

MINUTEMAN CAUSEWAY PROJECT

STATE PROGRAM: Florida Department of Environmental Protection

ASSISTANCE RECIPIENT: City of Cocoa Beach

ASSISTANCE AMOUNT: \$1.8M



PROJECT DESCRIPTION

The City of Cocoa Beach, Florida implemented the Minuteman Causeway project, an urban stormwater project that is intended to reduce nutrients discharged into the Banana River Lagoon—a waterbody that is part of the Indian River Lagoon system, a designated estuary of national significance under Section 320.

The Minuteman Causeway project treats an 8.34-acre watershed using three major Low-Impact Design best management practices in its treatment trains. These include native landscape bioswales/tree filters, underground exfiltration, and pervious pavers. Sorption media will be used to further reduce the nitrogen and phosphorus pollution mass before entering the groundwater. This large green infrastructure project reduced nutrient loading for the Indian River Lagoon and has added aesthetic value along the City's streets, making it more attractive to new businesses.

The project is an excellent example of diverse partners coming together to fund a project. It includes a \$1.8 million CWSRF loan at 0.315% interest used to provide match for a Section 319 Nonpoint Source grant. Additional partners include Brevard County, the Florida Department of Transportation, St Johns River Water Management District, the Department of Environmental Protection 319 program and TMDL program, as well as a State of Florida Legislative appropriation. The total cost of construction for this project was \$5.2 million.

To read more about this case study, please visit https://www.epa.gov/sites/default/files/2019-04/documents/cwsrf_section_320_estuaries.pdf.