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Rick Landers, General Manager

Request for Proposal

Project: Sikeston BMU Sanitary Sewer Study

Due: July 17, 2025 at 5:00 PM (closed after July 17 proposals will be evaluated)

Evaluation Criteria: Proposals will be evaluated on team experience, knowledge of area, modeling software and hourly rates.

System Stats:	Manholes	2,094
	Lift Stations	19
	System Length	132.61 mi
	Size Range	4" – 30"
	Materials	Cast Iron, Clay, Ductile Iron, PVC, and RCP Predominantly Clay and PVC
	City Limits	17.3 sq. mi.
	Population	16,300 approximately
	Customers	8,700 approximately
	Maps	GIS ESRI based by SAM (formerly Midland GIS)

Contact: Jeff Winders, P.E. Operations Manager at jwinders@sbmu.net

Scope:

The City of Sikeston is a municipality in Southeast Missouri located on Interstate 55 approximately 150 miles from both St. Louis, Missouri and Memphis, Tennessee. It is located in both Scott and New Madrid Counties. Sikeston's population is around 16,300

but serves many others in the SE Missouri area providing jobs and services for much more than this.

The Sikeston Board of Municipal Utilities (the Board) was formed by the City of Sikeston in 1931 as an autonomous board to provide reliable utility service to the citizens of Sikeston, Missouri. The Board is responsible for maintaining the water, sanitary sewer, and the electric system as well as operating the cities electric power production plant. There is little design knowledge of the pre 1931 sewers still being used in the older parts of Sikeston. The city is served by two wastewater treatment plants. One in the North Industrial Park that only serves the industrial park. It has a design population equivalent of 50,000 people. It primarily discharges to a force main that sends the treated effluent to the primary treatment plant. It does have a discharge permit for up to 400,000 GPD to ditch no 4 of the Richland Drainage District but this is to be used on an as needed basis. All daily discharge is through the Sikeston Waste Water Treatment Plant in the Southern part of the city and discharges into the St. Johns Ditch in the St. Johns Bayou Drainage District. It has a permitted discharge of 5 MGD and an average of 2.5 MGD. Storm surcharges have been well over 10 MGD, but recent improvements have dropped to between 7 and 8 MGD for recent storm events. The Board does have an industrial discharge program and 4 of its industries are permitted. This study is not intended to look into the plants design.

The storm sewer system is the responsibility of the city's public works department, and the two systems have never been combined. In a combined effort to alleviate flooding to homes and our system the City of Sikeston – Public Works has been working on some flood control and drainage projects also. Storm water assessment is not a part of this, but the city is willing to share design and storm information.

The sewer system in Sikeston Missouri has been recently experiencing I & I issues during historic rain events over the last 3 years. This has resulted in the sanitary sewer backing up and operating slowly. The system is operated and maintained regularly by the Sikeston Board of Municipal Utilities. For several years the Board has been proactively lining and replacing manholes that were evaluated as poor or very poor and has been lining pipes in problem areas that were previously identified.

The Board is seeking engineering services to model and evaluate the current system and the 19 lift stations. The system has been evaluated and mapped, and current maintenance is being performed based on those manhole evaluations. The selected engineering company is to model the system and provide this model to the Board in a software form that the staff can then use for future evaluation. Please include modeling information in the proposal. As we do not have a model this will require training the Board staff on the model software. The selected engineering company is to perform evaluations

of the system using smoke testing, video, and any other detection sources deemed appropriate. Please include your inspection methods in the proposal. The selected engineering company is to model the system and provide recommendations for improvements and a list of any discovered deficiencies. The selected engineering company is to evaluate the maintenance currently being performed and make recommendations to the Board for improvements. The selected engineering company is to evaluate the current lift stations and their capacities and make recommendations. The selected engineering company will be expected to search for sources of I & I and make recommendations for improvements to the system and maintenance programs.

Send proposals to the Sikeston Board of Municipal Utilities, Attn: Mr. Jeff Winders, P.E., P.O. Box 370, Sikeston, Mo. 63801. Mark them RFP Sewer Study. Proposals will be accepted until 5:00 PM July 17, 2025. After that no proposals will be accepted and will be returned unopened.

Sincerely,

SIKESTON BOARD OF MUNICIPAL UTILITIES



Jeffrey L. Winders, PE
Operations Manager