

CAREER OBJECTIVE

Transportation Design & Planning • Active Modes • Public Realm • Public Transit

Contribute to multi-disciplinary transportation design and planning teams leading sustainable city building and transportation initiatives, particularly related to walking and cycling, while engaging with and learning from the diverse stakeholders affected by these endeavors.

TRANSPORTATION DESIGN & PLANNING EXPERIENCE

2013 - Present

Senior Transportation Design Engineer: City of Vancouver

CoV

- Responsible for overseeing all transportation design work on complex corridor projects focused on improving walking and cycling.
Previously led several active transportation (AT) planning initiatives:
- Incorporated AT into the City's annual longitudinal trip diary survey
- Managed re-structuring and updating City's GIS open data bike network
- Setup and managed new City transportation online image library
- Managed bike parking initiatives, including first "Bicycle Mobility Centre"
Regularly presenting in conferences, webinars, and workshops, as well as guiding local tours for visiting professionals, e.g. NACTO Designing Cities 2017 (upcoming), NACTO Protected Intersections Roadshow (Boston), NACTO Designing Cities 2016, PWPBPP 2016, ITE QUAD 2015, Velocity 2012, TRB 2010.

Recent Project experience includes:

DESIGN LEAD FOR 10TH AVENUE CORRIDOR PROJECT

- Design Lead for contentious 7km \$10M+ corridor project installing pedestrian realm and bikeway improvements, including protected bike lanes in a regional hospital precinct.
Developed and analyzed design concepts, continue to oversee all public and stakeholder engagement activities and data analysis (video, parking, volumes), authored Council report, coordinating across numerous City departments, and sealing preliminary design as the Engineer of Record.
Authored RFP for health precinct wayfinding & messaging design package

ACCESSIBLE DESIGN LEAD

- Co-leading internal and external engagement effort to update the City's accessible design practices, particularly at protected intersections.
Leading development and analysis of interventions to improve pedestrian / cyclist interaction at key crossing locations.

BRANCH LEAD FOR CITY PROCESS CHANGES

- Played a key role formalizing all professional engineering processes and documentation practices across Engineering Services under the APEGBC OQM Framework (first BC municipality to achieve OQM compliance).
Heavily involved in recent Transportation department re-org, as well as creation of the City's new Project Management Office.

DESIGN LEAD FOR SW MARINE BIKE LANES

- Active transportation Design Lead for contentious bikeway component of 5.2 km repaving on SW Marine Dr - to date, half constructed
Oversaw the bikeway component of engagement

## DESIGN LEAD FOR GAMBIE BRIDGE AT IMPROVEMENTS

- Design Lead for retrofitting existing bridge with dedicated protected bike lane (currently people walking and biking share a busy sidewalk)
- Developing and analyzing design concepts
- Coordinating with structural engineering consultants

## DESIGN LEAD FOR AT DEVELOPMENT-RELATED PROJECTS

- Overseeing and sealing complex multi-phased protected bike lane designs for Great Northern Way developments (e.g. new Emily Carr). Some of designs now under construction.
- Led development-triggered designs (protected bike lanes and traffic diversion adjacent to an elementary school, protected bike lanes at MEC head office, raised crossing at a public school, etc)

2007 - 2013

**Transportation Planning Consultant:** IBI Group

### IBI GROUP

- Specialized in street design; pedestrian behaviour; access to transit; pedestrian, cycling, and public transit policy; and urban design research and practise.
- Employed diverse skills across all projects including project management, authoring reports, policy development, engineering design, GIS mapping, statistical analysis, survey design, desktop publishing, photography, and coding.

