



RICHARD ZHONG, EIT

TRANSPORTATION ENGINEER

OBJECTIVE

Transportation 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

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☎ (778)-680-8218

EDUCATION

Project Management Certificate

Simon Fraser University, 2019

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)

- Performed on-site inspections, technical report writing, proposal preparation, conceptual designs, cost estimation, and carrying out traffic operation and transportation planning analysis for projects across Metro Vancouver
- Created travel demand models applying the four-staged modeling methods

Guizhou Hanhua Real Estate Ltd., Civil Site Engineer

INTERNSHIP (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 effectively with PM to ensure projects will be delivered on time and under budget

PROJECT EXAMPLES (ISL)

David Avenue Extension Study, Port Moody - City of Port Moody (2017)

- 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. (2018)

- Performed traffic analysis using Synchro and SimTraffic
- Prepared traffic-related figures, graphics, design drawings and created TIA reports
- Assessed internal circulation of passenger vehicle and truck turning movement



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Empire Drive Traffic Study, Burnaby - City of Burnaby (2018)

- 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

OTHER PROJECT EXAMPLES

Alderbridge Way Development Traffic Study, Richmond - ISL Engineering (2017)

Bridgeport Road Traffic Operation, Richmond - ISL Engineering (2017)

Park Road TIA, Richmond - ISL Engineering (2018)

Sumas Way Queuing Study, Abbotsford - ISL Engineering (2017)

Existing Highway 7 Development Project - Capstone Design, UofT (2017)

Streetcar Route Carlton 506 Demonstration Project - Public Transit Operation and Planning, UofT (2016)

Increasing Space Flexibility on School Bus - Civil Engineering Formal Report, UofT (2015)

Examinations of Ontario's HOV Lanes - Urban Transportation Systems, UofT (2015)

EXTRA PERKS

- Fluent in English, Mandarin, and Cantonese
- The Best Structural Steel 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