



State Revolving Fund Loan Programs Drinking Water, Wastewater, Nonpoint Source

PRELIMINARY DECISION OF CATEGORICAL EXCLUSION

TO ALL INTERESTED CITIZENS, ORGANIZATIONS AND GOVERNMENT AGENCIES:

**CITY OF MADISON
LONG TERM CONTROL PLAN - POST CONSTRUCTION MONITORING,
SEWER SYSTEM MODELING
AND
INFILTRATION & INFLOW IMPROVEMENTS
SRF # WW 13 14 39 03**

Date: August 11, 2014

Pursuant to IC 4-4-11, the State Revolving Fund (SRF) Loan Program has determined that the project described here and in the city's preliminary engineering report will have no substantial negative environmental impact. Therefore, the SRF is issuing a preliminary decision of Categorical Exclusion from the requirements of substantive environmental review.

How were environmental issues considered?

The National Environmental Policy Act requires agencies disbursing Federal funds to include environmental factors in the decision making process. A summary of the project is attached for your review. The SRF's preliminary review has found that the proposed project does not require the preparation of either an EA or an EIS.

Why is additional environmental review not required?

Our environmental review has concluded that significant environmental impacts will not result from the proposed action.

How do I submit comments?

Comments can be submitted to:

April Douglas,
Senior Environmental Manager
SRF Programs
317-234-7294; adouglas@ifa.in.gov

CATEGORICAL EXCLUSION

I. PROJECT IDENTIFICATION

Project Name and Address: **Long Term Control Plan – Post Construction Monitoring, Sewer System Modeling, and Infiltration & Inflow Improvements**
City of Madison
101 W. Main Street
Madison, IN 47250-3349

SRF Project Number: WW 13 14 39 03

Authorized Representative: The Honorable Damon Welch, Mayor

II. PROJECT LOCATION

Madison is located in Jefferson County. The proposed study area will occur in Madison Township in the Madison West USGS 7.5' quadrangle map, T3N, R10E, sections 2, 3, 34 and 35; Madison East USGS 7.5' quadrangle map, T3N, R10E, sections 1, 2; Clifty Falls USGS 7.5' quadrangle map, T4N, R10E, sections 20, 21, 22, 23, 34, and 35; and the Canaan USGS 7.5' quadrangle map, T4N, R10E, sections 23 and 26 (see Figure 1 – Hilltop I&I Reduction & Collection).

III. PROJECT NEED AND PURPOSE

Madison was required to develop a Long Term Control Plan (LTCP), as prescribed under the terms of a State Judicial Agreement (SJA) and their National Pollutant Discharge Elimination System (NPDES) permit. Madison identified both combined sewer overflows (CSOs) [as included in its LTCP] and sanitary sewer overflow (SSOs) throughout the collection system being affected by excessive infiltration and inflow (I/I). The CSOs include: 002 at Vaughn Drive Lift Station; 004 at Wells Drive Lift Station; and 010 at State Road 7. The four SSOs located in the Hill Top Area are the only ones being identified at this time (i.e., Manholes #5-F5-95, 96, 96A, and 97) see Figure 1.

Excessive I/I in the sewer system will require an evaluation and subsequently corrective action. This evaluation will include smoke testing and manhole inspections. The sources of I/I detected will be prioritized with the “high priority areas” being identified for immediate repairs. After these “high priority areas” have been addressed, a Preliminary Engineering Report Addendum will be prepared and submitted identifying the specific corrective actions. For planning purposes, an estimated cost has been provided for those

“high priority corrective action projects” based on the assumption that ten percent of the manholes and sewers in the system will require repairs.

It is anticipated that shortly after the repairs to high priority areas have been completed the improvements to the wastewater treatment plant’s (WWTP) secondary treatment system will be completed.

Hydraulic modeling will be performed both during and after the sewer system evaluation. The model will be developed based on a collection of field data (including system metering) and then calibrated for post construction conditions (i.e., completion of the WWTP improvements and I/I improvements project). The calibrated hydraulic model will then be used to determine the most cost effective design needs at CSO outfalls 002, 004 and 010.

The No Action alternative was rejected since both the CSOs and SSOs would continue to occur and the city would be in violation of its NPDES permit and SJA.

