

PATRICK W. HEERDT, P.E.

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Senior Civil Engineer • Sr. Project Manager • Risk Manager

PROFILE

Highly accomplished Professional Engineer with background in civil engineering management and a consistent record of facilitating project and program success through effective technical leadership of engineering, risk, and quality functions. Special expertise in residential, commercial and industrial development, highway and roadway design. Excellent business development capabilities including preparing proposals, budgeting, scheduling, and problem-solving skills. Experienced courtroom expert witness. QA/QC Trained.

AREAS OF EXPERTISE

Civil Engineering • Program/Project Management • Infrastructure Design Engineering • Construction Inspection • Regulatory Compliance and Permit Application Strategies • Master Plan Development & Integration • Land Development • Highway Design & Construction • Contract Management

PROFESSIONAL EXPERIENCE

PATRICK HEERDT, P.E., Marietta, GA 2008 - Present
Consultant Engineer

Established consulting practice offering services to residential homebuilders in Georgia and Florida.

HOME BUYERS WARRANTY CORP., Norcross, GA 2005-2008
Eastern USA Risk Manager

Carried out risk assessment and management for 34-state region as Eastern USA Risk Manager. Responsibilities included overall supervision of home inspection staff as well as technical supervision of over 20 customer service and enrollment compliance staff and coordination of engineering 10 to 15 subconsultants. Supported projects up to \$10M per structure including review and analysis of geotechnical, structural and civil design elements of major residential and mid-rise construction projects.

- Established team of structural engineers and other professionals to inspect mid-rise structures under consideration for builder warranty and structural insurance programs.
- Facilitated 500% increase in revenue by expanding risk management review of projects representing \$700M in book value from five to over 40 projects per year.
- Improved profitability by implementing risk assessment review procedures for single-family homes valued at >\$1M and for HUD mortgaged homes in areas w/o building code inspections.

FLORIDA DESIGN CONSULTANTS, INC., New Port Richey, FL 2000, 2003-2005
Senior Project Manager

Managed several major affordable housing development projects for national homebuilder. Prepared feasibility studies and other project documentation for low interest funding; completed final design and regulatory permit applications for approval of multi-family affordable housing developments. Negotiated design of 440+ acre residential development consisting of 625 lots on a 177 acre site dispersed with lakes and wetlands. Project Manager for the preparation of the boundary survey, property rezoning, and wildlife surveys as well as the preliminary site plan lot yield and cost estimates.

MAYES, SUDDERTH & ETHEREDGE, INC., Marietta, GA 1998-2000, 2002-2003
Senior Civil Engineer

Served as Project Manager, Client Manager, and Engineer in Charge on several major city projects.

- Project Manager and Client Manager for major portions of a City of Atlanta Sanitary Sewer Separation Plan, including client manager for the project with a service fee of \$6M. Completed conceptual engineering documents for >60 miles of sanitary sewer design.
- Prepared final designs for City of Douglasville sidewalk and bike lane improvement projects. Submitted plans to GDOT and FHWA. Managed preparation of construction plans that led to additional FHWA funding. Created concept reports, environmental documents, and final design plans for seven projects.
- Project Manager for design of new police and fire station in City of College Park, including remote parking, underwater storage and intersection improvements.
- Engineer in Responsible Charge for analysis and design of gravity sewer line for Cobb Co. Water System in Georgia, which enabled county to take an existing pump station off line.

PITMAN-HARTENSTEIN & ASSOCIATES, INC., Tampa, FL 1992-1997, 1998

Senior Civil Engineer / Senior Project Manager

Managed bridge replacement, road reconstruction, and other projects. Prepared and conducted QA and QC training classes for managers.

- Managed the inspection of over 1100 highway bridges for the FDOT District 7 Tampa, Florida; services included site investigations, hydraulic analyses, design of scour countermeasures and a Plan of Action for bridges subject to scour for riverine and tidal/coastal conditions.
- Negotiated the scope of services, sub-consultants and design service fees for the Tyrone Blvd. Reconstruction Project in St. Petersburg, FL for the FDOT.

W. L. JORDEN & CO., INC., Atlanta, GA 1997-1998

Senior Civil Engineer

Oversaw design of 25,000-gpd on-site sewage management system for Paulding Co., GA, Parks & Recreation Dept. Designed five septic tank and absorption fields, dosing chambers, and pump stations.

HARRINGTON GEORGE & DUNN, P.C., Atlanta, GA 1997

Civil Department Manager / Senior Project Manager

Served as Project Manager for several sanitary, water, and storm drain public works projects.

- Managed design of a seven mile long, four lane divided highway reconstruction project for Georgia DOT. Project included roadway plans, engineering design, and hydrology and storm water solutions.
- Managed site evaluation, construction planning, and construction for City of Atlanta storm water collection system repair and stream bank improvement projects. Supervised engineers and technicians.
- Served as Project Engineer for initiative to widen two-lane road to four lanes for Fulton Co. Dept. of Public Works in Georgia. Prepared conceptual plans and conceptual design report.

GEORGE F. YOUNG, INC., St. Petersburg, FL 1990-1992

Project Manager / Senior Engineer V

Coordinated engineers in preparing surface water permit applications for roadway and land development projects, and preparation of Church Creek Drainage Basin Study for Pinellas Co.

- Oversaw design of scour countermeasures for the existing Perrine Ranch Road Bridge including preparation of the hydraulic model, design of abutment and channel scour countermeasures; and the preparation of ACOE and FDER permit applications for construction and future maintenance.

ADDITIONAL EXPERIENCE

JOHN C. LANDON & ASSOCIATES, INC., Palm Harbor, FL 1989- 1990

Project Manager / Senior Engineer IV

POST, BUCKLEY, SCHUH & JERNIGAN, INC., Clearwater/Tampa, FL 1985-1989

Regional Development Manager, Water Resources and 1979-1984

ARDAMAN & ASSOCIATES, INC., North Fort Myers, FL 1977-1979

Office Manager and Geotechnical Engineering Technician

EDUCATION

BS in Civil Engineering Technology, Florida International University, Miami, FL

AAS in Civil Engineering Technology, Erie County Community College, Williamsville, NY

LICENSES & CERTIFICATIONS

Georgia Professional Engineer (No. 23618); Florida Professional Engineer (No. 34258)
Level II Certified Design Professional, Erosion/Sedimentation Certificate (GA No. 56098)

AFFILIATIONS

American Society of Highway Engineers; American Society of Civil Engineers
National Society of Professional Engineers; Georgia Society of Professional Engineers
Florida Engineering Society (former State Membership Committee Chairman)

VOLUNTARY COMMUNITY PARTICIPATION

Member, Chattahoochee Basin Advisory Council to the Metropolitan North Georgia Water Planning District, Georgia
Member, St. Joseph Church Parking Lot Capacity Improvement Committee, Marietta, Georgia