



# MICHAEL FURY, PE

## Engineer 1



### Education

M.C.E., Interdisciplinary  
Transportation, University of South  
Florida, 2017

B.S., Civil Engineering, Florida State  
University, 2014

### Registrations/Licenses

Professional Engineer,  
Florida, 86909, 03/08/2019

### Work Experience

Patel, Greene and Associates  
2019 - Present

Gannett Fleming  
2014 - 2019

### Contact

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Temple Terrace, FL 33637  
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\*Experience prior to joining PGA

Michael is a Project Traffic Engineer with Patel, Greene and Associates (PGA). He has more than nine years of experience specializing in traffic & ITS design. His design experience includes districtwide projects, limited-access roads, intersections, rural, and urban roadways. Michael has significant in-house experience with FDOT, providing in-house services under several contracts with District Seven. His specific responsibilities have included coordination between internal and external stakeholders, cost estimations, lighting, signalization, traffic data collection, access management studies, access permitting, site observation, and project management.

### Experience

**Traffic Impact Studies, Hillsborough County, FL, City of Plant City, Traffic Lead:** Michael has supported several traffic impact studies for the City to assess potential impacts on the transportation system caused by new development. These studies involved trip generation, trip distribution, trip assignment, intersection/segment level of service analysis, and mitigation elements, have included residential, industrial, and commercial developments.

**51st St W at Cortez Rd Intersection Evaluation, Manatee County, FL, Manatee County Public Works, Traffic Lead:** This project consisted of developing a conceptual plan for extending the existing left turn lanes and adding dual left turn lanes on 51st St in both the north and south bound onto Cortez Rd. A roadway geometry evaluation was required to determine impacts to signals, drainage, utilities, permitting, and right-of-way needs for four alignment alternatives.

**NE Corner of Anderson Snow Rd & Corporate Blvd Traffic Study, Hernando County, FL, Crosspoint Church, Traffic Lead:** This project involved completing a traffic study analysis and report for this new site development at the NE corner of Anderson Snow Rd and Corporate Blvd. Specific responsibilities included obtaining traffic counts to establish baseline traffic volumes, trip generation calculations, and a microsimulation model analysis using Synchro to predict the anticipated impact and queue lengths associated with the development.

**\*Districtwide Access Management, FDOT District Seven, Traffic/ITS Engineer:** Michael was the Traffic/ITS Engineer responsible for review of access permits on behalf of the Department's traffic operations division. This review encompasses examination of traffic impact analyses, roadway and signal plan review, and site plan review for compliance with Department standards. Additional duties included coordination with applicants and Departmental staff from maintenance, safety, design, project management, and planning as well as preparation of conceptual designs.

**\*Districtwide Access Management – Districtwide Access Classification Study, FDOT District Seven, Traffic/ITS Specialist:** Michael was the Traffic/ITS Specialist responsible for preparing an access classification study for multiple segments throughout District Seven. The study was performed to determine an appropriate access classification for segments that are currently without an access classification based on the procedures and guidelines provided in Section 335.188(3)(c) of the Florida Statutes and FDOT's Assignment of Access Management Classifications to the State Highway System Topic Number 425-030-155-e. This involved reviewing crash data to determine high crash locations and developing recommendations to fit the access classification standards while reducing crash probability.