



DAVID PLUMMER & ASSOCIATES  
TRANSPORTATION • CIVIL • STRUCTURAL • ENVIRONMENTAL

President

**Timothy J. Plummer, PE**

## **PROFESSIONAL ENGINEER**

### **EDUCATION:**

Bachelor of Science, Civil Engineering, North Carolina State University  
Master of Business Administration, University of Colorado

### **PROFESSIONAL ENGINEER:**

State of Colorado - #29878  
State of Florida - #49676

### **PROFESSIONAL AFFILIATIONS:**

Institute of Transportation Engineers  
Industry Advisory Board, University of Miami

### **CONTINUING EDUCATION:**

Advanced Traffic Signal Systems Technology Workshop, Iowa State University  
Project Development and Environmental Documentation Course, FHWA  
Fundamentals of Geometric Design Workshop, Northwestern University Traffic Institute  
Transportation Exchange, Florida Atlantic University

### **EXPERIENCE:**

Mr. Plummer is responsible for the overall transportation planning, traffic engineering, and civil design for the company. These responsibilities include: project management and strategies, technical analysis, and quality control/quality assurance. He has over 23 years of transportation/civil experience including two years with the Florida Department of Transportation's District 6 office.

Mr. Plummer's general experience includes tasks related to traffic operations and safety, transportation engineering, transportation planning, traffic engineering, access management, site design, traffic calming, parking analyses, and geometric design. His transportation engineering experience includes traffic impact analyses, transit studies, access management, corridor studies parking studies, and safety studies. Mr. Plummer's design experience includes roadway design, site design, and signal design. His experience also includes signal timing (using TRANSYT-7F) and capacity analysis (Highway Capacity Software), as well as the interconnection of multiple traffic signal controllers.

### **REPRESENTATIVE PROJECTS:**

Mr. Plummer has worked on various projects from planning through design. Several of the significant projects are:

#### **City of Boca Raton Downtown Parking Study**

Mr. Plummer managed the technical efforts for a comprehensive parking study for Downtown Boca Raton to reanalyze the adopted parking requirements and investigate new strategies to meet short-term and long-term parking needs. The work tasks included a detailed parking inventory, projecting parking demand, and recommending parking strategies to meet future demand.

#### **American Airlines Arena Transportation Management Plan & Parking Study**

Mr. Plummer was responsible for providing a comprehensive traffic and parking management plan for the American Airlines Arena in downtown Miami, FL. This effort included developing temporary street modifications, police control plans, fire-rescue access, bus/taxi/limo staging plans, surface street signs, expressway directional signs, and parking plans. This multi-jurisdictional effort led to one of the fastest parking garage unloading times for a National Basketball Association arena.

#### **Downtown Miami Transportation Master Plan**

Mr. Plummer spearheaded the management and technical efforts of this complex transportation master plan for downtown Miami. This plan guides future transportation improvements, solves transportation problems, improves the efficiency of the transportation system, and helps to achieve the desired vision for Downtown Miami for the next 25 years.



**OTHER SIGNIFICANT PROJECTS:**

- Miami Beach Parking Garage (City Hall)
- Rocky Mountain National Park Traffic Operations and Safety Study
- Village of Merrick Park
- FDOT District 6 General Planning Consultant
- New World Symphony Parking Garage (Miami Beach)
- Village of Merrick Park
- City of Coral Springs Transportation Consultant
- West Kendall Baptist Hospital
- Downtown Doral Traffic and Civil Engineering
- FDOT District 7 General Planning Consultant
- Doral White Course Redevelopment
- Mayfair Parking Garage
- Babcock Ranch
- Town of Celebration, FL Parking Study
- Marlins Ballpark Parking Study
- Coral Gables Trolley
- Mercy Hospital Parking Study
- Boca Raton Circulator Feasibility Study
- City of Boca Raton Transportation Consultant
- MPO Congestion Management System
- Performing Arts Center Transportation Management Plan & Parking Study
- Doctors Hospital Parking Study
- Downtown Miami Circulator
- City of Miami Transportation Consultant
- FDOT District 6 Traffic Operations and Safety Studies
- FDOT District 6 Expert Witness
- City of Coral Gables Transportation Consultant
- Miami-Dade County Public Works Transportation Consultant
- Miami-Dade MPO Transportation Consultant
- FDOT District 4 General Planning Consultant
- FDOT Turnpike District SW 112 Avenue PD&E Study
- SR 826/NW 36 Street Interchange Final Design
- SR 836/NW 87 Avenue Interchange Modification Report (IMR)
- US 1 (SR 5) ADA Study
- Fort Lauderdale-Hollywood International Airport Terminal Loop Road Assessment
- Miami International Airport Trip Generation Study
- Miami-Dade County Integrated Transportation Management System (ITMS)
- Miami-Dade County Congestion Management System
- Brickell Key Traffic Calming Study
- Ponce de Leon Boulevard Median Improvements
- Coral Gables Concurrency Management System
- Coral Way / Segovia Street Roundabout
- Downtown Denver Light Rail Transit
- Coral Gables Traffic Calming Studies
- Fort Lauderdale Airport Traffic Operations
- SR 836 Toll Removal Study
- Miami Vice I-95 Detour Plan