Sewer Separation Project – Fort Madison

Proposed recipient:
City of Fort Madison
811 Avenue E
P.O. Box 240
Fort Madison, IA 52627

Requested amount:
$5,000,000

Explanation of request:
The funding would be used for a sewer separation project in Fort Madison. The City of Fort Madison has an old, combined sewer system (CSS) in the East portion of the community. The combined sewer system is located between 6th Street and 10th Street, generally from the bluff towards the Mississippi River. The system discharges into an interceptor sewer under low flow conditions. During periods of increased runoff following rain events or snow melt, the flow in the combined system exceeds the capacity of the interceptor sewer and flows directly to the Mississippi River. The City has been addressing their combined sewer overflows (CSO) by constructing separated storm sewer and sanitary sewer systems. Four areas remain to be separated and are identified by the streets that run through the center of the service areas for the combined sewers. The remaining areas to be separated are 10th Street, 9th Street, 8th Street and 7th Street. This project focuses on the 10th Street basin which includes sanitary sewer extending from the Mississippi River up to Avenue C and following Old Denmark Road up to Denmark Hilltop (see map in supplemental materials). This project will include installation of a new storm sewer from the outfall at the Mississippi river north to Avenue G. Storm sewer will also be installed from Avenue C to Denmark Hilltop to separate the upper section. The remaining sewer lines between Avenue C and Avenue G will be disconnected from the combined sewer and connected to the existing sanitary sewer network. The combined sewer line will be converted to a separate storm sewer and connected to the new storm sewer at Avenue G. Between Avenue H and the Mississippi River, the storm sewer will cross three railroad lines. Due to river levels, railroad requirements and soil conditions, the crossing will require two parallel bored lines connected to structures at either end. Construction of the project will require significant roadway reconstruction in addition to the sewer and storm sewer installation.