

FACT SHEET
Herbert Hoover Dike, FL
Construction (C)
Congressional Districts: 17, 18, 20

1. DESCRIPTION

AUTHORIZATION: The Herbert Hoover Dike (HHD) is a component of the Central and Southern Florida (C&SF) Project for Flood Control and other Purposes. The C&SF project was authorized in the Flood Control Act of 1948, 1954, 1960, 1965, and 1968; authorization in 1970 under Section 201 of the Flood Control Act of 1965; the Water Resources Development Acts (WRDA) of 1986, 1988, 1990, 1992, 1996 and 2007; and the Rivers and Harbors Act of 1930.

BACKGROUND: The HHD system consists of approximately 143 miles of levee surrounding Lake Okeechobee, with 32 culverts, hurricane gates and other water control structures. The first embankments around Lake Okeechobee were constructed by local interests from sand and muck, circa 1915. Hurricane tides overtopped the original embankments in 1926 and 1928 causing over 3,000 deaths. The River and Harbor Act of 1930 authorized the construction of 67.8 miles of levee along the south shore of Lake Okeechobee and 15.7 miles of levee along the north shore. The U. S. Army Corps of Engineers (Corps) constructed the levees between 1932 and 1938 with crest heights ranging from +32 to +35 feet, National Geodetic Vertical Datum (NGVD). A major hurricane in 1947 prompted the need for additional flood protection work. As a result, Congress passed the Flood Control Act of 1948 authorizing the first phase of the C&SF project, a comprehensive plan to provide flood protection and other water control benefits in central and south Florida. By the late 1960s the new dike system was completed, raising the elevation of the levees to a maximum +41 feet, NGVD. This provides protection to the Standard Project Flood (SPF) level, approximately an event occurring once in 935 years. However, investigations conducted in the 1980s and early 1990s of the dike system's potential seepage and stability problems resulted in the identification of two major areas of concern: the seepage and embankment stability at the culvert locations, and the problematic foundation conditions of the dike. During high water events piping is experienced thru the levee. In 1999, the Corps developed a plan to rehabilitate the HHD. The plan was approved in 2000 and divided the 143 mile embankment into eight reaches with the initial focus on Reach 1. In August 2016, a Dam Safety Modification Report (DSMR) was completed and approved by the Corps Dam Safety Officer. The approved plan in the DSMR includes all remaining fixes to bring HHD within tolerable risk guidelines.

2. FUNDING

Estimated Total Cost	\$1,667,383,000
Estimated Federal Cost	1,667,383,000
Allocation thru FY16	872,723,000
Carry In for FY17	0
Allocation for FY17	49,500,000
President's Budget FY18	TBD

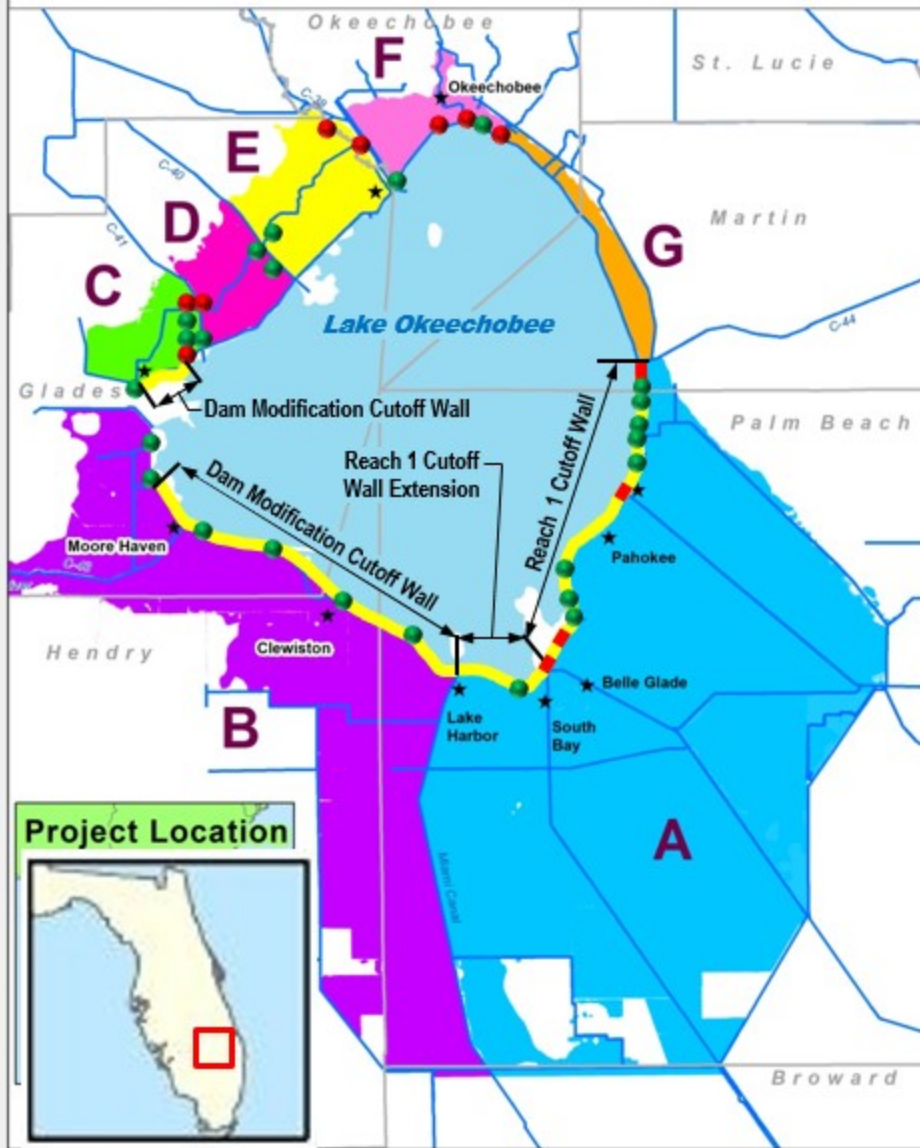
3. SPONSOR

South Florida Water Management District
3301 Gun Club Road
West Palm Beach, Florida 33416-4680

4. STATUS




FY2017 funds will be used to award one additional contract for the replacement of two water control structures and one contract to begin the cutoff wall extension between Belle Glade and Lake Harbor. FY2017 efforts include continued construction on nineteen water control structures at various locations on Herbert Hoover Dike around Lake Okeechobee. Detailed design activities ongoing include water control structure replacements and design of features identified in the DSMR (including additional cutoff wall between the cities of Clewiston and Moore Haven, FL. FY2018 funds will be used to award an additional two construction contracts for the water control structures, continue construction on previously awarded water control structures and Reach 1 cutoff wall extension construction contracts.

HHD Common Inundation Zones



LOCATION MAP



-  Cutoff Wall Completed / Planned
-  Cutoff Wall Gap Closures Ongoing
-  Culvert Replacements Completed / Ongoing
-  Culvert Replacements / Abandonments Planned

Herbert Hoover Dike Rehabilitation