**4673-198-R (444) Town of Longboat Key, Sleepy Lagoon-Norton Street, Flood Risk Reduction**

**Preliminary Scope of Work (SOW)**

The Town of Longboat Key proposes a flood risk reduction project to mitigate repetitive flooding along Norton Street, located in Longboat Key, Florida 34228. Specifically, the project extends approximately 2,040 linear feet Northeast from Norton Street intersection with Gulf of Mexico Drive.

The proposed project includes roadway reconstruction and elevation and stormwater system improvements. The roadway surface will be removed down to the roadway base and rebuilt up to an additional 1.3 feet at the edge of pavement. Elevation of the road will vary depending on the existing grade and is depicted on the construction plans. Once road elevation is complete, all private driveways will be built up to matching grade with the road and accompanying landscaping will be replaced.

To increase the capacity of the existing stormwater management system, additional inlets will be installed, and larger pipes will replace existing pipes. The proposed improvements include the construction of a new stormwater infrastructure comprised of inlets, 1-FDOT Type C inlet, 17 LF 12” reinforced concrete pipe RCP), 337 LF 18” RCP, 1,748 LF 24” RCP, 115 LF 24” HDPE pipe, 3- inline check valves, and two new 24” outfalls ( to be installed through seawall penetration. A wet well will also be installed during this phase of the project. However, the pumps for this wet well are planned for a future phase of this project. Project drainage improvements will ensure that all drainage elements connect to either existing terrain or engineered grading transitions to promote positive outfall from the roadway. Additional construction activities include water and wastewater utility defections, relocations, and adjustments to service lines, along with landscaping and other property-specific work necessary to support elevation changes. Norton Street experiences routine has been subject to repetitive flooding from high tides, rain events, and backwater conditions that prevent drainage during periods of high sea level. The project shall enhance stormwater conveyance, eliminate standing water, and reduce flood impacts to enhance safety and community resilience.

The project shall be constructed to provide protection against a 25-year flood event.  Activities shall be completed in strict compliance with the Florida Building Code, FDOT regulations, all other state of Florida requirements, along with any other Federal, State and Local applicable Rules and Regulations.