

DAIRY-HOLLAND PARK 138KV TL MODIFICATIONS

> TRANSMISSION



PROJECT TYPE

Transmission

SCOPE

Emergency transmission line repairs and upgrades along navigable waterway.

LOCATION

Melbourne, Florida
(Indian River Waterway)

CLIENT

Irby Construction,
and Florida Power & Light

START DATE

October 2024

COMPLETION DATE

December 2024

Sumter Utilities served as a subcontractor for Irby Construction on this emergency repair project along the Indian River Waterway in Melbourne, Florida. The project involved specialized barge-based operations to access and upgrade 17 transmission structure locations on a line originally constructed in 1983.

Two dedicated Sumter crews performed time and materials (T&M) work to implement several critical upgrades. The scope included replacing outdated bell insulators with modern polymer alternatives, installing new through bolts to enhance structural integrity, and adding reflective strips essential for safety in navigable waterways. The team also reinforced existing infrastructure by installing new down guy wires and guy plate attachments for brace poles. Additionally, crews installed steel bands to secure concrete poles to their concrete pier foundations, ensuring long-term stability in the challenging waterway environment.

The barge-based approach allowed our teams to access these difficult locations while minimizing environmental impact to the sensitive Indian River ecosystem. Through careful coordination and specialized equipment, Sumter successfully completed these essential reliability improvements to maintain power delivery in the Melbourne area.

