



ACCELERATED BRIDGE CONSTRUCTION  
UNIVERSITY TRANSPORTATION CENTER

<b>UTC Project Information</b>	
Project Title	High-Resolution Approach for Hurricane Risk and Resilience Analysis for Miami-Dade County
University	Florida International University
Principal Investigator	Omar Nofal
PI Contact Information	onofal@fiu.edu
Funding Source(s) and Amounts Provided (by each agency or organization)	Potential funds: Miami Dade County Other funds: PI startup package
Total Project Cost	\$70,000
Agency ID or Contract Number	69A3551747121
Start and End Dates	May 30,2023 – May 30,2024
Brief Description of Research Project	In this research project, building-level multi-hazard hurricane risk analysis will be developed for Miami-Dade County. The state-of-the-art high-resolution approach will be used for hazard, exposure, and vulnerability modeling (Nofal et al. 2021). The final outputs will be in terms of loss ratios and damage estimates corresponding to specific hurricane scenarios.
Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	The outcomes will be tracked and reported once they are identified.
Impacts/Benefits of Implementation (actual, not anticipated)	The impacts will be tracked and reported once they are identified.

Web Links

- Reports
- Project website

[High-Resolution Approach for Hurricane Risk and Resilience Analysis for Miami-Dade County | Accelerated Bridge Construction \(fiu.edu\)](#)