

ROBERT W. FULP, P.E.  
TRANSPORTATION ENGINEER / PLANNER

EDUCATION: Memphis State University – 1984  
Bachelor of Science in Civil Engineering

REGISTRATION: Professional Engineer – Florida #44674  
Professional Engineer – Georgia #31528

RESPONSIBILITIES: Senior Project Manager  
Traffic Engineer, Roadway Engineer, Transportation Planner

PROFESSIONAL EXPERIENCE:

Mr. Fulp has over 30 years of professional experience as a diversified transportation engineer / planner, including over 20 years as a project manager. His expertise includes civil / site design, roadway and intersection design, traffic engineering (signals and signing / pavement marking designs), highway and intersection lighting design, maintenance of traffic design, intelligent transportation systems (ITS) planning and design, construction cost estimates, project specifications, traffic impact analyses, transportation concurrency analyses, roadway and intersection safety studies, traffic signal timing evaluations, access management analyses, traffic signal warrant analyses, traffic modeling, parking studies, Project Development & Environmental (PD&E) studies, Development of Regional Impact (DRI) studies, presentations to City Councils and Board of County Commissioners, and expert witnessing.

PROJECT SPECIFIC EXPERIENCE:

Traffic Signal Design

Designed over a hundred signalized intersections throughout the state of Florida using concrete or steel strain poles with span-wire or steel poles and mast arms. Some representative projects include:

- SR 676 (Causeway Boulevard) at US 41, Maydell Drive, 78<sup>th</sup> Street and US 301, in Hillsborough County, Florida
- Keene Road at Gulf-to-Bay Boulevard, Drew Street, Sunset Point Road, Curlew Road and Tampa Road, in Pinellas County, Florida

Traffic Engineering / Operational Analyses

Del Prado Boulevard. Lee County, FL – Prepared design plans for a 21- intersection signal system along Del Prado Boulevard in Cape Coral for Lee County Department of Transportation. Duties included traffic data collection and analysis, travel time and delay studies, inventory of existing signal equipment, arterial analysis, plans preparation, and field observation of signal timings.

Traffic Safety Studies for FDOT - District 6 – Prepared qualitative assessment reports documenting traffic safety concerns and recommendations for improvements to isolated intersections and corridors. The reports included statistical analysis of accident data, field reviews with regards to lane geometry, driveway access management, signal equipment inventories, local government coordination, cost estimates, and benefit to cost analysis. Some representative locations are:

- SR 932 (NW 103<sup>d</sup> Street) at East 4<sup>th</sup> Avenue in Hialeah, FL.
- SR 112 at Pine Tree Drive in Miami Beach, FL.

Miscellaneous Traffic Signal Warrant Analyses. Tampa Bay Area – Prepared numerous traffic signal warrant analyses in accordance with the Federal Highway Administration's "Manual on Uniform Traffic Control Devices". A representative study ~~includes~~

- ABR Center (U.S. 19 at Twin Lakes Drive) in Pinellas County- an office development for 550 employees

Roadway Lighting Design

Florida Department of Transportation - District 1, 4, 5 and 7 – Evaluated existing lighting conditions and prepared roadway lighting plans for conventional, decorative and high-mast lighting. Some representative projects include:

- FDOT District 1: SR 35 (Olympia Avenue) from U.S. 41 (southbound) to Cooper Street within the City of Punta Gorda.
- FDOT District 7: SR 574 (Dr. Martin Luther King, Jr. Boulevard) from east of 1-4 to Laura Street in

## Hillsborough County.

### Highway Engineering

School Safety, Circulation, and Access Program (SSCAP), Hillsborough County, FL – This design/build project involved ingress/egress improvements to 21 high, middle and elementary schools within the County. Construction plans and specifications were prepared and included adding auxiliary turn lanes and/or traffic signals to eliminate the queue of traffic along the County's thoroughfares. Environmental permits through SWFWMD were required for all schools. Construction administrative services were provided to the contractor and included request for information responses, shop drawing reviews and field inspections.

