

1. Administrative Details

Proposal Name: Blacksnake Creek Stormwater Separation Improvement Project

by Agency: City of St. Joseph, Missouri

Locations: MO

Date Submitted: 09/23/2015

Confirmation Number: fe0db9b9-fd2e-4754-8301-d497cb6f56b5

Supporting Documents

File Name	Date Uploaded
USACE Letter of Support (9-22-15).pdf	09/23/2015

2. Provide the name of the primary sponsor and all non-Federal interests that have contributed or are expected to contribute toward the non-Federal share of the proposed feasibility study or modification.

Sponsor	Letter of Support
City of St. Joseph, Missouri(Primary)	<p>September 18, 2015 U.S. Army Corps of Engineers 441G Street N.W. Washington, DC 20314-1000 RE: City of St. Joseph, Missouri - Blacksnake Creek Stormwater Separation Improvement Project To Whom It May Concern:</p> <p>Pursuant to your request for candidates from non-Federal interests to be included in the 2016 U.S. Army Corps of Engineers Annual Report to Congress on Future Water Resources Development, I hereby provide this letter of overall support by the City of St. Joseph for the inclusion of the Blacksnake Creek Stormwater Separation Improvement Project. On behalf of the City of St. Joseph, I am pleased to submit a request for proposals under Section 7001 of the Water Resources Reform and Redevelopment Act of 2014 (WRRDA).</p> <p>We support the attached request for feasibility evaluation, design, and construction activities for the referenced project. The City and the State of Missouri Department of Natural Resources have worked diligently as a team to complete a review and data collection to include environmental, financial, and technical aspects of the referenced project. This request opportunity allows the continuation of a 14-year effort to identify and correct known environmental, health and safety issues. The referenced project is planned to correct known flooding issues and mitigate flood risk. The project will bring vast resources stabilizing important habitat and protecting vital infrastructure while eliminating public health and safety risks. Please feel free to contact me should you have questions regarding the proposal submissions.</p> <p>We look forward to a partnership with the USACE on this project to begin the process of documenting and recommending long-term improvements to natural drainage ways that impact wildlife, flooding, properties and water quality within our watershed.</p> <p>Sincerely, J. Bruce Woody City Manager City of St. Joseph Missouri</p>

3. State if this proposal is for a feasibility study, a modification to an authorized USACE feasibility study or a modification to an authorized USACE project. If it is a proposal for a modification, provide the authorized water resources development feasibility study or project name.

[x] Feasibility Study

4. Clearly articulate the specific project purpose(s) of the proposed study or modification. Demonstrate that the proposal is related to USACE mission and authorities and specifically address why additional or new authorization is needed.

4 PURPOSE OF THE PROJECT The Blacksnake Creek Stormwater Separation Improvement Project is required as part of the City of St. Joseph, Missouri's Combined Sewer Overflow (CSO) Long Term Control Plan (LTCP). The project will intercept and redirect the Blacksnake Creek stream flows away from the City's combined sewer system to a new and dedicated stormwater conveyance system that flows to the Missouri River. By redirecting creek flows away from the combined sewer system, the frequency and volume of CSOs will be reduced while helping improve the water quality of the Missouri River as required by the Clean Water Act. In addition, the purpose of the project is to provide flood risk management and flood control for more than 100 mixed-used structures (residential and commercial) in the Blacksnake watershed along St. Joseph Avenue.

If facilities planning, design, and construction is fully funded, this multifaceted project will provide flood control benefits, economic benefits to the St. Joseph residential and business corridor, traffic safety enhancements, recreational amenities, wildlife habitat, and water quality improvements for the Missouri River.

5. To the extent practicable, provide an estimate of the total cost, and the Federal and non-Federal share of those costs, of the proposed study and, separately, an estimate of the cost of construction or modification.

	Federal	Non-Federal	Total
Study	\$375,000	\$125,000	\$500,000
Construction	\$65,625,000	\$21,875,000	\$87,500,000

Explanation (if necessary)

5 ESTIMATED PROJECT COST A preliminary project cost estimate of the stormwater elements of this project is approximately \$88,000,000. The City is hoping the Federal and non-Federal share of these costs will meet the need.

