

CAREER OBJECTIVE

Engineering • Planning • Active Transportation • Urban Design • Public Transit

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

TRANSPORTATION PLANNING EXPERIENCE

2007 - Present

Transportation Planning Consultant: IBI Group

IBI GROUP

- Specializing in sustainable transportation and its relationship to urban form, which includes pedestrian behaviour; access to transit; pedestrian, cycling, and public transit policy; street design; and urban design research and practise.
Employing 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.

Recent project experience includes:

METROLINX MOBILITY HUB CYCLING ANALYSIS

The project manager for an update to Metrolinx' analysis of cycling access to mobility hubs within the Greater Toronto and Hamilton Area (GTHA). The work involved coordinating with all GTHA local and regional municipalities, reviewing and updating base data, and revising the quantitative and qualitative analysis of cycling conditions for all mobility hubs.

RIO DE JANEIRO WALKING AND CYCLING MASTER PLAN

Managed the consulting team that spanned 3 firms and 5 countries. Principal author of the Non-Motorized Transportation Master Plan (PDTNM) for the state of Rio de Janeiro. Managed and led preliminary design work for 5 bikeway corridor pilot projects (45km), which included pedestrian realm improvements and complimentary demand, environmental, and urban design studies. Led seminars with politicians and senior staff, as well as client training on a monitoring framework to regularly assess the annual impacts of these pilots.

TRANSLINK GHG EMISSIONS MODEL

Managed the development of an urban transportation VKT, PKT, and GHG emissions estimation tool for TransLink. The study involved developing a statistical model comprised of auto VKT, transit PKT, and auto ownership sub-models, estimated from local GIS, trip diary, fuel efficiency, and vehicle fleet data. The model was ultimately packaged as a simple tool to enable policy makers to better test the travel and GHG impacts of different neighbourhood designs, while controlling for socioeconomic and locational factors.

CYCLE TRACK OPTIONS FOR VIVANEXT BRT CORRIDORS

Developed design options and final recommendations for a cycle track along York Region's vivaNext H2, Y2 and Y3 BRT corridors. My work involved leading the development of sections and intersection typicals for segregated alternatives to buffered bike lanes, which requires carefully balancing cyclist safety and comfort, implementation feasibility, ease of maintenance, directness, interaction with transit stops, pedestrian accessibility, constructibility, as well as intersection design implications.

DYLAN J. PASSMORE

CITY OF REGINA TMP

Managed the Pedestrian Plan and Cycling Plan sub-components of the City's overall TMP project. Given they were developed within a broader TMP, both allow opportunities to both push the envelope on TMP recommendations and also take a fresh approach to AT planning. Both plans are highly focused, identifying a concise set of implementable recommendations that offer significant potential to kick-start lasting change.

VARIOUS WALKING AND CYCLING MASTER PLANS

Intimately involved in all aspects of several pedestrian and cycling masters plans, such as coordinating consultation events; researching appropriate policies and programs; and developing network options, winter maintenance strategies, performance monitoring, and implementation plans. [e.g. *Rio de Janeiro, Halton Region, Region of Waterloo, Kitchener, Ajax, Cornwall, Peel Region and Whitby*] Also developed cycling and walking GIS demand estimation methods (scripted) which has been applied to Waterloo and Halton.

RTP FOR THE CAPITAL REGIONAL DISTRICT

Co-leading the development of the Capital Regional District's (CRD's) regional transportation policy, including a regional multi-modal network and defining regional mobility hubs, as well as related TDM, transit, and active transportation policy. Also managing all of the project's GIS work.

HAMILTON LRT ECONOMIC POTENTIAL

Led the coordination of an eight-member team and authored significant portions of a holistic multiple accounts evaluation of economic potential for rapid transit in the City of Hamilton. The study articulates both qualitative and quantitative impacts, from personal travel costs to equitable access.

VAUGHAN PARKING STANDARDS

Co-authored an overhaul of the parking requirements component of the City's zoning by-law, which included recommendations for parking maximums, bicycle parking, shared parking, and mixed-use typologies. Also authored the parking design guidelines component of the study.

TRANSPORT CANADA AT STRATEGY

Lead author a research paper on active transportation for Transport Canada to detail a range of possible areas of involvement by the federal government and thus form the foundation upon which a Canadian Active Transportation Strategic Plan will be developed.

TAC ACTIVE TRANSPORTATION SUCCESSES

Interviewed expert practitioners, analysed literature, and led web-based focus groups for a Canada-wide synthesis of active transportation initiatives to assist local governments in identifying and unravelling the critical factors, needs, and challenges to successful implementation.

