



Phillip Kurth, P.E., PTOE

Vice President - Operations

Education

B.S. Civil Engineering,
Magna Cum Laude,
Florida State University
2006

Registrations

Professional Engineer:
FL 72434
AL 32065

Professional Traffic
Operations Engineer
(PTOE) No. 3209

Treasurer of the ITE
Emerald Coast Chapter

Years of Experience
10

Professional Certifications

- IMSA Traffic Signal Inspector
- IMSA Traffic Signal Level 3 Technician
- Advanced Maintenance of Traffic
- Synchro SimTraffic Modeling
- 2010 HCM / HCS Analysis
- FDOT Level of Service
- FDOT Intersection Design
- FDOT Design Exceptions & Variations
- FSUTMS Comprehensive Modeling

Phillip is a Senior Traffic Engineer bringing ten years of experience in both the public and private sectors. As a Consultant and as a Traffic Studies Specialist for the Florida Department of Transportation (FDOT), Phillip conducted hundreds of traffic studies utilizing the industry's latest standards, techniques and traffic model simulations. His traffic experience includes operational analysis, traffic concurrency, intersection design, capacity analysis, roundabout analysis, traffic signal warrants, crash data analysis, speed studies, access management, roadway and intersection field assessments, area-wide signal retiming projects, and multi-million dollar capital deployments.

Phillip has utilized the latest macro and micro-simulation software to model existing traffic patterns and conditions identify areas of concern, model roadway improvement scenarios and recommend viable improvements to State and local maintaining agencies. He has reviewed and approved a wide variety of traffic studies and engineering design plans of proposed roadway and intersection improvements which included: signalization, signal re-timing, auxiliary lane improvements, roadway signage, pavement markings, and pedestrian features. He was also the interdepartmental training coordinator for Synchro and SimTraffic software training for FDOT District Three.

Relevant Project Experience

D-3 Districtwide Traffic Operations (TOPS) Signal Retiming, Contract C-9K57 (2015-2020): FTE is providing FDOT with professional services for conducting needed traffic signal retiming studies for arterials and isolated intersections. Signal systems will be retimed for both weekday and weekend operation, with the number of timing patterns determined by the data collection effort and approved by FDOT. *Reference: Cliff L. Johnson, Jr., FDOT District 3 Traffic Operations Office, 850-330-1694.*

D-3 Districtwide Traffic Operational Studies, Contract C-9A18 (2013-2018): As manager of FTE's Chipley office, Phillip is providing the Department with professional services for conducting traffic operational/safety studies, performing professional engineering services to support the traffic regulation approval process, as well as to provide technical services of a miscellaneous nature involving traffic operations. As a direct extension of District Three Traffic Operations office, Phillip is also providing assistance to Departmental staff in reviewing various plan sets, traffic analyses, and their associated design/impact for compliance with FDOT standards, specifications, and other governing documents. Specific tasks include signal warrant studies, intersection / interchange analysis, arterial studies, signal re-timing recommendations, speed studies, permit review, PD&E study review, roundabout analysis and composite studies. *Reference: Mac Watters, P.E., D-3 Traffic Operations, 850-330-1276.*

D-3 Districtwide Traffic Operations Studies-Access Management, Contract C-9L03 (2015-2020): The purpose of this contract is to provide professional services for conducting traffic operational/safety studies, performing professional engineering services to support the traffic regulation approval process, as well as to provide technical services of a miscellaneous nature involving traffic operations. The subsequent analysis and conceptual recommendations produced will be used in the development of construction plans, incorporated into traffic operational/safety improvement projects to be included in FDOT's work program, or in the case of traffic signal timing plans, be implemented directly into the field by FTE. Additionally, assistance is to be provided to District Traffic Operations staff in reviewing various plan sets, traffic analyses, and their associated design/impact for compliance with FDOT standards, specifications, and other governing documents. *Reference: Mac Watters, P.E., D-3 Traffic Operations, 850-330-1276.*





Escambia County Signalization Continuing Services Consultant, Escambia and Santa Rosa Counties, Florida (2015-On-going): FTE is providing subconsultant services for DRMP. Phillip is the project manager providing enhanced traffic operations, traffic engineering, transportation planning and support of system of traffic signals. *Reference: Jim Hagon, P.E., DRMP, Inc., 850-469-9077.*

SR 30 (US 98) @ 17th Avenue PD&E Study in Escambia County, FDOT District 3 (2015-2017): FTE is providing the following services as a subconsultant: Traffic Data collection and assist in the setup of alternates in Synchro and Vissim, including initial setup, calibration, am/pm analysis. Work effort to include modifications to model alternates from input received from stakeholders. *Reference: Shawn R. Justice, P.E., Volkert, Inc., 850-588-1618, Ext 1402.*

ITS / ATMS General Consultant, FDOT District 3, C-9FOO (2014-2019): As a sub-consultant to HNTB, Phillip manages traffic signal data collection, traffic signal trouble shooting, and travel time delay studies in FDOT District 3. *Reference: Stephen Bahler, PE, HNTB PM, 813-498-5126.*

PD&E Study for SR 30 (US 98) over Santa Rosa Sound Bridge Replacement, FDOT District 3 (2015-2019): FTE provided Traffic Data collection and analysis. In addition, Phillip is performing the Traffic Operations Analysis for the nine (9) signalized intersections within the Project Area utilizing Synchro and Vissim for the existing conditions and three (3) alternatives. Work effort also included the Safety Analysis and Needs Statement for the US 98 Corridor. *Reference: Steve Schnell, AICP, HDR, 904-228-7715*

PD&E Study for CR 390 in Bay County, FDOT District 3, C-9L70 (2015-2017): FTE provided Traffic Data collection and analysis. In addition, Phillip is performing the QA/QC of the Traffic Operations Analysis for the six (6) signalized intersections within the Project Area. *Reference: Walter Nemecek, P.E., ARCADIS-US, 904-721-2991, ext 844.*

FDOT / Department of Defense, Hulbert Field, FL (2011): Developed system-wide traffic model, analyzed multiple Single Point Urban Interchange (SPUI) design options and proposed design options to FDOT/DOD management for implementation.

FDOT, Escambia and Santa Rosa Counties, FL (2011-2012): Supervised the review, implementation and QA/QC of a multi-jurisdictional urban signal retiming project of over 200 traffic signals in the Greater Pensacola Area. Developed criteria and minimum technical standards for consultant to comply with fundamental signal retiming principles. *Reference: Cliff Johnson, D-3 Traffic Operations, 850-330-1694.*