AMOL RANADE, PE
Tel - 1 864-633-7960
Email - amolranade1@gmail.com

30 FALLHARVEST AVENUE
BRAMPTON, ON L6Y 0P2

Objective:

Seeking a challenging career opportunity in Traffic / Transportation Engineering

Qualifications:

- 10 plus years of Professional Experience
- Traffic Engineering experience in Design, Analysis and Work Zone Safety
- Computer skills – Microstation, AutoCad, Visual, Synchro, HCS+ and MS Office
- Professional Engineer (PE), 2013

Education:

- **Master of Science in Civil Engineering (Transportation Engineering)** **May 2007**
  Clemson University, SC, USA

- **Bachelor of Engineering in Civil Engineering** **May 2004**
  University of Pune, India

Work Experience:

- **Senior Project Engineer** **September 2008 – September 2018**
  Rummel, Klepper & Kahl (RK&K) Engineers, Baltimore, Maryland, USA
  Traffic Engineering Design for roadway projects in Maryland, USA

  Responsibilities:
  - Design and development of Traffic Signal Plans, Intelligent Transportation Plans, Lighting Plans, Signing and Pavement Marking Plans
  - Estimation of Project Quantities
  - Traffic Engineering Research
  - Technical report writing

  Significant Projects:
  - Maryland SHA Areawide Dynamic Message Sign Installations
  - Baltimore Washington International Airport Area Signing
  - Ocean City Accessible Pedestrian Signal / Countdown Pedestrian Signal upgrades

  Maryland State Highway Administration (SHA), Hanover, Maryland, USA
  On-site consultant from RK&K Engineers at the Office of Traffic and Safety

  Responsibilities:
  - Project Management for Lighting, Signing, ITS and Signal Design Projects
  - Testing and evaluation of Traffic Control Products and Roadway Lighting products
  - Shop Drawing reviews
  - Development and review of SHA specifications, standards and guidelines
  - Member of SHA specifications, new product testing and pavement marking committees
  - Worked with SHA's Automated Speed Enforcement team
  - Member of SHA MASH (Roadside Safety Hardware) Implementation Team

  Significant Projects:
  - I-495 at I-95 and I-495 at US 50 Interchange Street Lighting
  - MD 214 at I-495 and MD 202 Interchange Signing
  - Area-wide Wrong-Way Improvement Projects
  - Maryland Transit Administration - Purple Line LRT Plan Review (Design build)
  - Maryland SHA LED Lighting Implementation

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- **Traffic Design Engineer** **June 2007 - August 2008**
  Patton Harris Rust & Associates, Williamsport, Maryland, USA
  Traffic impact analysis for residential, commercial and mixed land-use projects in Virginia and West Virginia.

  Responsibilities:
  - Applying ITE trip generation rates to estimate development generated trips
  - Forecasting the travel pattern and trip distribution in the study area network
  - Analyzing the impacts on capacity using Synchro and HCS+
  - Preparing project reports and drawings
  - Proposing improvements to signal timings and roadway configuration
  - Performing traffic signal, turn-lane warrant analysis

- **Graduate Research Assistant** **Jan 2006 - May 2007**
  Clemson University, SC, USA
  "Better Management of Speed Control in Work Zones" sponsored by the South Carolina Department of Transportation (SCDOT). Collected speed data using various work zone safety devices and strategies on roads in South Carolina, analyzed the data and contributed in the preparation of the final report

- **Design Engineer** **Nov 2004 - July 2005**
  Uhde India Ltd. (ThyssenKrupp Industrial Solutions), Mumbai, India

  Responsibilities:
  - Performed structural analysis and design of pipe racks
  - Estimated project quantities
  - Studied and checked engineering drawings

Computer Skills:

Microstation, AutoCad, SYNCHRO, Highway Capacity Software (HCS +), ArcGIS, SAS, Visual, AGI32, STAADPro, MS Office

Relevant Coursework:

Professional Applications in Traffic Engineering, Traffic Engineering, Roadway Geometric Design, Intelligent Transportation Systems (ITS), Urban Transportation Planning, Travel Demand Forecasting, Experimental Statistics, Infrastructure Management Systems and Geographic Information Systems (GIS)

Presentations:

Co-presented at the 2013 Maryland Quality Initiative (MDQI) Conference in Baltimore, MD, USA on the topic *Maryland SHA LED Lighting*

Reference:

Available upon request