



PERSONNEL QUALIFICATIONS

Swapna Danda | Senior Associate



EDUCATION

- Osmania University
 - Bachelor of Science, Civil Engineering, 1999
- University of Illinois Chicago
 - Master of Science, Civil Engineering, 2001

PRACTICE AREAS

- Forensic Geotechnical Engineering
- Geotechnical Engineering
- Federal Agencies
- Public Transportation
- Pavement Investigations
- Repair Design
- Peer Review
- Load Analysis

PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers (ASCE)
- Geo-Institute

TECHNICAL COMMITTEES

- Virginia Geo-Institute - GeoVirginia Conference Committee

CONTACT

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EXPERIENCE

Swapna Danda has more than seventeen years of experience as a geotechnical engineer performing various geotechnical investigations for transportation (including design-build), residential, commercial, industrial, local governments, and federal projects in Virginia, Maryland, the District of Columbia, Illinois, Wisconsin, Delaware, and North and South Carolina. She also has extensive experience with geotechnical requirements for foundations, site work, and pavements for various jurisdictions in the U.S. Mid-Atlantic region based on that region's unique geologic conditions. Ms. Danda has overseen geotechnical and environmental services and has planned and executed subsurface exploration programs, reviewed civil drawings, correlated field and laboratory investigation data; performed geotechnical analyses, and has prepared geotechnical engineering reports, proposals, and project management, budgeting, and progress reports.

REPRESENTATIVE PROJECTS

Forensic Geotechnical Engineering

- Building Collapse Investigation - Southeast, FL: Geotechnical data review and analyses to evaluate foundation systems
- Oak Ridge Apartments - Hagerstown, MD: Floor slab settlement investigation repair design
- Parking Garage Structure - NC: Geotechnical report peer review of parking garage experiencing severe foundation settlements, and investigation of causation
- The Redpoint - Harrisonburg, VA: Foundation settlement investigations and repair drawings development
- Aruba Condominiums - Daytona Beach, FL: Seawall failure investigation
- The Pioneer - Everett, MA: Geopier failure investigation and peer review
- Private Residence - Boca Grande, FL: Lateral load analysis of drive pile foundations related to structural distress

Geotechnical Engineering

- COMED GIS Building - McCook, IL: Geotechnical report and foundation drawings peer review
- City of Chelsea Cemetery - MA: Retaining wall design drawings

- Buffalo Niagara International Airport - NY: Tunnel repairs and geotechnical report peer review
- Avalon - Hunt Valley and Hyattsville, MD: Geotechnical reports and geophysical studies for proposed mixed-use developments *
- Navy Federal Credit Union - Vienna, VA: Geotechnical investigation for pedestrian bridge *
- CP Crane Station - Middle River, MD: Geotechnical field investigation of abandoned coal plant; foundation recommendations for each structure *
- Montgomery County Public Schools - MD: Geotechnical engineering reports for design and construction of new school buildings *
- Northern Virginia Community College (IDIQ, VA DGS Contract): Geotechnical investigations for community college facilities *

Federal Agencies

- Marine Corps Base, Quantico, VA - Runway and taxiway geotechnical investigation *
- Pax River Naval Air Station, Building B1652 - Patuxent, MD: Geotechnical engineering reports *
- Andrews Air Force Base, Vehicle Maintenance Facility - MD: Geotechnical engineering reports *

Public Transportation

- SH 130 - TX: Bridge abutment walls slope stability analysis
- I-66 Expansion Tender Phase - Prince William to Fairfax County, VA: Geotechnical tender phase for twenty-three-mile expansion of I-66 for three regular, one-direction lanes and two express lanes *

Pavement Investigations

- Morgan Lakes II - Pooler, GA: Pavement distress investigation and design review
- Gramercy Square Apartments - Charlotte, NC: Pavement distress investigation

* Projects prior to WJE