IV. ESTIMATED PROJECT COSTS, AFFORDABILITY AND FUNDING

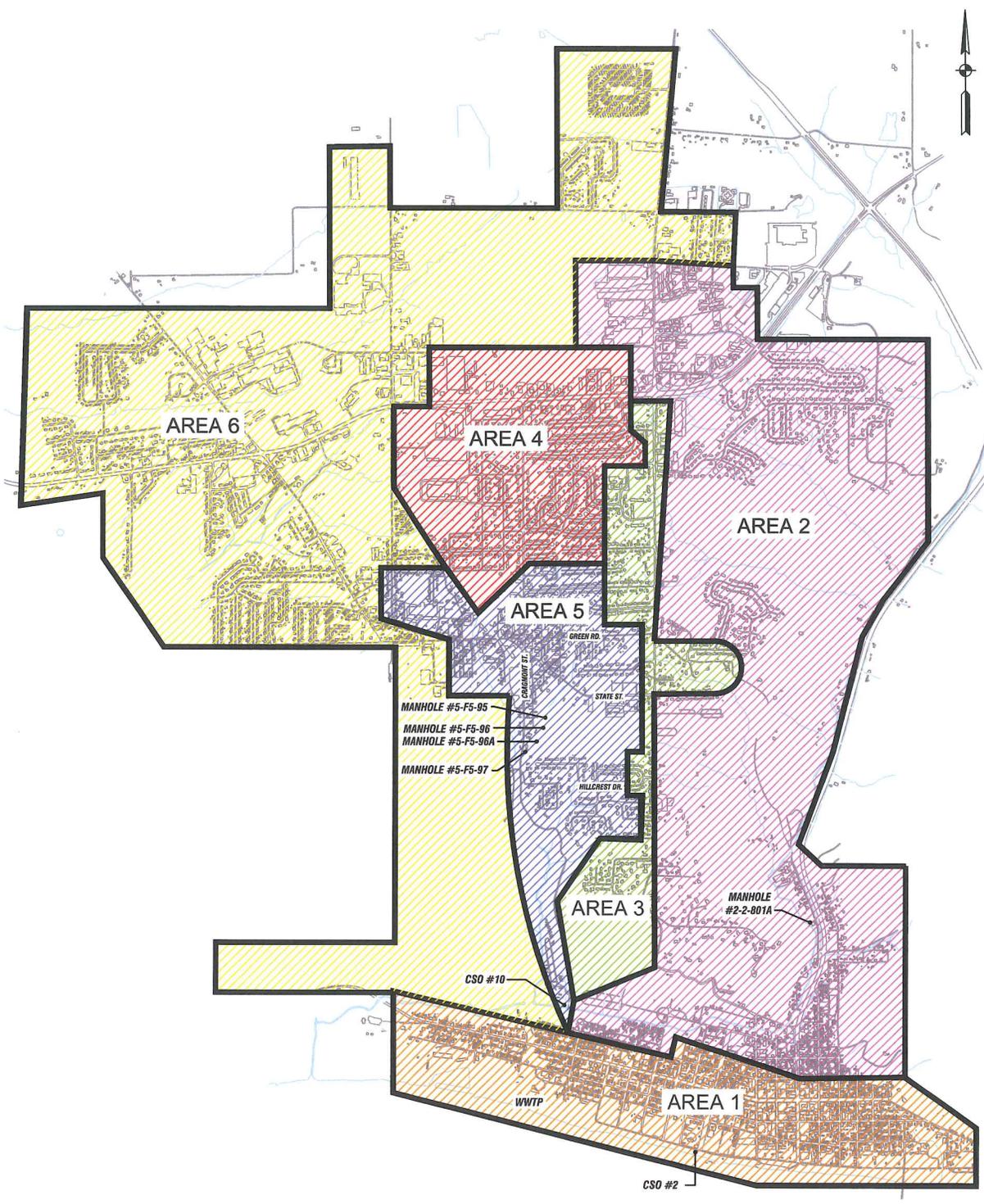
The estimated sewer system evaluation and I/I improvements cost is \$2,855,984. Madison will borrow this amount from the State Revolving Fund Loan Program through a 20-year loan at a fixed interest rate to be determined at the time of loan closing. Monthly user rates and charges may need to be analyzed to determine if adjustments are required for loan repayment.

V. ENVIRONMENTAL IMPACTS OF THE FEASIBLE ALTERNATIVES

Implementation of the project will not alter, demolish or remove historic properties. If any visual or audible impacts to historic properties occur, they will be temporary and will not alter the characteristics that qualify such properties for inclusion in or eligibility for the National Register of Historic Places. The SRF’s finding pursuant to Section 106 of the Historic Preservation Act is: “no historic properties affected.” See Figure 2.

VI. PUBLIC PARTICIPATION

A properly advertised public hearing was held at 5:30 p.m. on June 24, 2014 at the City Hall in Madison to discuss the proposed evaluation of the city’s wastewater collection system. Questions were raised about the cost of the sewer evaluation activities. The consultant responded that these costs include not only various studies of the collection system but also costs for correcting the defects. There were no written comments received from the public during the five day period after the public hearing.



NOTE:
 MANHOLES IDENTIFIED ON MAP TO
 SHOW REPORTED OVERFLOWS

Figure 1

COMMONWEALTH

7256 Colony Dr
 Indianapolis, IN 46227
 860-1177

101 Plaza East Blvd. Ste. 210
 Evansville, IN 47713
 812-474-1177

1604 Collector Rd. Ste. 303
 Fort Wayne, IN 46825
 419-494-3823

CITY OF MADISON, INDIANA
 JEFFERSON COUNTY

HILLTOP I&I REDUCTION PROJECT

TASK 3
 CSO #10 AREAS, CSO #2 AREAS, AND REMAINING SYSTEM

Madison Township (25001-104)

Figure 2 : From the Madison County Interim Report Historic Sites and Structures Inventory

