



Jackson Street Parking Lot 2016 Reconstruction Project Overview

The City of Sandusky is committed to doing our part to keep our greatest natural resources, Sandusky Bay and Lake Erie, as clean as possible. The Jackson Street Parking Lot has long been a vital facility for the downtown area. With this project, we were able to create a new green infrastructure parking lot and an event space to be used for a variety of outdoor events.

The newly reconstructed Jackson Street Parking Lot was made possible with funding received from Surface Water Improvement Fund (SWIF) grant from Ohio EPA, Great Lakes Restoration Initiative (GLRI) grant from US EPA, the Dorn Foundation and City Capital Funds made possible by Issue 8. Funding allowed the City to reconstruct the parking lot utilizing best management practices (BMPs) for green Infrastructure.

One of the highlights of the reconstruction of Jackson Street Parking Lot included the installation of pervious concrete pavement and bio-retention cells to help minimize the amount of contaminants reaching the Sandusky Bay and Lake Erie.

The Bio-retention cells are located along the south, west and east sides and between aisles of parking. Bio-retentions are depressed planted areas used to filter, clean and store water runoff. This causes water to collect within the bio-retention areas. The process mimics that of nature slowing down water to be infiltrated through the layers of vegetation, mulch and soft soils where pollutants are filtered out and trapped in the facility.

The pervious concrete pavement has been placed along the south edge of the parking lot (Market Street side). Pervious Concrete Pavement is a course bonded aggregate. The space created by the aggregate allows water to flow through the surface. The pervious concrete is placed over layers of crushed stone and gravel. At the base, a filter fabric is placed to collect sediment and contaminants. These layers act as a repository for runoff until it can sufficiently be filtered back into the ground water.

In addition to capturing and treating rain water from the parking lot, we are capturing and treating portions of Market Street and Jackson Street storm flows for an effected treatment of 99.2% of the water that enters the parking area.

Funding Sources

Ohio EPA - Surface Water Improvement Fund (SWIF)

The City of Sandusky was the recipient of the 2014 Surface Water Improvement Fund (SWIF) in the amount of \$97,723.00 for design and construction of the Jackson Street Parking Lot project. SWIF grants are awarded by the Ohio EPA for implementation of projects that address nonpoint source pollution and/or storm water runoff and improve water quality in Ohio's streams, rivers and lakes.

US EPA - Great Lakes Restoration Initiative (GLRI)

The City of Sandusky is the recipient of the 2015 Great Lakes Restoration Initiative (GLRI) grant in the amount of \$125,958.00 to help with the cost of design and construction of the Jackson Street Parking Lot project. The GLRI was launched in 2010 to accelerate efforts to protect and restore the largest system of fresh surface water in the world, the Great Lakes. Their major focus is on cleaning up the Great Lakes

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areas of concern, preventing and controlling invasive species, reducing nutrient runoff that contributes to harmful/nuisance algal blooms and restoring habitat to protect native species.

The Dorn Foundation

The Randolph J. & Estelle M. Dorn Foundation generously supports education, neighborhood development and improvement, social services and community building based initiatives throughout the City of Sandusky. In August of 2016 the Dorn Foundation awarded the City a grant in the amount of \$50,000.00 to use towards the construction of the Jackson Street Parking Lot project.

City of Sandusky Capital Funds (Issue 8)

In 2015 the City of Sandusky was very fortunate for the passage of Issue 8, which raised the income tax by a .25% and increased the admissions tax. The additional funds received are used specifically for Capital projects throughout the City. These funds served as the match for all grant funding received on this project.