







# Dhruv Bansal, P.E.

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

## EDUCATION

Master of Science,  
Civil Engineering, Specialization  
in Structural Engineering,  
Michigan State University, 2016

Bachelor of Engineering,  
Civil Engineering,  
Osmania University,  
India, 2014

## REGISTRATIONS

Professional Engineer,  
#92007, Florida

## COURSEWORK/TRAINING

Project Management  
Professional (PMP)®  
November 1, 2021

FDOT Specifications Package  
Preparation Training, 2021

## SOFTWARE SKILLS

MicroStation Power GEOPAK,  
AutoCAD Civil 3D, SAP2000,  
MATLAB, STAAD.Pro, ANSYS,  
ABAQUS, On-Screen Takeoff,  
Timberline, MS Office Suite

## PROFESSIONAL AFFILIATIONS

American Society of Civil  
Engineers

Structural Engineering Institute

## EXPERIENCE PROFILE

Mr. Dhruv Bansal is a Civil/Structural Engineer with 5+ years of experience and possesses knowledge in the design and management of engineering projects. He is responsible for preparing structural calculations and drawings, reviewing shop drawings, and implementing various civil engineering techniques, procedures, and principles. Dhruv has designed and detailed prestressed concrete bridges, MSE walls, mast arms, and other miscellaneous structures. In addition to working on various structures, he has assisted with developing roadway plans, estimating quantities, preparing cost estimates, specification packages, and QA/QC.

## SIMILAR PROJECT EXPERIENCE

### OM ENGINEERING SERVICES, INC. (OME)

(2016-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. Bansal was responsible for drafting and designing several road alignments in the conceptual phase of the project and for the PDS, implementing standards from FDOT/AASHTO Green book and FDOT design standards. Coordinated with various utility agencies to develop the Utility adjustment plans for this project. Designed many components for the prestressed concrete bridges, such as the beams, end bents, columns, and column footers. In addition to bridges, he designed several miscellaneous structures such as MSE walls, mast arms, cantilever sign structures, and box culverts. For all the structures he worked on, he developed the construction plans using MicroStation Power GEOPAK. Alongside the project manager, he also coordinated with the client, sub-consultants, and other firms involved during all phases of this project.

**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. Bansal assisted with the design of parking lot, site grading plan, signing & pavement marking plans. He also assisted with estimating quantities required for engineer's cost estimates.

### **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. Bansal was responsible for internal coordination required for producing the plans and assisted with creating the roadway design, signing and pavement marking plans, traffic control plans and also carrying the efforts of Utility coordination.

### **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. Bansal assisted with developing plans for adding a right turn lane to an existing six-lane roadway. In addition, two existing 3-way intersections were also converted to 4-way intersections to serve the adjacent property owner. Developed a part of the roadway plans, utility adjustment plans, and MOT plans. Also designed two strain pole signal assemblies at one of the intersections using the ATLAS program.

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

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