6. To the extent practicable, describe the anticipated monetary and nonmonetary benefits of the proposal including benefits to the protection of human life and property; improvement to transportation; the national economy; the environment; or the national security interests of the United States.

6 BENEFITS The planning, design, and construction of the stormwater system would mitigate ongoing flood damages. The project intends to construct various piping and stream channel systems with the watershed to help reduce ongoing flooding issues while simultaneously supporting the City's Abatement Order driven CSO Long Term Control Plan. The integrated project will increase the conveyance capacity in the drainage basin for flood control events and will help to remove residences and businesses from the floodplain and floodway. This will also free up 3rd party investment opportunities to help provide revitalization efforts along Burnside and St. Joseph Avenues. The end result of this integrated project will provide improvements for water quality, health and safety, and flood control. The Blacksnake Creek Stormwater Separation Improvement Project will also reduce flow and loadings to the City's Wastewater Treatment Plant (i.e., resulting in reduced O&M costs) as well as significantly reduce the frequency and volume of CSO's from City. This project is critical to the City in achieving its CSO Long Term Control Plan requirements and to improving the water quality in the Missouri River as mandated by the State Abatement Order.

7. Does local support exist? If 'Yes', describe the local support for the proposal.

Yes

Local Support Description

7 LOCAL SUPPORT The citizens of St. Joseph have participated in this project through a public forum and have provided support of the initiative (planning, design and construction) through City Council approval of the project via the July 2015 Sewer Rate Study. The City has pledged revenue towards the project to achieve full implementation of the CSO and flood control improvement project. Please note: this pledge revenue through rates addresses item (8) below.

8. Does the primary sponsor named in (2.) above have the financial ability to provide for the required cost share?

Yes

Primary Sponsor Letter of Support

(As uploaded)

USACE Letter of Support (9-22-15).pdf

City of St. Joseph

1100 Frederick Avenue, St. Joseph, Missouri 64501

September 22, 2015

U.S. Army Corps of Engineers
441G Street N.W.
Washington, DC 20314-1000

RE: City of St. Joseph, Missouri - Blacksnake Creek Stormwater Separation Improvement Project

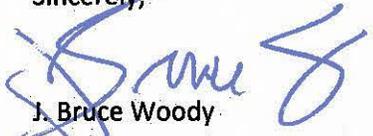
To Whom It May Concern:

Pursuant to your request for candidates from non-Federal interests to be included in the 2016 U.S. Army Corps of Engineers Annual Report to Congress on Future Water Resources Development, I hereby provide this letter of overall support by the City of St. Joseph for the inclusion of the Blacksnake Creek Stormwater Separation Improvement Project. On behalf of the City of St. Joseph, I am pleased to submit a request for proposals under Section 7001 of the Water Resources Reform and Reauthorization Act of 2014 (WRRRA).

We support the attached request for feasibility evaluation, design, and construction activities for the referenced project. The City and the State of Missouri Department of Natural Resources have worked diligently as a team to complete a review and data collection to include environmental, financial, and technical aspects of the referenced project. This request opportunity allows the continuation of a 14 year effort to identify and correct known environmental, health and safety issues. The referenced project is planned to correct known flooding issues and mitigate flood risk. The project will bring vast resources stabilizing important habitat and protecting vital infrastructure while eliminating public health and safety risks. Please feel free to contact me should you have questions regarding the proposal submissions.

We look forward to a partnership with the USACE on this project to begin the process of documenting and recommending long-term improvements to natural drainage ways that impact wildlife, flooding, properties and water quality within our watershed.

Sincerely,


J. Bruce Woody
City Manager
City of St. Joseph Missouri

City of St. Joseph, Letter of Support

USACE Feasibility Study, Design, and Construction Funding Request

1 BLACKSNAKE CREEK STORMWATER SEPARATION IMPROVEMENT

Please accept this written request of support for the above referenced project sponsored by both our local Congressman and Senate representatives. The request is for feasibility study, design, and construction of the stormwater improvement in the amount of \$88,000,000 in total Congressional support. The funds will support the implementation of a much needed Feasibility Study, Design, and associated Construction implementation for the Blacksnake Creek Stormwater Separation Improvement. These federal monies are urgently needed to help resolve long-standing flooding issues (health, safety and environmental) within the Blacksnake Creek watershed.

