

Surfside Drainage Improvement & Flood Hazard Mitigation Plan

Capacity Plan

Goals and Stakeholders

Drainage enhancement will help the Town of Surfside achieve its goal of reducing risks from heavy rainfall, hurricanes, king tides and sea-level rise, particularly in areas known to be vulnerable to flooding. The Town will coordinate with agency and government stakeholders including Miami-Dade County, the Florida Department of Transportation and the U.S. Army Corps of Engineers, to ensure that the drainage plan aligns with Miami-Dade's Greater Miami Resilient 305 strategy, FDOT's plans for enhancing and adapting state-owned roads in vulnerable areas of Miami-Dade, and ongoing Army Corps projects including the "Back Bay" study for storm surge mitigation. Additionally, the Town will work closely with its academic partners at the University of Miami School of Architecture Littoral Urbanism Lab (LU_Lab), which is developing a community adaptation toolkit for Surfside that includes proposals for enhanced water management in the town's roadways and green spaces. Close coordination with LU_Lab will ensure the drainage plan benefits from LU_Lab's insights and recommendations thus far; it will also make sure that LU_Lab's future work for Surfside accounts for the drainage plan recommendations.

In the public workshops and through surveys, the Town will seek input from key non-expert stakeholders including residents and businesses, as well as the major religious institutions, hotels and resorts located in Surfside.

Work Plan and Existing Resources

Major tasks will consist of public outreach; data collection; stakeholder meetings; development of the drainage improvement and flood hazard mitigation plan; development of a funding strategy; and, ultimately, implementation of all proposed recommendations. Anticipated deliverables will be posted online as they are finalized; anticipated deliverables include: data sets and mapping, a draft plan, a final plan and a funding strategy, as well as two surveys and recordings of public workshops. Existing resources consist of Town staff on the planning team, data gathered through the Town's stormwater master plan process, and a future flood hazard analysis that will be released next month.

The drainage enhancement plan will be undertaken by an engineering firm to be determined either through an RFQ process or by developing a scope of work for the Town's existing pool of engineers; the contract would include any skilled personnel the firm needs to complete its work. Jason Greene, the town's Finance Director and Interim Assistant Town Manager, will manage the RFQ/scope development process, including compliance with HUD guidelines on procurement. Jason has 22 years of experience in public finance and a master's in business administration from the University of Miami. Randy Stokes, Surfside's Public Works Director, will supervise work performed by the engineering and design firm and provide quality control as the plan is developed. Randy has 35 years of experience in public works management, including four years as Surfside's Public Works Director and four as Assistant Director. Kate Stein, the Town's Sustainability & Resiliency Officer, will oversee public outreach. Kate has

worked for Surfside for eight months and comes from a communications background. Attached please find resumes for these Town staff members. Finance Department staff will manage the grant.

Quality Control and Anticipated Updates

During the plan development, Surfside's Public Works Director will ensure quality control through regular check-ins with the engineering firm to identify any potential shortcomings of modeling or analysis. Data and hazard analysis used for the development of the drainage improvement plan will also be compared with the future flood hazard analysis and the stormwater master plan, as additional reference points. Once the drainage improvement plan is finalized, it will be reviewed every two years and prior to design of any proposed projects to ensure it fully accounts for rising sea levels and changing climatic conditions, including intensified rainfall and stronger storms. Both the drainage improvement plan, and the funding strategy, also will be updated in the aftermath of any natural disaster or other extreme event. For updates, the Town of Surfside will seek funding from mitigation or planning grants, such as a new CDBG-MIT grant or a planning grant from the Florida Resilience Coastline Program.