

Stephen K. Bryan, P.E., PTOE

Transportation Engineering Professional History Summary

Steve is employed with Long Engineering, Inc. in Nashville and has over 28 years of progressive experience in planning, design, and project management, including nine years as Traffic Engineer for the City of Canton, Ohio. During his tenure at the City of Canton, Steve supervised, directed policy, and administered the Division of Traffic Engineering consisting of the Traffic Engineering, Traffic Signal, Traffic Sign and Paint, and Parking Meter Departments.

Steve became a Professional Engineer in 1990 and is currently registered in Tennessee, Kentucky, Florida, Ohio, and Mississippi. He is also certified as a Professional Traffic Operations Engineer (PTOE) and is registered with the National Council of Examiners for Engineering and Surveying (NCEES).

Steve graduated from the University of Tennessee at Knoxville in 1986 receiving a Bachelor of Science in Civil Engineering with his major emphasis being in transportation engineering, soils & materials, and construction. Steve is a member of the Tau Beta Pi Engineering Honor Society, the Chi Epsilon Civil Engineering Honor Society, and the Order of the Engineer. From 1985 to 1986, Steve was president of the Institute of Transportation Engineers (ITE) Student Chapter and in 1986, he received the University of Tennessee Civil Engineering Outstanding Student in Transportation Award that was presented by the ITE Student Chapter. In addition, Steve prepared the University of Tennessee ITE Student Chapter Activity Report that was chosen as the Outstanding Student Chapter Award by Southern District ITE in 1987.

Steve joined ITE during college as a student member in 1984, was elevated to member status upon graduation in 1986, and reached his current status as ITE Fellow in 1999. He has participated in numerous ITE meetings and conferences within International ITE, Southern District ITE (SDITE/District 5), Tennessee Section ITE (TSITE) including the local Chattanooga and Nashville Chapters, Florida Section ITE (FSITE/District 10) including the local Central Florida Chapter, and Ohio Section ITE including the local Lake Erie Chapter. Currently, Steve represents TSITE on the SDITE Technical Knowledge Committee and serves as chairman on two TSITE Committees: Technical and Membership.

Throughout his professional career, Steve has managed both small and large transportation projects from field inventories and data collection to major planning and design projects. The following are some examples of his broad-base professional experience:

- Transportation Projects
 - Traffic signal design projects
 - Intelligent transportation systems (ITS) design projects
 - Traffic signal phasing and timing optimization projects for intersections, arterials, and systems
 - Traffic signing and pavement marking projects, including overhead guide sign layouts
 - Work zone traffic control projects, including lane closure capacity analyses
 - Highway design projects, including horizontal and vertical geometric layouts, cross-section areas, sewer line grades, and pavement composition designs
 - Construction observation services, including performing field tests on concrete and soils
- Transportation Analyses and Studies
 - Traffic signal warrant analyses / Traffic signal removal analyses
 - Crash analyses for intersections, roadway spots, and corridor segments
 - Interchange justification studies (IJS) / Interchange modification studies (IMS)
 - Traffic impact studies (TIS) / Traffic access management studies
 - Intersection sight distance (ISD) analyses / Stopping sight distance (SSD) analyses
 - Spot speed studies / Travel time and delay studies
 - Field observation audits at intersections and along corridors
 - Road safety audit reviews (RSAR)
 - Transportation planning reports (TPR)
 - Pedestrian, bicycle, and parking studies
 - Origin-destination survey studies / License plate matching survey studies
 - Environmental assessment studies including noise, air quality, and hazardous material impact analyses
 - Specialized transportation studies such as highway lighting justification studies, rezoning analysis studies, and billboard sign valuation studies