

Sowmya Bangalore

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OBJECTIVE

To obtain a challenging full-time position in the field of Civil Transportation/Environmental Engineering that will utilize my experience, education and enthusiasm in a position of responsibility with the opportunity for advancement.

EDUCATION

M.E. Civil Engineering, **City College of New York**, CUNY, June 2009

B.E. Civil Engineering, **B.M.S College of Engineering**, India, July 2005

RELEVANT COURSEWORK

Analytical Techniques in Transportation, Transportation Asset Management, Urban Transportation Planning, and Analytical Techniques Methods in Civil Engineering, Transit Systems Planning and Operations, Air pollution and Control, Engineering Hydrology, Project Management, Engineering Management, Transportation Project Evaluation.

QUALIFICATIONS

Technical Skills: Design Software : AutoCAD, Adobe Suite (Illustrator, Photoshop)
Analytical Software : ArcView GIS, TransCAD, HCS2000, VISSIM
Software Applications : Microsoft Office (Word, Excel, Access, Powerpoint), Microsoft Project
Operating Systems : Windows XP, Vista, MAC OSX

WORK EXPERIENCE

Graduate Intern, Division of Traffic Planning/Operations, NYCDOT, New York, NY 06/2007-08/2009

Performed and assisted Project Managers in Traffic Operation Analysis for Coney Island Transportation Study, Jerome Avenue Transportation Study, Northern Brownsville Transportation Study and West Side Manhattan Transportation Study.

- Prepared and analyzed demographics, zoning and land use, traffic, parking, pedestrian, accident, good movement and transit for traffic studies.
- Performed intersection capacity analysis using Highway Capacity Software to evaluate operations of existing and future traffic conditions as well as develop improvement measures /recommendations.
- Conducted field visits for the purposes of traffic data collection including intersection geometry, manual turning movement counts, vehicle classifications, parking data and pedestrian counts.
- Assisted Project Managers in preparing technical memoranda and power point presentations for public meetings for various transportation studies.
- Collected and analyze accident data and recommend improvements to improve safety of vehicular and pedestrian traffic.
- Assisted Project Managers in conducting environmental reviews under the City Environmental Qualities Review (CEQR) process.
 - Conducted reviews for traffic and transportation sections of environmental documents, under CEQR process.

Graduate Assistant, Department of Architecture, City College of New York, New York 10/2006 – 06/2007

Provided assistance to instructors and architecture students in AutoCAD drafting, plotting and other computer-related works

Junior Trainee, Karnataka State Remote Sensing Application Center, Bangalore, India 01/2005 – 06/2005

Provided assistance to urban planner and engineers with research on transportation and environmental issues using remote sensing and ArcGIS.

Assistant Site Engineer, Bhagavathi Associates, Bangalore, India 01/2004 – 12/2004

Provided technical assistance to senior engineering and provided construction administration support for projects which included periodic visits to the construction site.

AFFILIATIONS

Member, American Society of Civil Engineers (ASCE)

Member, Institute of Transportation Engineers (ITE)