



Aravind Viswanathan, P.E.



**OM ENGINEERING
SERVICES, INC.**
Civil • Structural • Inspections

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EDUCATION

Master of Science,
Civil Engineering,
University of Florida, 2017

Bachelor of Engineering,
Civil Engineering, Anna
University, India, 2015

REGISTRATIONS

Professional Engineer,
#92245, Florida

COURSEWORK/TRAINING

FDOT Specifications Package
Preparation Training, 2021

SOFTWARE SKILLS

MicroStation, FB MultiPier,
Mathcad, AutoCAD/ Civil 3D,
REVIT, STAAD.Pro, ANSYS,
Visual Analysis, MATLAB,
DESCUS, Visual Lighting, MS
Office Suite

PROFESSIONAL AFFILIATIONS

American Society of Civil
Engineers

EXPERIENCE PROFILE

Mr. Aravind Viswanathan is a Civil/Structural Engineer with knowledge in the design and management of engineering projects. He is a Professional Engineer (P.E.) with 4+ years of experience and is responsible for designing and detailing new plans for several projects and reviewing shop drawings along with implementing various civil engineering techniques, procedures, and principles. Mr. Viswanathan has worked on the design and detailing of prestressed concrete bridges – substructure and superstructure components, temporary beam bracings, pedestrian bridges, retaining walls, temporary critical walls, mast arms and miscellaneous structures. Mr. Viswanathan has also assisted with the design and detailing of roadways, roadway lighting, estimating quantities for structural and lighting plans, and QA of other bridges and structures. Mr. Viswanathan started his professional career at RADISE International, LLC as a CTQP Pile Driving Inspector and Project Engineer for several bridge projects in South Florida. At RADISE, Mr. Viswanathan assisted with installing Embedded Data Collectors (EDC) in prestressed concrete piles and analyzing EDC data to calculate nominal bearing resistance (NBR) and skin friction of prestressed concrete piles.

SIMILAR PROJECT EXPERIENCE

OM ENGINEERING SERVICES, INC. (OME)

(2018-Current)

Kirkman Extension, Orlando, FL, Private Developer/ FDOT/ Orange County, Project Engineer OME designed the extension of Kirkman Road South, from Carrier Drive to Universal Boulevard at the existing intersection with Tradeshow Boulevard, approximately 1.7 miles for Universal Orlando in association with Orange County, FDOT, and local Utility Companies. Mr. Viswanathan was responsible for structural design of bridges, retaining walls, sign and signal structures and lighting. The project involved the design of over 230 light poles for lighting roadways, signalized intersections and pedestrian facilities. He also coordinated with utility companies to mitigate conflicts and obtain power service connections.

North Lake Regional Park Parking Improvements, Lake County, FL, Project Engineer OME designed a new asphalt parking area containing approximately 300 parking spaces including 12 handicap spaces. The project involved the design of new parking lot, driveway, sidewalks, signing & pavement markings, stormwater system, ponds, lighting system, and project management. Mr. Viswanathan was responsible for the design of lighting system and light pole foundations. The project involved the design of 29 light poles for lighting roadways, parking lot and pedestrian facilities. He also coordinated with SECO Energy for power supply and Federal Aviation Authority (FAA) to obtain determination of no hazard to air traffic certifications.

Lake Minneola Shores & Fosgate Rd, Lake County, FL, Project Engineer

OME developed plans for the addition of a right turn lane along Lake Minneola Shore Blvd. onto US 27 and two turn lanes along CR 455 and Fosgate Road at the intersection. Mr. Viswanathan was responsible for producing the plans and assisted with creating the roadway design, signing and pavement marking plans, traffic control plans.

SR-710 Extension, Lee County, District 1, FL, Junior Engineer

Mr. Viswanathan assisted with production of signing and pavement marking plans for modified SR-710 using FDOT/MUTCD standards.

Sand Lake Road (SR 482) Widening, Private Developer, Orlando, FL, Junior Engineer

OME developed plans for adding a right turn lane along newly proposed Sand Lake Road (SR 482) that would serve as an entrance for the client's property and also involved the addition of two driveways. Mr. Viswanathan assisted with the design of two strain pole signal assemblies at one of the intersections using the ATLAS program.