



**MARSHALL H. DOUGHERTY, JR., P.E.**  
**EXPERIENCE PROFILE**

**September 2005 to Present**

Prescription Engineering Solutions, LLC  
Lakeland, Florida  
(863) 370-4079 or (863) 644-1585

Serve as President of own small-business consultant engineering firm. Responsible for all work performed within private site development and transportation-oriented areas. Specialty areas are production processes, design, maintenance-of-traffic, specifications and quality control.

Provide continuing consultation on, and development of, traffic control plans throughout central and south Florida.

**Current Project Profiles:**

Serve on the Disputes Review Boards for several projects in the central Florida region. Those projects are:

- U.S. 41 – Milling and resurfacing from Winkler Avenue and State Road 82 in Lee County.
- State Road 429 – Wekiva Parkway (Section 8) new construction project in Seminole County.
- State Road 52 – Widening project from Suncoast Pkwy to east of U.S. 41 in Pasco County.
- Polk Parkway – Widening and resurfacing from south of Old Dixie Hwy. to Pace Rd. in Polk County.
- I-275 – Widening from north of I-4 to north of Hillsborough Ave. in Hillsborough County.
- Downtown Tampa Interchange – I-4 and I-275 interchange redesign design-build

**January 2003 to September 2005**

Florida Department of Transportation  
District One – Bartow, Florida  
District Design Support Engineer  
Supervisor: Mr. F. W. Chupka, Assistant District Design Engineer  
(863) 519-2572

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Experience Profile

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Served as District Design Support Engineer / Special Projects Coordinator. Responsible to direct department engineers, as well as consultant engineers, in development of construction plans components for all highway improvements.

Directed, managed and supervised four major design support units: Storm Water Management, Structures Design, Specifications, and Quality Assurance / Design Services. Provided plans components and reviews required to ensure accurate project advertisements and lettings.

Managed daily activities of Specifications Unit. Responsible for timely production of all specifications packages. Charged with signing and sealing all packages prepared, per Florida statutes. Ensured accurate and complete development of construction specifications package for all projects let.

### **April 1993 to January 2003**

Florida Department of Transportation  
District One - Bartow, Florida  
Assistant District Design Engineer  
Supervisor: Mr. J. M. Peterson, District Design Engineer  
(863) 682-4098

Served as assistant to District Design Engineer. Duties encompassed entire production effort of Design Office. Specific responsibilities were District Specifications Engineer, District Interstate Program Manager and District Transportation Enhancement Program Manager. Represented Design Office at public meetings and functions.

Primary specifications responsibilities were direct supervision of District Specifications Office. Involved with administrative and budgeting processes. Responsible to ensure accurate and complete development of construction specifications package for projects let from our district.

Fully involved with Department's specification package preparation training for consultant firms doing Department work. One of a two-person team providing double session, two-day training throughout state. Training began in September 2000 and continued until my retirement in September 2005. Involved in periodic meetings with previously trained consultant employees in order to keep them updated with latest edition of specification materials.

Primary responsibilities within Interstate Program were to effectively oversee and coordinate project management activities associated with development of our Interstate 4 upgrading. Involved with management efforts throughout incorporation of design options associated

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with November 2000 high-speed rail amendment.

Served as District Transportation Enhancement Program Manager. Effort involved start-up and management of District's transportation enhancement design program.

Involved with state-wide project management training through continuing presentations on quality control plan and typical section development from 1996 until training restructuring efforts began in late 2004.

Worked, as an appointee, on Polk County Variance Review Board from March 1993 through August 2000. Served one year on Board as member and continuously chaired Board from March 1994.

### **March 1989 to April 1993**

Florida Department of Transportation  
District One - Bartow, Florida  
District Construction Engineer  
Supervisor: Mr. G. N. Ivey, District Director - Operations  
(863) 533-4011

Primarily responsible to administer construction work program for district. Accomplished through central construction administration office and four resident engineer offices geographically located throughout district. Normal work program consisted of approximately forty-eight contracts involving over \$140 million.

