



State Revolving Fund Loan Program
an Indiana Finance Authority Environmental Program

100 North Senate Avenue, Room 1275
Indianapolis, Indiana 46204
www.srf.in.gov

MEMORANDUM

TO: Official Loan File

FROM: Ethel Morgan

DATE: June 5, 2014

RE: Green Project Reserve (GPR) Business Case
Michigan City Sheridan Beach Sewer Separation
SRF Project WW131146 02

The Michigan City Sanitary District proposes to reduce the volume of clear water entering the sanitary collection system by separating the sanitary and storm collection system in the Sheridan Beach area. The sanitary sewer system in this area discharges into the municipal sanitary sewer through the Lake Avenue pumping station. Over the past several decades, storm water has been diverted into the sanitary sewer via street inlets, driveway grates, roof drains, etc., so that the sanitary sewer functions as a combined sewer and the pumping station receives significant flows during wet weather.

To remedy the situation, the city will install storm sewers in the Sheridan Beach area to remove public inlets, private drains and downspouts. The District will also install infiltration drains to keep storm water from an inlet currently tied into the sanitary sewer. The construction will comprise approximately 3,400 feet of 8- to 48- inch diameter storm drains and appurtenances, and approximately 1,200 feet of 8- to 18- inch sanitary sewer.

The energy efficiency components are the reduced flow to the Lake Avenue Pumping Station. Constructing the new storm drains will reduce infiltration/inflow resulting in significant savings in pumping costs at the lift station and treatment costs at the plant over the life of the project. The business case developed by DLZ was reviewed and found to meet the GPR requirements for the energy efficiency category.

The total GPR cost is \$1,331,549. Of this, the construction cost based on bids is \$1,158,589 and engineering cost is estimated at \$172,960.

Michigan City closed an SRF loan in the amount of \$6,297,400 on February 20, 2014.

