper Rush pump station and the rehabilitation of the Weatherby Lake pump station.
20	First Creek Interceptor	\$ 6,500,000	The installation of approximately 23,000 LF of 24-30-inch interceptor sewer pipe in the 8 square miles of First Creek Watershed located within the City Limits of Kansas City. The proposed interceptor sewers will run from the two existing wastewater pump stations, North Bristol and South Bristol, and continue northerly to the proposed First Creek Pump Station (not included in this contract) located on the northern City Limit at First Creek, on property already owned by the Water Services Department.
21	Second Creek Interceptor (East Branch, West, Central)	\$ 6,500,000	The installation of approximately 29,500 LF of 24-48-inch interceptor sewer pipe in the 16 square miles of Second Creek Watershed located within the City Limits of Kansas City. The proposed interceptor sewer will run from the four existing pump station, Second Creek, Tiffany Greens, Greenhill's, and Tiffany Lakes Pump Stations and continue northerly to the proposed Second Creek Interim Pump Station located at I-435 and Skyview Road.
22	22nd St and The Paseo Sewer Tunnel Rehabilitation	\$ 1,300,000	The rehabilitation of approximatly 900 LF of 114-inch combination sewer in the area of 22nd street and The Paseo .
23	Harlem Force Main Sewer Rehab	\$ 940,000	The rehabilitation/replacment of approximately 5000 LF of CIP force main from the Harlem Pump Station due to cronic break hystery.
24	Sewer Rehabilitation - CIPP - Citywide	\$ 1,000,000	The trenchless rehabilitation of sanitary sewer mains through the installation of cured-in-place-pipe (CIPP) city wide.
25	Construction Contingency	\$ 1,885,000	Allocated funds for the contingency for variour construction contract for unforeseen issues.
26	Storage: 87th Street Pumping Station (Phase 1) Storage Tank	\$ 5,500,000	This project consists of the preliminary and final design of 20 million gallons of storage and rehabilitating and modification of the existing 87 th Street Pump Station.
27	Storage: 87th Street Pumping Station (Phase 1) Pump Station Upgrade	\$ 400,000	This project consists of the evaluation of alternatives for the design of 20 million gallons of storage and rehabilitating and modification of the existing 87 th Street Pump Station.
28	Small Sewer Rehabilitation: Town Fork Creek	\$ 1,500,000	Design services for the rehabilitation and study into the 8-12 inch sanitary sewers in the Town Fork Creek Watershed.
29	I/I Reduction: Line Creek/Rock Creek Basin Phase 1	\$ 1,200,000	Design services for the Line Creek/Rock Creek Basin for the study in eliminating inflow and infiltration for the sanitary sewer system.

30	SEP YR2	\$ 400,000	Continuation of the septic tank separation program to disconnect property owners from septic tanks to city sewer services.
31	Green Collar Jobs & Workforce Development YR2	\$ 500,000	The Green Collar Jobs & Workforce Development Program is the time given to workforce development associated with the installation and maintenance of green infrastructure and other capital projects as part of Kansas City's Federal Consent Decree related to reducing overflows from the sewer system. With a significant increase in spending associated with the capital program and with the introduction of new types of infrastructure solutions, it is anticipated that training and workforce development may be necessary for the completion of capital projects necessary to fulfill the requirements of the Consent Decree. This training and development would be targeted at contractors who would be directly associated with the design or construction of capital projects
32	Rain Gardens and Downspout Disconnect YR2	\$ 500,000	Rain Gardens and Downspout Disconnects is the budget line associated with implementation of an inflow reduction program targeted at constructing flow reduction improvements from both public and private side sources. All flow reduction improvements are directly associated with reducing the size of capital storage projects necessary to comply with Kansas City's Federal Consent Decree related to reducing overflows from the sewer system. These improvements would be designed and constructed for a targeted flow reduction amount. Without these flow reduction projects, the Water Services Department will be required incur a much larger capital expenditure associated with increasing the size of storage tanks and tunnels to store these flows for
33	Blue River Watershed Management Plan YR2	\$ 500,000	This project consists of developing a Blue River Watershed Management Plan.
34	Program Management 2014	\$ 4,000,000	Program Management costs are associated with the implementation of capital projects required by Kansas City's Federal Consent Decree related to reducing overflows from the sewer system. This cost was developed as a percentage of each capital project and grouped so that the Department can execute a single contract for this service. Duties related to the program management contract will include project management activities directly associated with the planning, design and construction of each capital project connected to the Consent Decree and Overflow Control Program.
35	Blue River Watershed Management Plan YR3	\$ 500,000	This project consists of developing a Blue River Watershed Management Plan.
36	Green Infrastructure Pilot: Northeast Industrial District	\$ 750,000	This project is associated with the design of green infrastructure improvements to achieve a higher level of control (capture and store) of a designated volume of runoff within the Northeast Industrial District (NEID) basin.
37	Storm Drainage Improvements: Turkey Creek/Central Industrial District	\$ 250,000	This project includes the design of various storm drainage improvements within the Turkey Creek/CID Basin and also includes sluice gate replacement at the Santa Fe Pump Station and installation of real-time gate control.
38	Green Infrastructure Pilot: Turkey Creek/Central Industrial District	\$ 750,000	This project is associated with the design of green infrastructure improvements to achieve a higher level of control (capture and store) of a designated volume of runoff within the Turkey Creek/CID (West Bottoms) area.
39	Green Infrastructure Pilot: Additional Pilots	\$ 400,000	This project(s) is associated with the design of green infrastructure improvements to achieve a higher level of control (capture and store) of a designated volume of runoff within a basin to be determined.
40	Green Infrastructure Pilot: Additional Pilots	\$ 7,500,000	This project(s) is associated with the construction of the green infrastructure improvements to achieve a higher level of control (capture and store) of a designated volume of runoff for the basin to be determined.

Total 2012A Bond Projects: \$ 75,000,000