

Blacksnake Creek Stormwater Separation Improvement Project



A Community Based Project with Multiple Benefits

The Blacksnnake Creek Stormwater Separation Improvement Project will transport a portion of the stormwater runoff in the Blacksnnake Creek watershed directly to the Missouri River.

Currently, Blacksnnake Creek and stormwater runoff from streets, roofs, and other areas in the watershed are piped along with wastewater (sewage) in a large, 100-year old pipe known as the Blacksnnake Creek Combined Sewer.

The existing pipe is not large enough to carry all the stormwater runoff and sewage to the Water Protection Facility and a portion of the wastewater overflows to the Missouri River after most rain storms.

The project may use a combination of new pipes, tunnels, stream channels, and other methods to convey the stormwater flow directly to the Missouri River. This will reduce the quantity of water in the existing sewer during storms and the quantity of combined stormwater and wastewater that overflows to the river.

Project Goals and Benefits

- Meet regulatory requirements and improve system reliability. Reducing the amount of combined sewer overflows improves water quality and public health. St. Joseph residents say these items are a priority.
- Redirect stormwater from the Blacksnnake Creek watershed to the Missouri River, reducing stormwater into the City's treatment system. It is less expensive to transport the creek water directly to the river than build other facilities to capture and treat the water at the Water Protection Facility.
- Improvements will also eliminate the cost of treating up to 2 million gallons per day of dry weather creek water at the treatment facility, benefitting all rate payers.

Project Updates

Begin construction, early 2017

Final design, complete fall 2016

Preliminary design underway

Public meeting, Jan. 26, 2016

Initial geotechnical investigations completed

Survey work completed

Conceptual design complete

First public meeting, Oct. 9, 2014

Public feedback on potential green infrastructure

For more information, or if you have questions or concerns contact: Matt Schultze, Project Manager, Black & Veatch, 913-458-3597, schultzeme@bv.com

Andy Clements, Project Manager, City of St. Joseph Department of Public Works and Transportation, 816-271-4653, aclements@ci.st-joseph.mo.us

Integrating Improvements Brings Best Value

The project will enhance the Blacksnnake Creek Corridor, making required stormwater improvements, and addressing infrastructure needs for added efficiency.

Coordinate Road Improvements

- Improve safety and creek flow properties.
- Improve vehicular circulation.
- Eliminate replacement costs for Savannah Road culvert and Northwest Parkway Bridge.

Other Integration Opportunities

- Flood control
- Green infrastructure
- Community benefits

Public meetings will be held throughout the design and construction process, and potential community benefits will be considered.