

Thomas Hatcher, P.E., PTOE, PTP

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Jacksonville Beach, FL 32250

EDUCATION

Bachelor of Science in Civil Engineering – Cum Laude

August 2013–December 2017

Florida State University, Tallahassee, FL

GPA: 3.70

Florida PE Number: 93298

Georgia PE Number: 48472

WORK EXPERIENCE

Senior Transportation Engineer England-Thims & Miller, Inc., *Jacksonville, FL*

October 2023 -

Current

- Served as the engineer of record for transportation planning studies for master planned communities, including the East Nassau Community Planning Area Detailed Specific Area Plan #2 and the Tributary DRI, which involved multiple phases of development.

Transportation Engineer England-Thims & Miller, Inc., *Jacksonville, FL*

March 2021 – October

2023

- Performs traffic impact analyses for land development projects varying in size and complexity, ranging from carwashes to large master planned communities
- Performs traffic operational analyses using traffic data and traffic simulation software such as Synchro/SimTraffic and Highway Capacity Software
- Performs travel demand modeling tasks using the Northeast Regional Planning Model and Central Florida Regional Planning Model with the Cube Voyager software
- Estimates trip generation volumes for proposed development using the Institute of Transportation Engineer's Manual
- Determines off-site transportation improvements required to mitigate for traffic from proposed developments

Traffic Engineering Specialist Florida Department of Transportation, *Jacksonville, FL*

August 2019 – March 2021

- Reviewed traffic studies for developments proposing access to the State Highway System
- Performed traffic signal warrant studies, speed studies, right turn lane studies, crosswalk studies, left turn phasing studies, and various safety studies
- Conducted analyses through Signal 4 Analytics and Crash Analysis Reporting System, procuring crash reports for crash data and analyzing crash data for trends to make recommendations for design improvements
- Exercised traffic engineering best practice through the utilization of industry-accepted resources such as the MUTCD, FDOT Traffic Engineering Manual, ITE Trip Generation Manual, Florida Design Manual, and AASHTO Green Book
- Participated on technical review committees (TRC) for procurement of professional services contracts, such as the continuing services contract for the Regional Traffic Management Center
- Analyzed traffic engineering studies for sufficiency and technical accuracy
- Spoke with citizens, local government officials, and law enforcement about traffic issues, investigated their concerns and produced traffic engineering reports and associated documents (work orders, traffic regulations, recommendations/scopes)

Professional Engineer Trainee Florida Department of Transportation, *Lake City, FL*

July 2018 – August 2019

- Performed technical transportation engineering and transportation planning tasks in different phases of the PE Training program such as Traffic Operations, Bridge Maintenance, Roadway Maintenance, Construction, PD&E, Roadway Design, Traffic Design, Materials, and Structures

Staff Engineer, Environmental and Geotechnical Specialists, Inc, *Jacksonville, FL*

January 2018 – July 2018

- Prepared geotechnical investigation reports composing of construction and design considerations for public sector clients such as the Florida Department of Transportation and the Florida Highway Patrol
- Performed maintenance of traffic when performing field investigations within the Florida Department of Transportation Right of Way as required
- Performed engineering investigations for the design and construction of traffic signal mast arms and roadways

Engineer Intern, Environmental and Geotechnical Specialists, Inc, *Tallahassee, FL*

April 2016 – December 2017

- Performed a variety of geotechnical and environmental laboratory tests, field tests, and general office tasks
- Created construction documents, figures and maps for reports using AutoCAD, Microstation and Geographic Information Systems

Crash Analyst II/Reviewer, Florida Department of Transportation, *Tallahassee, FL*

May 2014– April 2016

- Analyzed crash reports provided to the FDOT by the crash reporting agencies
- Located crash reports in GIS maps
- Reviewed the work of other crash analysts

INVOLVEMENT

Institute of Transportation Engineers Social Media Chair

January 2022 – December 2022

- Actively participates in monthly meetings, staying up-to-date on latest industry standards
- Establishes connections with the most renowned transportation professionals in northeast Florida

Beaches Rotaract Sergeant at Arms

July 2021 – June 2022

- Participated in the Rotary Mentorship program for three consecutive years
- Recognized as the Rotaract member with the highest community service event attendance for two quarters in a row

Jacksonville Habitat for Humanity

Voluntary Construction Crew Leader

January 2019 – April 2019

- Led volunteer construction crews on Habitat for Humanity construction projects with anywhere from 7 to 28 people under supervision and direction

TECHNICAL SKILLS & CERTIFICATIONS

IMSA Level 2 – Traffic Signal Field Technician
Advanced Maintenance of Traffic
Synchro 11
Bentley
Microstation

Geographic Information Systems (GIS)
AutoCAD Civil 3D
AutoTurn
Construction Materials Testing