METROLINX RTP, "THE BIG MOVE"

Involved in numerous aspects of the ambitious Metrolinx Regional Transportation Plan. Led the design of the conceptual maps and authored a significant portion of the Active Transportation Green Paper #3.

CAR SHARE TDM RESEARCH

Co-authored a study for the City of Toronto that examines car sharing as a parking demand management tool by recommending zoning by-law mechanisms to reduce minimum parking requirements based on providing car share spaces. We both presented the study at the 89th Annual TRB Meeting.

MINING HAUL ROAD SAFETY AUDIT, TANZANIA

Part of a 3-member team sent to rural Tanzania to assess the existing state of haul road operations and safety at a Canadian mining operation. With many villages surrounding the site, the haul road deals with significant levels of crossing traffic of all sorts and it offers a convenient link for local traffic. My work included conducting site investigations, interviews with mining staff, assessing existing traffic operations, and co-authoring the final report, which focused on pragmatic traffic controls and management measures.

HAMILTON MAINSTREET URBANIZATION

Conducted extensive research and led coordination with the urban design team as part of the City of Hamilton's Downtown Transportation Master Plan to explore transit mall, pedestrian mall, and shared space design options to span four blocks of the City's main commercial strip.

2005 - 2007

Research Assistant: U of T, Joint Program in Transportation

U OF T

- Under Dr. Eric Miller, managed a software re-design to an agent-based simulation model (ILUTE), focusing on the tour-based mode choice and activity scheduling sub-models by bringing them closer to mainstream application.

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.
- Proposed key recommendations by building off pedestrian preferences and mitigating the stresses identified through this research.

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.

COMPUTER ENGINEERING EXPERIENCE

2003 - 2004 (6 months)

Information Technology Officer: PAHO, Costa Rica

PAHO

- Volunteered as a government-sponsored intern through the Canadian Society for International Health to plan and develop the local website and secure intranet.

2002 - 2003

Research Assistant: UBC HCT Lab, Vancouver

UBC

- Developed a hardware prototype and its 3D driving simulator for a three-way collaboration between the University of British Columbia's Human Communication Technologies lab, the Psychology Department, and an industry partner.

2000 - 2002

Research Engineer: IVL Technologies Inc., Victoria BC

IVL

- Documented, designed, and implemented a high performance C library and C++ framework used as the central code base for all core signal processing algorithms.

TECHNICAL SKILLS

AUTOCAD

INDESIGN

ILLUSTRATOR

PHOTOSHOP

LIGHTROOM

ARCGIS

MS OFFICE

TABLEAU

SPSS

C++, PYTHON, JAVA

POST SECONDARY EDUCATION

2007

M.Sc.PI.

Urban Planning – University of Toronto

(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.

2000

B.Sc. (Hons)

Computer Engineering – Queen's University

Cumulative Average: 84% (92nd percentile)

PUBLICATIONS

- 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 89th Meeting.
- Roorda & Passmore (2008) Including Minor Modes of Transport in a Tour-Based Mode Choice Model with Household Interactions. TRB 87th Annual Meeting.

MEMBERSHIP

- Professional Engineers Ontario (PEO), licensed Professional Engineer
- Association of Pedestrian and Bicycle Professionals, individual member
- City of Toronto Pedestrian Committee, former member
- Toronto Coalition for Active Transportation, former steering committee member

ACADEMIC DISTINCTIONS AND HONOURS

U OF T

- Co-authored TRB paper (see above)
- Canadian Transportation Research Forum Scholarship
- 3 University of Toronto Fellowships

QUEEN'S

- Nortel Upper Year Engineering Award
- 3 Dean's Awards for high cumulative academic standing
- NSERC Award – Industrial undergraduate student research award

GENERAL INTERESTS

ACTIVITY

- 12 years of living car-free, thus regularly commuting by foot, bike, and transit
- Brazilian percussion and dance, cycling, tennis, ultimate frisbee, squash, frisbee golf, and foosball

TRAVEL

- 2 years spent in Brazil and travel to Cuba, Central America, and Western Europe
- Worked for a term in San José, Costa Rica

LANGUAGE

- Portuguese, Spanish, and French (in order of decreasing fluency)

WEB

- Designing and maintaining a site with commentary and photos describing aspects of the urban landscape in cities that I visit [www.dylanpassmore.com]

REFERENCES AND WRITING SAMPLES AVAILABLE UPON REQUEST