



RESUME

EDWARD B. HEARN

POSITION Vice President, Chief Engineer
GeoTechnologies, Inc.
Raleigh, North Carolina

FIELDS OF COMPETENCE

- Project Management
- Quality Control/Quality Assurance Supervisor
- Expert Witness
- Slope Failure Investigation
- Deep Excavation
- Deep Foundation
- Geotechnical Engineering
- Groundwater Modeling
- Field Inspection and Evaluation
- Site Evaluations

KEY PROJECTS AND ASSIGNMENTS

- Project Engineer for numerous dam feasibility and design projects including:
 1. 60 foot high earthfill dam in Yanceyville, North Carolina for the SCS.
 2. 90 foot high earth and rockfill dam for the City of Durham, North Carolina.
 3. 75 foot high earth dam in Seven Lakes, North Carolina.
 4. Roller compacted concrete dam for the City of Wilson Reservoir in North Carolina.
- Project Engineer for \$400 million Nabisco Plant in Garner and \$300 million GLAXO Research and Development Center at Research Triangle Park.
- Evaluation of slope stability failures - six highway slides along Route 2 in West Virginia, a 200 foot high soil fill in North Carolina, and small embankment failures in Georgia, North Carolina and West Virginia.
- Project Engineer for investigation, and analysis for development of a Coastal fishing harbor in Wanchese, NC, and for the Port Services Facility at the King's Bay Trident Base in Georgia.
- Engineering review of dewatering system for artificial lake on bluffs for pump storage plant project on Lake Michigan.
- Consulting geotechnical engineer on landfill projects in Alamance County, Franklin County, Davidson County, North Carolina and for the Horry County, South Carolina project.
- Project Engineer for evaluation of foundation support and excavation bracing alternatives for numerous 15 to 40 story high-rise and numerous mid-rise buildings throughout the southeast.
- Project Engineer responsible for monitoring quality control testing services on numerous landfill projects for municipalities in North Carolina and South Carolina.
- Chief engineer for review of geotechnical investigations on numerous new and replacement bridges throughout North Carolina for the North Carolina Department of Transportation.



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- Chief Engineer responsible for final engineering review on geotechnical investigation for numerous NCDOT bridge projects including:
 1. Sunset Beach Replacement Bridge on NC 1172, Brunswick County, NC
 2. Thorofare Bay Replacement Bridge on NC 12, Carteret County, NC
 3. Roanoke Sound Replacement Bridge on US 64/264, Dare County, NC
 4. New Bridge on US 70 over Aviation Parkway, Wake County, NC
 5. New Bridge Widening on US 17 over Perquimans River, Perquimans County, NC
 6. Replacement Bridge on NC 172, Onslow County, NC
 7. Replacement Bridge on US 441, Franklin, NC

- Project Engineer for numerous projects in the Research Triangle including:
 1. Bristol Myers Tablet Plant, Morrisville
 2. Data General Manufacturing Plant, Apex
 3. GLAXO Headquarters Facility
 4. Northern Telecom Complex
 5. J. E. Serrine Office Building
 6. Burroughs-Wellcome Additions
 7. Park Office Complexes
 8. Mitsubishi Plant, Durham County
 9. Little River Dam Project, Durham County

- Project Engineer for numerous office parks in North Carolina, including:
 1. Regency Park in Cary
 2. Weston in Cary
 3. Highwoods Office Park in Raleigh
 4. Craven County Industrial Park in New Bern
 5. Imperial Center in Research Triangle Park
 6. Cumberland County Industrial Park in Fayetteville

- Project Geotechnical Engineer for numerous projects where deep foundations (piles and caissons) were utilized:
 1. Embassy Suites, Raleigh
 2. Wake County Public Safety Bldg., Raleigh
 3. Moore's Square Transit Mall, Raleigh
 4. First Union Building, Raleigh
 5. Power Plants in SC, NC, and Virginia
 6. One Independence Center, Charlotte, NC
 7. Regency Park - Buildings 2000, 8000 and 11,000 - Cary

- Project Engineer for numerous industrial and commercial projects throughout North Carolina, South Carolina, and Virginia, including steam power plants for the Norfolk Naval Shipyard and South Carolina Gas and Electric; and shopping centers from Wilmington to Asheville.

- Geotechnical Engineer for the Design of the following water and sewer line projects:
 - Utility line installation, Cary, NC
 - Regency Park/S. Sewer Line, Cary, NC
 - Bolin Circle Sewer Line, Chapel Hill, NC
 - Wake County Sewer Facilities, Raleigh, NC
 - Holly Springs Water Improvements
 - West Raleigh Interceptor
 - Selma Water and Sewer System
 - Hillsborough Sanitary Sewer System
 - Hoffman Dillard Sewer Line, Cary, NC
 - E. B. Bain Plant Additions, Raleigh, NC
 - Orange Water & Sewer Authority, Chapel Hill, NC



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- Project Engineer for numerous commercial and industrial projects throughout the Coastal Plain of North Carolina including several projects at Camp LeJeune and Cherry Point.
- Senior Geotechnical Engineer for primary construction and/or upgrading of Water Treatment Plant and Raw Water Reservoir in Greenville, Jonesville, Southern Pines, Troy, Hamlet, Asheboro, Red Springs, Roanoke Rapids, Robbins and Raleigh, NC.

PROFESSIONAL REGISTRATIONS

- Registered Professional Engineer, North Carolina

EDUCATION

B.S., Civil Engineering, Georgia Institute of Technology, 1973
M.S., Soil Mechanics, University of California, 1976

EMPLOYMENT HISTORY

1992 - Present	Chief Engineer GeoTechnologies, Inc. Raleigh, North Carolina
1988 - 1991	Chief Engineer Westinghouse Environmental and Geotechnical Services, Inc., Raleigh, North Carolina
1984 - 1988	Engineering Dept. Manager Soil & Material Engineers, Inc. (Purchased by Westinghouse in 1987) Raleigh, North Carolina
1977 - 1984	Staff Engineer Soil & Material Engineers, Inc. Raleigh, North Carolina
1976 - 1977	Staff Engineer McClelland Engineers St. Louis, MO
1973 - 1976	Staff Engineer Law Engineering Testing Company Atlanta, GA