Ravi Devaguptapu, P.E., PTOE

President / Principal-In-Charge

As President and Principal In-charge, Ravi has over 22 years of experience with traffic data collection, traffic operations studies, traffic safety studies, project traffic reports, operational analyses, access management, and signal design. Ravi has performed quality assurance/quality control reviews on various design projects. He has been trained in Roadway Safety Audits and has successfully managed traffic data collection and traffic engineering contracts for FDOT, Counties, and other municipalities. He has managed over 12,000 automatic traffic counts, several hundred turning movement counts, involved with over 60 traffic monitoring sites, designed several traffic signals, and has been involved with safety audits of several roadways for preparation of scoping reports.

Ravi is a registered professional engineer and a registered professional traffic operations engineer. Ravi is registered as a P.E. in 13 other states, in addition to Florida. Furthermore, as a Principal of FTE, he has complete control of FTE's resources.

Education
M.S., Civil, Arizona State Univ 1994

B.S., Civil, JNTU India, 1991

Registrations
Professional Engineer:
FL 53150 **AL** 30803
AR 14201 **AZ** 59381
KS 22820 **GA** 034439
MD 47339 **MO** 000162
NC 036979 **TN** 113596
SC 27710 **TX** 112339
WV 21006 **RI** 11571
PTOE No. 1112
STMA Member #11910
STA Canada Mem #13-1055R

Years of Experience
22

Professional Certifications
- UCF Timing Traffic Signals
- Traffic Signals Wkshp IMSA
- VISSIM
- Synchro
- Tru-Traffic
- FDOT Basic Hwy Lighting and Electricity
- FDOT FSUTMS Adv Travel Demand Modeling
- FDOT FSUTMS Calibration
- OUATS Travel Demand Forecasting
- Hwy Capacity Analysis
- TRAFNetsim Wkshp
- Work Zone Control Safety
- MOT Level II
- Advanced MOT
- Roadway Design Wkshp
- Developing Engineer Institute
- HPMS and RCI
- QC Manager

Relevant Project Experience

D-3 Districtwide Traffic Operations Studies Consultant, FMN 220898-2-32-01, FL (2013-2018): Project Principal - FTE 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 providing technical services of a miscellaneous nature involving traffic operations. As a direct extension of District Three Traffic Operations office, FTE 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 analysis, arterial studies, speed studies, permit review, PD&E study review, roundabout analysis and composite studies. *Reference: Harold (Mac) Watters, PE, PLA, FDOT D-3 Traffic Operations Office, 850-330-1276.*

Charlotte County Professional Services Library, RLI 2010000335, FL (2010-Ongoing): Project Manager – FTE is providing Civil, Transportation Studies and Engineering services to Charlotte County. Task Work orders have included: Acline and Taylor Road multi-way stop evaluation, US 41 and Burnt Store Road signing and pavement marking, traffic signal design, railroad pre-emption, signal timing evaluation. *Reference: Gary Grossman, Charlotte County Public Works, 941-764-4116.*

Miscellaneous Traffic Engineering Services, CN-06-06, Lee County, FL (2006-Ongoing): Project Manager - The scope of this project was to provide specific professional services to the Department throughout Lee County. Assignments have included Traffic Volume Data Collection, One-way Tolling Test Program, Signal Warrant Analysis, Signal Design, Traffic Circulation Study, and Pedestrian Access Improvements. Specific assignments have included: 2007 and 2008 Traffic Volume Data Collection, One-way Tolling Test Program, Signal Design, Traffic Circulation Study, Del Prado and SE 22nd Lane/SE 12th Pedestrian Access Improvements. *Reference: Stephen M. Jansen, P.E., PTOE, Lee County DOT, Traffic Section, (239) 533-9500.*

Managed Lanes Feasibility Study on I-295 from Buckman Bridge to I-95 South Interchange, FDOT District 2 (2013): Project Manager. FTE provided the following data collection services at I-295 interchanges: 7-day volume ramp counts at 28 locations; mainline 7-day bi-directional volume counts at six locations; deploy blue tooth units for 7 days at 40 locations; 12 arterial counts; turning movement counts collected at four intersections. *Reference: Hugh W. Miller, Jr., PhD, PE, CDM Smith, 407-660-6440.*

Metro Parkway Widening Section 1, FDOT District 1, Lee County, FL (2011-2013): Lighting Designer - The project covered the roadway from South of Hanson Street to Martin Luther King, Jr. Blvd (SR 82) for a total length of 1.3 miles. The scope of this project covered the converting of two existing two-way facilities into one-way facilities. In addition, realignment of railroad tracks which run parallel with Evans Avenue. Utilities were also a major part of the scope of this project with regard to the drainage design, considering that reconstruction of this road utilized much of the existing right-of way. *Reference: Chris Molander, CardnoTBE, 727-431-1573.*

