**Purpose and Need**

**Development of Wind Speed Line Maps Web Viewer for the Florida Building Code, 7th Edition (2020)**

The State of Florida Department of Business and Professional Regulation

Florida Building Commission

and

University of Florida, GeoPlan Center

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**Introduction**

During the course of the 2019-2020 project, Update and Development of Wind Speed Line Maps for the Florida Building Code, 7th Edition (2020), it was determined that less than 20% of the counties in the state were using an in-house GIS system to determine the wind speed risk category for each parcel that went through their development review process. Counties with larger operating budgets were simply ingesting the state-provided GIS files into their web mapping systems to provide the wind speed lines “As Is” to the general public. This allowed them to more quickly and accurately follow the FBC wind speed mapping figures by providing results on a parcel-by-parcel basis.

The remaining counties without readily accessible in-house GIS capabilities based their decisions on county level PDF maps, to determine the wind speed load requirements for each parcel. However, we determined that a state level map viewer, similar to the one developed to aid with the 2019-2020 project, could assist smaller counties and municipalities wanting to follow a similar process.

In the project’s final report, we suggest that FBC develop a state level web-map viewer to display the four Risk Category I-IV Wind Speed Lines and statewide parcels. This online map viewer could also include datasets such as the FEMA Flood Hazard Zones of the Digital Flood Insurance Rate Map. Both the statewide parcels and FEMA flood hazards datasets are updated yearly and are publicly available from Florida Geographic Data Library, which is housed at the GeoPlan Center.