#### **Project experience included:**

- Hamilton Protected Bike Lane Design [Co-design lead]
- York Region BRT Corridor Protected Bike Lane Options [Designer and co-author]
- Metrolinx Mobility Hub Cycling Access Analysis [PM and lead author]
- Rio de Janeiro Corridor Designs (45km) and AT Master Plan [PM & design lead]
- TransLink GHG Emissions Model [PM and lead author]
- Several Walking and Cycling Masters Plans: *Rio de Janeiro, Halton Region, Region of Waterloo, Kitchener, Ajax, Cornwall, Peel Region, and Whitby* [Author, engagement coordinator, GIS]
- Capital Regional District (CRD) Regional Transportation Plan [Co-author]
- City of Toronto car share zoning by law study (presented at TRB) [Co-author]
- Metrolinx Regional Transportation Plan "The Big Move" [Policy and mapping]
- Transport Canada Active Transportation Strategy [Researcher and author]

2006 - 2007

**Researcher:** U of T, Current Issues Paper

### U OF T

- Applied qualitative research methods for my planning degree thesis, "The Experience of Walking to Public Transit in São Paulo, Brazil", which included interviews with planning practitioners and *in situ* interviews with pedestrians.

2007 (Summer)

**Research Assistant:** U of T, Centre for Urban and Community Studies

### U OF T

- Collaborated in a research team with Dr. Andre Sorensen by conducting interviews and literature reviews to compile dossiers detailing strategies, resources, and networks employed by Toronto's public space and cycling groups.

## TECHNICAL SKILLS

AUTOCAD	INDESIGN	ILLUSTRATOR	PHOTOSHOP	LIGHTROOM
ARCGIS	MS OFFICE	TABLEAU	SPSS	C++, PYTHON, JAVA

**POST SECONDARY EDUCATION**

<b>2007</b>	<b>M.Sc.PI.</b>	<b>Urban Planning – University of Toronto</b> (with exchange term at Universidade de São Paulo, Brazil) Cumulative Average: A
		Specializing in transportation: contemporary approaches to street design, cycling and pedestrian planning, urban design research and practice, environmental psychology, cycling and accessible pedestrian infrastructure design, and public transit.
<b>2000</b>	<b>B.Sc. (Hons)</b>	<b>Computer Engineering – Queen’s University</b> Cumulative Average: 84% (92 <sup>nd</sup> percentile)

**PUBLICATIONS**

- Engel-Yan & Passmore (2013) Carsharing and Car Ownership at the Building Scale: Examining the Potential for Flexible Parking Requirements. Journal of the American Planning Association [JAPA].
- Engel-Yan & Passmore (2010) Assessing Alternative Approaches to Setting Parking Requirements. ITE Journal.
- Engel-Yan & Passmore (2010) Carsharing and Reduced Vehicle Ownership: Making the Connection in Residential Parking Requirements. TRB 89<sup>th</sup> Meeting.
- Roorda & Passmore (2008) Including Minor Modes of Transport in a Tour-Based Mode Choice Model with Household Interactions. TRB 87<sup>th</sup> Annual Meeting.

**MEMBERSHIP**

- APEGBC, licensed Professional Engineer
- Association of Pedestrian and Bicycle Professionals, former member
- City of Toronto Pedestrian Committee, former member
- Toronto Coalition for Active Transportation, former steering committee member

**ACADEMIC DISTINCTIONS AND HONOURS**

<b>U OF T</b>	■ Co-authored TRB paper (see above) ■ Canadian Transportation Research Forum Scholarship ■ 3 University of Toronto Fellowships
<b>QUEEN’S</b>	■ Nortel Upper Year Engineering Award, 3 Dean’s Awards, NSERC Award – Industrial undergraduate student research award

**GENERAL INTERESTS**

<b>ACTIVITY</b>	■ 17 years of living car-free, thus regularly commuting by foot, bike, and transit ■ Brazilian percussion and dance, tennis, frisbee, disc golf, and foosball
<b>TRAVEL</b>	■ 3+ years spent in Brazil and travel to Cuba, Central America, and Western Europe ■ Volunteered for 6 months in San José, Costa Rica
<b>LANGUAGE</b>	■ Portuguese, Spanish, and French (in order of decreasing fluency)

**REFERENCES AND WRITING SAMPLES AVAILABLE UPON REQUEST**