Districtwide Statistics Highway Data, FDOT District 7 (2014-2019): Project Manager. This support includes data collection, data entry, geographic information system (GIS) mapping, graphics preparation, SLD preparation utilizing MicroStation and FDOT's AutoDiagrammer software, and other tasks to support Roadway Characteristics Inventory (RCI), Straight Line Diagrams (SLD's), Basemap, and Highway Performance Monitoring System (HPMS) functions within District 7. *Reference: Jim Scott, P.E., FDOT Project Manager, (813) 975-6273.*

Districtwide Statistics Highway Data, FDOT District 7 (2012-2017): Project Manager. FTE assisted with Field Inventory - On-System, Off-System, Active/Exclusive, HPMS; Data Input - On-System, Off-System, Active/Exclusive, HPMS, Construction Acceptance; SLD Production - 5-Year Inventory, Construction Acceptance, New roadway; Basemap Reconciliation - New roadways, Existing/Realigned roadways, Incorrectly aligned roadways; QA/QC - Field Data, Data Input, completed SLD. District 7. *Reference: Jim Scott, P.E., FDOT Project Manager, (813) 975-6273.*

Districtwide Public Transportation Operations (PTO) Support, FDOT District 7 (2013-2014): Project Manager. FTE was a sub-consultant to HDR. Ravi was involved in collecting the traffic count data for the Hooker's Point Traffic Circulation Study - Port of Tampa. *Reference: Matthew G. Wey, PE, HDR Engineering, Inc., 813-282-2456.*

SR 9 (I-95) South of Donald Ross Road to South of Indian Town Road in Palm Beach County, Data Collection and Origin-Destination, FDOT District 4 (2008): Project Manager. FTE conducted an origin–destination survey using the moving vehicle license plate method described in the Institute of Transportation Engineers (ITE) "Manual of Traffic Engineering Studies" on Indiantown Road between the I-95 northbound off ramp and Island Way and on Donald Ross Road between the I-95 northbound off ramp and Heights Boulevard. *Reference: Jim Fleagle / Marty Workman, Greenhorne & O'Mara (561) 686-7707.*

Bonita Springs Traffic Circulation Study, City of Bonita Springs (2006-2008): Project Manager. As part of the City's Traffic Circulation Study, FTE's services included: Project Management, Traffic Data Collection (24-hour volume counts at 25 locations), Spot Speed Studies at 11 locations, Speed Limit Evaluation at 11 locations, Stop Sign Evaluation Studies at 19 locations, Sight Distance Studies at 10 locations, Existing Conditions Evaluation, Video Data Collection for 10 roadways, Collision Diagrams for 30 locations, Travel Demand Model (FSUTMS) Calibration, Travel Demand Model (FSUTMS) runs for 2 years and 8 alternatives, Travel Demand Model runs for Corridor Feasibility Studies (21 scenarios), Provide assistance with Senate Bill 360, Review of Traffic Impacts from Proposed Developments, Concurrency Issues, Functional Classification Recommendations, GIS Mapping, Intersection Improvement Evaluation, Interchange Evaluation, Roadway Classification, Public Involvement, Corridor Feasibility Studies for 5 corridors, Project Cost Estimates, Prioritization of Roadway Improvements, and Roadway Alignment. *Reference: Matt Feeney, Public Works Director, City of Bonita Springs (239) 949-6246.*

US-1/South Dixie Highway (Busway) Express Lanes PD&E Study, Miami Dade Expressway Authority (MDX) (2011–2014): QA/QC Manager. FTE's responsibilities included data collection (72-hour arterial counts at 362 locations, turning movement counts at 94 intersections, and 72-hour miscellaneous counts at 57 locations), Auto Occupancy Study (35,000 vehicles) and Origin Destination Study (9,500 surveys). In addition, FTE was responsible for safety analysis, access management, development of design traffic, development of travel demand model, evaluation of "No-Build" and three managed lanes alternatives for 3 analysis years using VISSIM Software, and signal timing optimization and operational analysis of the intersections using SYNCHRO Software. *Reference: Carlos Cejas, PE, Gannett Fleming (786) 845-9540.*

Tampa Hillsborough Expressway Authority (THCEA) Plaza Survey (2009-2010): Project Manager. FTE's responsibilities included obtaining necessary approvals, performing O&D survey at eleven (11) locations to deliver 10,000 hand-out post card survey forms and 16,000 mail-out survey forms, coordination, management and printing of the survey forms, obtain the SUNPASS customers' registered address of the transponder accounts, establishment of a P O Box, and data entry. *Reference: Jonathon Hart, CDM Smith (630) 874-7934.*