

STORMWATER AND DEICING CAPACITY PROJECT

STATE PROGRAM: Indiana Finance Authority

ASSISTANCE RECIPIENT: Indianapolis Airport Authority

ASSISTANCE AMOUNT: \$30M



PROJECT DESCRIPTION

The Indianapolis Airport Authority (IAA) collaborated with the Indiana SRF to fund the construction of a stormwater improvement project that enhances water quality treatment at the Indianapolis International Airport, the principal airport serving Indianapolis and central Indiana. A \$30 million loan was used to install new stormwater and deicing runoff infrastructure to accommodate the expansion of impervious surface area for air carrier operations. Infrastructure improvements across three locations will include: demolition of an undersized facility, construction of multiple storage structures, construction of diameter storm sewers, construction of pump stations, and more. This project manages stormwater by directing runoff to areas capable of accepting the flow. By sampling and monitoring at different locations, the IAA can discharge runoff to designated outfalls in accordance with their NPDES permit, without the need for treatment at the nearby wastewater treatment plant. Though flows may be conveyed to the plant for treatment when necessary due to chemicals used in deicing, this strategy will minimize unnecessary treatment, save energy and money, and increase efficiency.

To read more about this case study, please visit https://www.epa.gov/sites/default/files/2019-11/documents/pisces_2019_compendium.pdf.