Construction administration office was comprised of sixteen professional and senior engineers handling administrative duties. Construction engineering and inspection staff in resident offices numbered one hundred thirty-three and provided daily work oversight of all contracts for compliance to standard specifications for road and bridge construction.

### **June 1987 to March 1989**

Florida Department of Transportation  
District One - Bartow, Florida  
District Professional Services Engineer  
Supervisor: Mr. J. H. DeWinkler, District Director - Production  
(800) 649-4336

Responsible for acquisition of consultant services and administration of district consultant contracts. Office prepared an average of thirty new contracts each year totaling approximately \$25 million. Administered sixty-five on-going contracts.



Responsible for Cost Estimates and Specifications office. Charged with ensuring district databases reflected current estimates of cost for proposed projects. Administrators of district controlled mini-contract process. Program consisted of projects with estimated construction costs less than \$250 thousand and accounted for yearly average of approximately \$8 million.

**August 1983 to May 1987**

Florida Department of Transportation  
District One - Bartow, Florida  
Assistant District Design Engineer  
Supervisor: Mr. J. M. Peterson, District Design Engineer  
(863) 682-4098

Supervised day-to-day activities of design sections in district. Total staff count was sixty-one positions.

Acted as primary Expert Witness for most imminent domain cases within the district. Most cases involved I-75 from Lee County through Hillsborough County and the U.S. 19 corridor throughout Pinellas County.

**May 1981 to August 1983**

Chastain-Skillman Engineers, Inc.  
Lakeland, Florida  
Project Manager  
Supervisor: Mr. K. R. Campbell, Vice President  
(863) 646-1402

One of four project management positions of small, Lakeland, Florida based engineering firm. Totally involved with public relations, client negotiations, contract negotiations, planning, design, and construction inspection for a wide variety of projects.

Licensed as a Professional Land Surveyor in February 1982.

**June 1979 to May 1981**

Florida Department of Transportation  
District One - Bartow, Florida  
Assistant District Design Engineer - Consultants  
Supervisor: Mr. J. M. Peterson, District Design Engineer  
(863) 682-4098



Responsible for operations associated with consultant design activities for district. Supervised day-to-day activities of one design section containing eleven technical personnel.

### **July 1977 to June 1979**

Florida Department of Transportation  
District One - Bartow, Florida  
Drainage Engineer  
Supervisor: Mr. M. Y. Lett, District Drainage Engineer (Deceased)

Responsible for complete designs of storm water collection and distribution systems for fourteen- county district. Charged with reviewing consultant designs for all projects.

Licensed as a Professional Engineer in July 1977.

### **April 1975 to July 1977**

Florida Department of Transportation  
District One - Bartow, Florida  
Assistant District Right-of-Way Engineer  
Supervisor: Mr. W. J. Pickhaver, District Right-of-Way Engineer (Deceased)

Responsible for supervising, scheduling, and monitoring three separate units (Map Preparation, Computer Liaison, and Deed Writing) within the Right-of-Way Engineering section.

Responsible for work efforts provided by all consultants preparing right-of-way maps and documents.

### **April 1973 to April 1975**

Florida Department of Transportation  
District One - Bartow, Florida  
Professional Engineer Trainee  
Supervisor: Mr. W. R. Trefz, Deputy District Engineer (Deceased)

Program is intended to supplement technical training with practical experience at district and department levels. Primary objective is to produce an engineer with broad background exposure in all phases of Department of Transportation operations.

Specialization period was spent in roadway design section.



**June 1972 to August 1972**

Florida Department of Transportation

District One - Bartow, Florida

Summer Employee

Supervisor: Mr. W. J. Pickhaver, District Right-of-Way Engineer (Deceased)

Worked within Right-of-Way Engineering Department with responsibilities being those of beginning draftsman.

Summer job between two senior level years at University of Florida.

**June 1971 to August 1971**

Florida Department of Transportation

District One - Bartow, Florida

Summer Employee

Supervisor: Mr. R. S. Davies, Senior Designer

Worked within Design Department with my duties being those of beginning draftsman.

Summer job between junior and senior years at University of Florida.