FDOT District-wide Resurfacing Projects, Tampa Bay Area – Prepared construction plans that include minor roadway and intersection improvements, review of pavement designs, minor drainage design, and maintenance of traffic, signalization and signing / pavement marking plans. Some representative projects include:

- SR 585 (22<sup>nd</sup> Street) in Hillsborough County - milling and resurfacing 2.9 miles of roadway between the Crosstown Expressway and Hillsborough Avenue.
- SR 600 (Hillsborough Avenue) in Hillsborough County - milling and resurfacing 3.5 miles of road between Nebraska Avenue and 56<sup>th</sup> Street.

### Maintenance of Traffic Designs

US 301 at 1-75, Manatee County, Florida – Developed maintenance of traffic plans associated with the re-construction of the bridge that was destroyed by an overturned tractor-trailer rig.

### Transportation Planning Projects

US 19 Access Management Study, Pasco County, FL – Prepared an access management study for FDOT District 7 that considered approximately 20 miles of roadway. A total of 98 full access median openings were analyzed based on geometric conditions, crash history, traffic volumes and operational problems. Also considered how changes to the median openings (i.e., full to closed or full to bi-directional) affected adjacent land uses and traffic flows. Recommendations were prepared and presented to the appropriate governmental agencies.

Miscellaneous Developments of Regional Impact's in the Tampa Bay Area – Prepared transportation analyses in accordance with Florida Statute 380.06, specifically Question 21 that deals with evaluating the regional traffic impacts that a large land development project would have on the community. A representative project is:

- Summerfield Crossings NOPC, Hillsborough County

Hearing Officer for Residential Traffic Calming Program, Hillsborough County, FL - Responsible for implementing Hillsborough County's RTC Program and conducting public hearings to determine if traffic calming measures should be installed.

### Corridor and Intersection Studies

Prior to preparing construction plans for a roadway improvement, some type of study is required to document the existing conditions within the project limits and to determine what improvements are required to achieve a specific level of service. Prepared numerous corridor studies and a representative sample is listed below:

- Causeway Boulevard (SR 676) from US 41 to US 31, Hillsborough County, Florida
- Chiquita Boulevard from El Dorado Boulevard to Pine Island Road (SR 78), Cape Coral, Florida

### Parking Studies

Army Corp of Engineers, Fort Rucker Base, Daleville, Alabama – Prepared a Design Feasibility Study for improvements to the main entrance and community center. Duties involved traffic data collection, parking lot surveys, parking duration / turnover rates, and the preliminary design of the main entrance to the base and the new parking concept for the community center.

### Traffic Impact Analyses

Prepared numerous rezoning and concurrency traffic impact analyses associated with a variety of land development projects throughout the state of Florida. Since each local government has established its' own analysis criterion as part of the land development process, no two traffic studies are the same. Furthermore, some governmental agencies are now requiring an estimated cost to mitigate the proposed improvements required in obtaining the adopted level

of service. The following is a representative sample of traffic impact analyses conducted:

- Summerfield Crossings Mixed-use Development located in the southeast quadrant of US 301 and Big Bend Road in Hillsborough County, Florida.
- Mobil Gasoline Service Station along US 41 in Bonita Springs, Florida.

PROFESSIONAL AFFILIATIONS:

Institute of Transportation Engineers (Fellow Member)  
American Society of Highway Engineers (Member)

PROFESSIONAL ENGAGEMENTS:

2013 – Present	Lincks & Associates, Inc., Tampa, Florida
2010 – 2013	SRD, Inc., Tampa, Florida
2008 – 2010	Bayside Engineering, Inc., Tampa, Florida
2007 – 2008	Volkert & Associates, Inc., Tampa, Florida
2002 – 2007	Vanus, Inc., Tampa, Florida
1997 – 2002	King Engineering Associates, Inc., Tampa, Florida
1992 – 1997	Greenhorne & O'Mara, Inc., Tampa, Florida
1991 – 1992	Brighton Engineering, Inc., Tampa, Florida
1990 – 1991	Lincks & Associates, Inc., Tampa, Florida
1985 – 1990	Harland Bartholomew & Associates, Inc., Memphis, Tennessee
1984 – 1985	Frank Palumbo & Associates, Inc., Memphis, Tennessee