

HERBERT HOOVER DIKE REHABILITATION PROJECT PROJECT UPDATE

Presenter:

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US Army Corps
of Engineers®





HERBERT HOOVER DIKE REHABILITATION PROJECT GOALS

Purpose: Herbert Hoover Dike (HHD) Rehabilitation Project update briefing including background, ongoing work and path forward to project completion.

Project Goals: Safeguarding human life while reducing the intolerable risk of social, economic and environmental impacts to areas around Lake Okeechobee and impacts to the nationally and internationally significant Everglades ecosystem.

- Dam Safety Action Classification (DSAC) Level 1 was assigned 2006 – High hazard dam; highest risk rating and required action in the Corps portfolio of dams
- \$1.80B Total Project Cost (TPC) – Complete all repairs with the implementation of the 2016 Dam Safety Modification Report (DSMR) approved plan
- Lake Okeechobee System Operating Manual (LOSOM) – Implementation after construction
- Federal Emergency Management Agency (FEMA) National Flood Insurance Program (NFIP) – HHD accreditation
- State and local interest in HHD – State of Florida contributed \$100M to accelerate the rehabilitation of Herbert Hoover Dike
- Supplemental Long-Term Disaster Recovery Investment Plan includes \$514,208,000 for Herbert Hoover Dike to fully fund construction beyond FY19



HERBERT HOOVER DIKE ACCELERATED COMPLETION



The White House

Office of the Press Secretary

For Immediate Release

October 26, 2017

Administration Announces Accelerated Completion of Herbert Hoover Dike

Today, President Donald J. Trump instructed the Director of the Office of Management and Budget Mick Mulvaney to accelerate the completion of repairs to Florida's Herbert Hoover Dike. The Herbert Hoover Dike, which surrounds



Funding to Fast-Track Herbert Hoover Dike Repairs Is a 'Go'

By [SUNSHINE STATE NEWS](#)

July 5, 2018 - 3:00pm



Rep. Mario Diaz-Balart surveys damage at the Herbert Hoover Dike after Hurricane Irma

The U.S. Army Corps of Engineers announced Thursday it will use supplemental disaster relief funding to expedite repairs to the Herbert Hoover Dike.

The Office of Management and Budget will issue \$514 million for expedited rehabilitation. These funds are part of the \$141 billion supplemental funding package that Appropriations colleagues helped to secure after the 2017 hurricane season and wildfires.

Both Florida Republican Congressmen Thomas J. Rooney, a senior Republican on the House Appropriations Committee, and Mario Diaz-Balart, founder and co-chair of the Congressional Everglades Caucus and a senior member of the House Committee on Appropriations, have been particularly responsible for pushing the Dike funding through.

Rooney's office says the money will allow the Corps of Engineers to complete the Dike's rehabilitation by 2022-2023.

Fully Funded to Construction Completion:

- FY19 Allocation \$162.4M
- State of Florida's Contribution \$100M
- Supplemental Disaster Relief \$514.2M
- Substantial Completion/ Reduced Risks by 2022

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Project Location

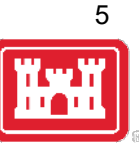
Legend:

- Cutoff Wall Completed
- Cutoff Wall Ongoing Construction
- Cutoff Wall Planned
- Culvert Replacements / Abandonments Completed
- Culvert Replacements Ongoing Construction
- Embankment Armoring Planned



