



D. SCOT LEFTWICH, PhD, PE – President Leftwich Consulting Engineers, Inc. (LCE) & on STC’s Advisory Committee. Website: <http://www.lce-fl.com>

OVERVIEW:

D. Scot Leftwich, President and co-founder of Leftwich Consulting Engineers, Inc. has over 35 years of traffic and transportation engineering experience, including planning, design, and construction. This experience includes the publication of over 25 documents, presentation of workshops, research projects, and traffic, transportation and construction related courses at a local university.

Scot serves on the STC Advisory Board and provides valuable input on planning for the Sky Train to serve as a “feeder system” to High Speed Rail lines and the intermodal network. He also is an advisor and Transportation Planner for the Eco-City Destiny, Florida, several other Livable Communities, cities & FDOT districts.

EDUCATION and TRAINING:

Ph.D. Civil Engineering Transportation North Carolina State University, 1982

M.C.E. Transportation North Carolina State University, 1974

B.S.C.E. Engineering North Carolina State University, 1973

Professional Registrations:

P.E. NCEES No. 29025, P.E. Florida No. 32907, P.E. North Carolina No. 7924, P.E. Colorado No. 39206, P.E. Georgia No. 30744, P.E. Tennessee No. 00111000, P.E. Wisconsin No. 38499-006, P.E. South Carolina No. 25287, P.E. Connecticut No. 25619

RESEARCH AND PROFESSIONAL EXPERIENCE:

1986 – Present Leftwich Consulting Engineers, Inc President

1982 – 1994 University of Central Florida Associate Professor of Engineering

1974 – 1982 NC Department of Transportation Highway Planning Engineer

While working for the North Carolina Department of Transportation in Raleigh (1974 to 1982), he prepared thoroughfare plans for numerous urban areas. These plans consisted of detailed modeling of existing and future traffic, including alternative routes of proposed arterials, collectors, and expressways. Analysis also included implementation studies and financial analyses.

Areas of Expertise:

Multi-Modal Transportation Planning (HOV, Transit, Rail, etc...), Transit Planning, Transportation Systems Modeling (Validation), Comprehensive Planning Analysis, Developments of Regional Impact (DRI), Traffic Impact Analysis, Traffic Impact Fee Studies, Transportation Corridor Studies, Concurrency Analysis, Traffic Signal Design and Timing, Interchange Justification/Modification Reports (IJR/IMR), Expert Witness, ISTEPA, Hurricane Evacuation, Financial Analysis, Micro-Simulation (CORSIM, Paramics) Analysis, & Truck Modeling

Dr. Leftwich has been responsible for over 950 projects and attended over 2000 transportation related meetings since 1986. Validation/Calibration of macro, micro, truck, and transit transportation models is his expertise. He has calibrated over 30 macro models in Florida, North Carolina, and Alabama. Some of the models calibrated include District 1 and District 5, OUATS, Lake, Volusia, Monroe, and Flagler Counties, and the Cities of Winter Haven, Sanford, St. Cloud, and Daytona Beach as well as a six-county model in

West Florida. Recent efforts include a micro-simulation for model for the Miami Downtown Transportation Master Plan (MDTMP) using PARAMICS. This model was developed by Leftwich Consulting Engineers, Inc. under the direction of Dr. Leftwich and is the largest PARAMICS micro-simulation model in the world. Current projects include The Fountains DRI in Lee County, the Vavrus DRI in Palm Beach County, and a Long Range Transportation Plan for east Osceola County. Dr. Leftwich has worked on over 100 DRI's and is presently working on 20 plus DRI's in the State of Florida.

SYNERGISTIC ACTIVITIES:

Professional Memberships:

- American Society of Civil Engineers
- National Society of Professional Engineers
- Institute of Transportation Engineers
- American Society of Highway Engineers