



RICHARD ZHONG, EIT

CIVIL ENGINEER

SKILLS

- Transportation planning
- Travel demand modeling
- Simulation modeling
- Transportation analytics methods
- Traffic operations
- Traffic impact analysis
- Multi-modal corridor design
- Public transit operation and planning
- Transportation performance
- Transportation demand management
- Urban transportation systems

COMPUTER SOFTWARE

- AutoCAD
- MS Office Suite
- MS Project
- Outlook
- Bluebeam Revu
- Google Sketchup
- Emme
- Synchro and SimTraffic
- AutoTURN

CONTACT



15424 Poplar Drive,
Surrey, BC, Canada



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+1(778)-680-8218

EDUCATION

Bachelor of Applied Science - Civil Engineering
University of Toronto, 2013-2017

WORK EXPERIENCE

ISL Engineering and Land Services Ltd., Traffic Engineer

CONTRACT (SEPT 2017 - APRIL 2018)

- Member of the BC Traffic and Road Safety Team.
- Day to day activities including on-site inspections, technical report writing, proposal preparation, conceptual designs, cost estimation, and carrying out traffic operation and transportation planning analysis for projects across the Metro Vancouver.

Guizhou Hanhua Real Estate Ltd., Civil Site Engineer

CONTRACT (AUG 2018 - JAN 2019, MAY 2016 - SEPT 2016)

- Developed and directed scheduling for workers and tasks to ensure efficiency, achieve goals, and meet deadlines.
- Carried out quality inspections and wrote site reports.
- Communicated with PM and project engineers within the company relating to the project status.

PROJECT EXAMPLES

David Avenue Extension Study, Port Moody - City of Port Moody

- Conducted background research, including history, project area features and characteristics, land use, previous identified alignment, and potential environmental concerns.
- Examined all feasible alternatives and created a report summarizing my findings for submission to the City of Port Moody.

No.3 Road TIA, Richmond - Keltic (Brighthouse) Development Ltd.

- Performed traffic analysis using computer software.
- Prepared traffic-related figures, graphics, design drawings and created TIA reports to the City of Richmond for review/approval.
- Assessed internal circulation of passenger vehicle and truck turning movement.



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Empire Drive Traffic Study, Burnaby - City of Burnaby

- Conducted traffic analysis for intersections, warrant analysis for traffic control and crosswalks, and review of sightlines and approach grades.
- Developed cross-section options in compliance with the bylaws and design manuals.
- Attended progress meetings with clients and prepared meeting agenda, presentations, and technical memorandum.

PROFESSIONAL EXPERIENCE

Alderbridge Way Development Traffic Study, Richmond - ISL Engineering

Bridgeport Road Traffic Operation, Richmond - ISL Engineering

Park Road TIA, Richmond - ISL Engineering

Sumas Way Queuing Study, Abbotsford - ISL Engineering

Existing Highway 7 Development Project - Capstone Design, UofT

Streetcar Route Carlton 506 Demonstration Project - Public Transit Operation and Planning, UofT

Increasing Space Flexibility on School Bus - Civil Engineering Formal Report, UofT

Examinations of Ontario's HOV Lanes - Urban Transportation Systems, UofT

EXTRA PERKS

- Strong verbal and written communication skills in English, Mandarin, and Cantonese.
- The Best Steel Structural Project award winner at UofT.
- University of Toronto Survey Camp participant, skilled with using surveying equipment such as total station, level, prism, and tripod.
- Fluency in engineering graphical communication skills.