



GEORGE TAYLOR - Modeling & Controls Expert

OVERVIEW:

George has experience in engineering for large scale rail modeling and construction. He has expertise in Railroad Modeling, Transportation Electronics, and electrical circuit design and programming. He has been involved in innovative energy research and circuitry design that led to STC's patent-pending system to power electric vehicles and port machinery. He has experience as an Engineering Consultant and in many different technical disciplines related to motors, power transfer, and system set up.

EDUCATION AND TRAINING:

University of South Florida, Fine Arts, Technical Theater, B.A., 1978.

Hillsborough Community College, Liberal Arts, A.A., 1975.

Erwin Vocational Technical Center, Computer Programming & Operation, 1984.

Hillsborough County Clerk's Office, EDUsystems, Certification in Network Transmission, Protocols and Systems Repair, 1985.

City of Tampa Traffic Signal Operations, IMSA (International Municipal Signal Association) Certifications (Work Zone Safety, Signals I & II, Signals Bench Technician II, Intermediate Methods of Traffic Management), on-the-job studies of railroad signaling practices and transportation interfaces, 1997 to current.

RESEARCH AND PROFESSIONAL EXPERIENCE:

Current: City of Tampa Traffic Engineering Dept., Traffic Engineering Technician III-System timings for signal coordination. Signal timings for individual intersections. Signal timings and operation of reversible elevated expressway. Design and implementation of efficient integration of complex vehicle movements through super-intersections.;

1997, City of Tampa Signal Maintenance, Signal Technician II-field/bench maintenance and repair of signaling electrical and electronic interface units.

PUBLICATIONS:

2003 to 2005 Editor-in-Chief of the publication The Signal Tower for the Large Central Railroad. As Editor-in-Chief, primary writer/contributor and publisher, He created a total of 36 volumes of published data, news, and technical articles.

SYNERGISTIC ACTIVITIES

Memberships and Affiliations:

International Municipal Signal Association (IMSA),

Florida Live Steamers,

Ridge Live Steamers,

Largo Central Railroad,

Manatee Central Railroad,

Buckingham Central Railroad,

Clam Lake Railway,

Moose Meadows Lumber Co Railway.

Responsibilities within above include: Building and maintaining track, infrastructure, locomotives, and rolling stock. His specialty is in electric locomotives.

Railfan online forums site-Teaching others to build locomotives and rolling stock.