



Ryan M. Gissal, PE, FL #78615, TX #129555
Senior Forensic Engineer
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Professional Summary

Mr. Gissal has over 12 years of experience in structural and geotechnical engineering. Mr. Gissal has significant experience in the structural analysis and design of residential structures, as well as, structural failure analysis related to roof systems, flooring, and building components. His background and work experience includes over 6 years of dynamic monitoring and load testing of deep foundations.

- Storm/Weather Damage analysis
- High strain (PDA) dynamic pile testing and analysis
- Cross hole sonic logging
- Low strain (PIT) pile integrity testing
- Engineering Design and Repairability
- Code compliance

Licenses and Certifications

Professional Engineer, Florida License No. 78615
Professional Engineer, Texas License No. 129555
Professional Engineer, New York License No. 99431
PDCA Dynamic Measurement and Analysis Proficiency Test Certification

Education

Bachelor of Science, Civil Engineering, University of Central Florida

Professional Experience

Independent Forensics Group, **Senior Forensic Engineer**, 2021 - Present
Monta Consulting & Design Inc., **Assistant Chief Engineer**, 2015 - 2021
GRL Engineers Inc., **Project Engineer**, 2009 - 2015

Publications

Conroy, R., Mondello, B., Hussein, M.H., Gissal, R., June, 2010. Drilled Shaft Load Testing: Made Easy and Inexpensive. Foundation Drilling Magazine, June/July 2010; 53-57.

Affiliations

American Society of Civil Engineers (ASCE)



Litigation

Deposition – Roof Damage, Civil Court, Volusia County, FL, Case #2022 15602 CODL (February 2023)
Deposition – Roof Damage, Civil Court, Seminole County, FL, Case #2023-CA-003299 (February 2023)
Deposition – Structural Damage, Civil Court, Seminole County, FL, Case #2023-CA-00391 (November 2024)
Deposition – Roof Damage, Civil Court, Seminole County, FL, Case #2023-CA-002751 (January 2025)

Projects

(PDA) (CSL) (PIT) Project Details
First Coast Expressway (SR 23) North and South, Clay/Duval Counties, FL
I-595 Express lanes, Broward County, FL
Widening of SR 9 (I-95) from SR 406 to 0.5 miles north of SR 44 Brevard/Volusia Counties, FL
TPA Phase 2B Berth 211/210 Crane Rail, Tampa, FL
Seminole County Regional WTF at Yankee Lake, Seminole County, FL
Bell Bend Nuclear Power Plant SPT Rod Calibrations, Berwick, PA
OOCEA SR 429-200 Maitland Blvd Extension, Orange County, FL
SNFY 1000 & 1010, ARBI 4 & 5, HSBH 22 & 24 Jackets, Arabian Gulf
Cruzan Rum Distillery: WWTP Dock CMS System, St. Croix, USVI
Lee Roy Selmon Crosstown Widening, Hillsborough County, FL
SR 710 Big John Monahan Bridge Replacement, Martin County, FL
Max Brewer Bridge Project, Titusville, FL