HERBERT HOOVER DIKE IMPLEMENTATION PROGRESS

AUGUST 2020

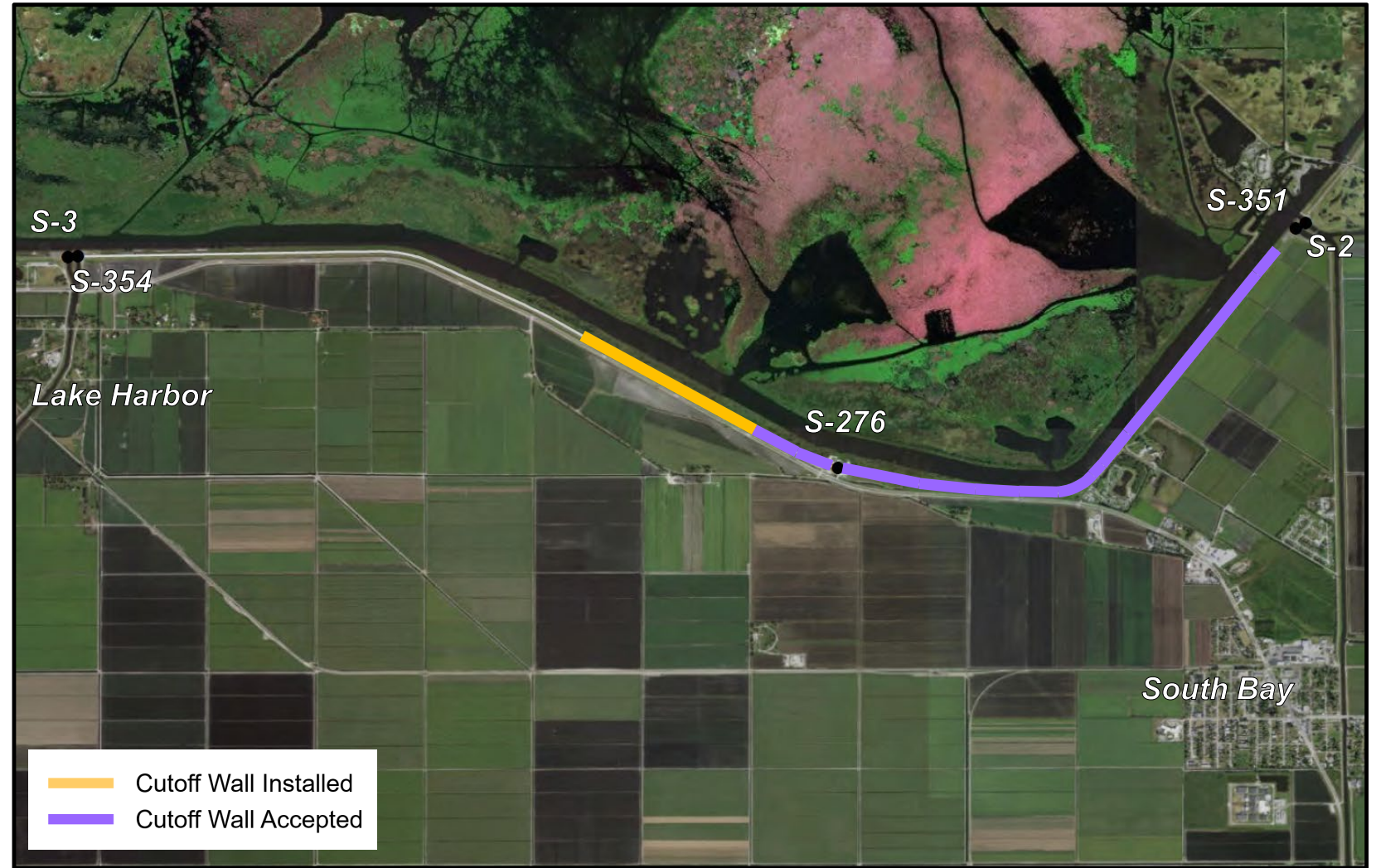


Reach 1 Cutoff Wall Extension

- Contract for 6.4 miles (34,000-LF) of Cutoff Wall Construction
- Contract Awarded February 2018 for \$55.1M
- State of Florida Contributed \$50M
- Treviicos South, Inc.

Construction Progress

- 21,606-LF cutoff wall installed (63.5% complete)
- 17,473-LF cutoff wall accepted (51.4% complete)
- Completion is scheduled for March 2022