2 NON FEDERAL INTEREST

The City of St. Joseph has made a concerted effort to understand the issues associated with flooding within the Blacksnake Creek watershed, and has engaged alternative funding sources in support of correcting the issue. Active Non-Federal funding sources include utility rate increases over an identified period of time, and Missouri Department of Natural Resources, State Revolving Fund, Clean Water.

3 FEASIBILITY STUDY, DESIGN, AND CONSTRUCTION

The City is in the process of gathering critical data to further analyze the issues and support technical analysis in the development of identifying viable solutions. A Feasibility Study has been completed and preliminary engineering is the next step in analyzing this data and providing the City Council alternative solutions for their consideration and action. Construction of the selected alternative is paramount to resolve known flooding and CSO (combined sewer outfall) issues.

4 PURPOSE OF THE PROJECT

The Blacksnake Creek Stormwater Separation Improvement Project is required as part of the City of St. Joseph, Missouri's Combined Sewer Overflow (CSO) Long Term Control Plan (LTCP). The project will intercept and redirect the Blacksnake Creek stream flows away from the City's combined sewer system to a new and dedicated stormwater conveyance system that flows to the Missouri River. By redirecting creek flows away from the combined sewer system, the frequency and volume of CSOs will be reduced while helping improve the water quality of the Missouri River as required by the Clean Water Act. In addition, the purpose of the project is to provide flood risk management and flood control for more than 100 mixed-used structures (residential and commercial) in the Blacksnake watershed along St. Joseph Avenue.

If facilities planning, design, and construction is fully funded, this multifaceted project will provide flood control benefits, economic benefits to the St. Joseph residential and business corridor, traffic safety

enhancements, recreational amenities, wildlife habitat, and water quality improvements for the Missouri River.

5 ESTIMATED PROJECT COST

A preliminary project cost estimate of the stormwater elements of this project is approximately \$88,000,000. The City is hoping the Federal and non-Federal share of these costs will meet the need.

6 BENEFITS

The planning, design, and construction of the stormwater system would mitigate ongoing flood damages. The project intends to construct various piping and stream channel systems with the watershed to help reduce ongoing flooding issues while simultaneously supporting the City's Abatement Order driven CSO Long Term Control Plan.

The integrated project will increase the conveyance capacity in the drainage basin for flood control events and will help to remove residences and businesses from the floodplain and floodway. This will also free up 3rd party investment opportunities to help provide revitalization efforts along Burnside and St. Joseph Avenues. The end result of this integrated project will provide improvements for water quality, health and safety, and flood control.

The Blacksnake Creek Stormwater Separation Improvement Project will also reduce flow and loadings to the City's Wastewater Treatment Plant (i.e., resulting in reduced O&M costs) as well as significantly reduce the frequency and volume of CSO's from City. This project is critical to the City in achieving its CSO Long Term Control Plan requirements and to improving the water quality in the Missouri River as mandated by the State Abatement Order.

7 LOCAL SUPPORT

The citizens of St. Joseph have participated in this project through a public forum and have provided support of the initiative (planning, design and construction) through City Council approval of the project via the July 2015 Sewer Rate Study. The City has pledged revenue towards the project to achieve full implementation of the CSO and flood control improvement project.

8 NON FEDERAL FINANCIAL COMMITMENTS

The City of St. Joseph has evaluated and implemented long term rate increases as pledge revenue to the Utility enterprise fund earmarked to manage this project.

9 STATEMENT OF SUPPORT

The City of St. Joseph and local leaders including community civic groups (see letters of support provided to Congress) fully support the needed capital improvements as described above. We acknowledge this

project is of paramount importance for the citizens of St. Joseph. This project is expected to indirectly and directly improve state and federal infrastructure.