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REACH 1 CUTOFF WALL EXTENSION – TREVIICOS SOUTH



Work Platform Construction



Work Platform Removal and Embankment Restoration

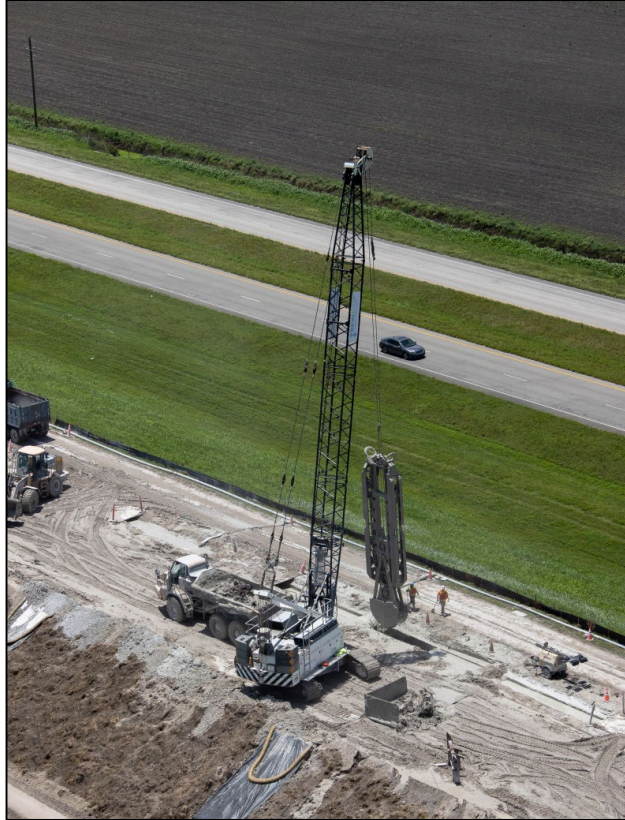
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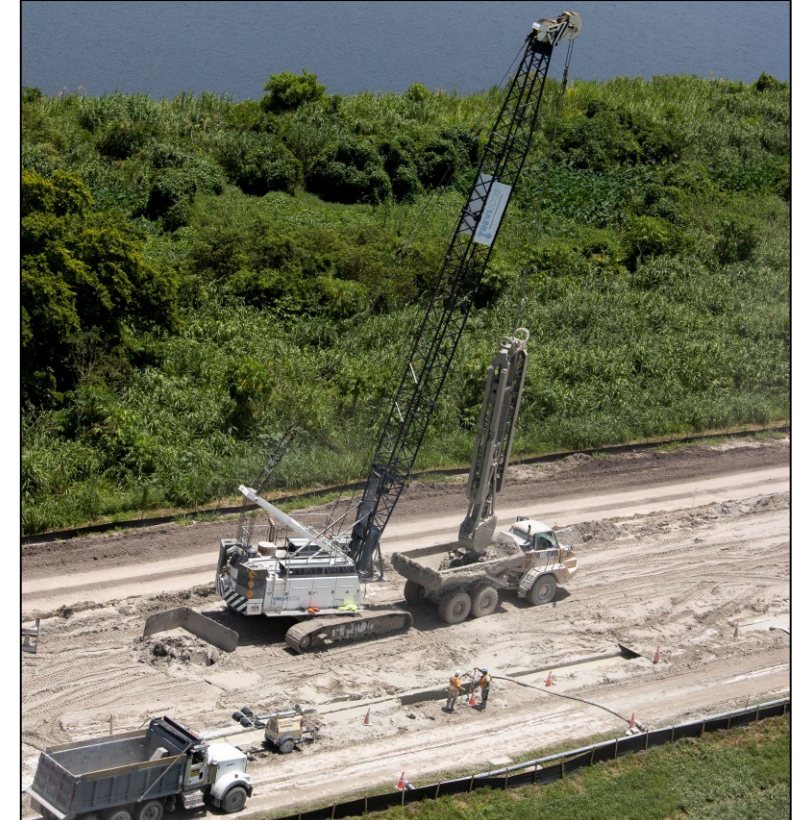
REACH 1 CUTOFF WALL EXTENSION – TREVIICOS SOUTH



Concrete Guide Wall Construction



Clamshell Excavator Removing Embankment Soil



Embankment Soil is Replaced with Trench Slurry

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REACH 1 CUTOFF WALL EXTENSION – TREVIICOS SOUTH



Hydromill Grinding through Rock to final Cutoff Wall Depth and Replaces Trench Slurry with Cutoff Wall Slurry



Hydromill Cutter Head

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REACH 1 CUTOFF WALL EXTENSION – TREVIICOS SOUTH



Cutoff Wall is Tested After 28-days and Accepted if Passes All Testing Criteria



Concrete Guide Walls Removed and Embankment Restoration Begins



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REACH 1 CUTOFF WALL EXTENSION – TREVIICOS SOUTH



Embankment Restoration Complete



South Bay Boat Ramp

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KEY TAKEAWAY POINTS

Major Construction Effort:

- Strategic planning and construction sequencing to facilitate completion by the end of 2022
- 13 active construction contracts with 8 contracts being closed out and the final 2 contracts under design or procurement

Herbert Hoover Dike is Fully Funded to Completion:

- \$1.42B Total Obligations thru July 2020
- \$1.13B Total Expenditures thru July 2020
- Physical construction completion for entire project on-track for 2022

