

BOER CUI

#707, 630 Rue William
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[LinkedIn](#)

EDUCATION	McGill University Master of Engineering (thesis option) – Transportation Planning CGPA: 4.00/4.00	Jan 18 – Feb 20
	University of Toronto Bachelor of Applied Science – Civil Engineering CGPA: 3.52/4.00 <i>Graduated with Honors</i>	Sep 12 – Jun 17
SKILLS	<ul style="list-style-type: none">• Geospatial analysis using ESRI ArcGIS and QGIS• Data manipulation and analytics using R• Microsoft Office (Word, Excel, PowerPoint, Visio)• Basic understanding of Rhino• Web Development• Project management• Project and program evaluation• Policy analysis• Memorandum and report writing• Gender-based Analysis Plus	
EMPLOYMENT EXPERIENCE	Housing, Infrastructure and Communities Canada (HICC), formerly Infrastructure Canada (INFC) Research and Innovation team - Economic Analysis and Results Directorate <i>Analyst</i> Oct 23 – Present <ul style="list-style-type: none">• Lead the development of in-house research expertise and capacity through completion of targeted transportation-related internal research activities/products, such as development of an evaluation framework for transit-oriented developments in Canada• Support the development, setting and monitoring of research funding agreements to implement the research workplan, and support the tracking and information management/storage of projects financial data, for projects such as:<ul style="list-style-type: none">○ Safety Testing of Heavy Duty Zero Emission Vehicles with Transport Canada and Natural Resources Canada (Jul 24 – Present)○ Research and advisory support on transportation data collection and avoided emissions reporting with University of Toronto (May 24 – Present)○ Aggregate Mobile Device Data (A-MDD) for infrastructure development and performance evaluation with Statistics Canada (Oct 23 – Present)○ Research on charging infrastructure for electric buses with NRCan (Oct 23 – Present)○ Research on Walking and Biking Classification with Simon Fraser University (Dec 23 – Mar 24)• Lead the development of the Research Dissemination Strategy which outlines a series of recommendations for the team to undertake in the next year to more effectively disseminate research within the department, with other federal departments and external parties• Provide input on program-level initiatives such as the National Household Travel Survey and the Canadian Permanent Transit Fund• Identify collaboration opportunities between internal and external stakeholders• Represent the department in advisory capacities for projects where HICC is a project partner• Participate in the engagement of external researchers and experts on a regular basis	

CPCS Transcom Ltd.

Feb 20 – Jul 23

Infrastructure Analytics Unit

Consultant/Senior Consultant

- Provided research and strategic advisory services to a number of transportation and infrastructure projects in advanced and emerging markets.
- Managed multiple projects from proposal to project close-out, including budget tracking, client relations management, analysis, reporting and contract management
- Led and supported business development activities such as participation in bid decision meetings, preparation of project proposals, and strategic resource reviews
- Provided guidance to junior staff members on consulting best practices and project-specific analytical support

Notable projects that Boer has worked on include:

International Benchmarking Project, ARTM (Jan 23 – Jul 23)

CPCS supported ARTM to carry out an international benchmarking project to identify the operational trends and best practices of transit operators around the world. The project involved the collection of quantitative operations and financial data as well as qualitative data from 27 transit operators in eight jurisdictions around the world. The team also conducted a series of interviews with representatives from these operators, carried out data analysis and comparison between operators. On this project, Boer:

- Served as Lead Analyst to manage the workflow of the benchmarking exercise, led the review and compilation of financial statements and operational statistics from transit operators, provide guidance to junior analysts on research methods and analytical approaches and outline the structure of the final report

Eglinton Crosstown West Extension Financial Modelling Support, Arup (May 22)

CPCS was subcontracted by Arup to carry out financial modelling of the Eglinton Crosstown Extension project under various operational scenarios. Boer assisted the Lead Modeler to gather inputs, generate model outputs and carry out quality assurance.

Metrolinx Capital Projects Group Data and Reporting Diagnostics, Metrolinx (Jun 23)

CPCS was tasked to help Metrolinx enhance project and program reporting across its portfolio of projects. CPCS identified gaps in technology, processes, people and governance structures related to the reporting of project and program status, and developed recommendations for a comprehensive data and reporting strategy. On this project, Boer carried out a thorough review of the existing process and reporting products in place within the team.

Transit Gender-based Analysis Plus Sourcebook, Infrastructure Canada (Oct 22 – Mar 23)

CPCS supported Infrastructure Canada to develop a sourcebook for the purpose of strengthening the department's capacity to develop high-quality Gender-Based Analysis Plus (GBA Plus). In addition, examples of GBA Plus analysis for a transit project and rolling stock purchase were provided using the information collected for the sourcebook to help guide Infrastructure Canada analysts in carrying out evidence based GBA Plus analyses. On this project, Boer:

- Served as Project Manager to manage the delivery of project deliverables, coordinate with the client and internal team members and provide bi-weekly project updates
- Led the research of policies from organizations
- Supported stakeholder engagement through the development of an interview questionnaire and participation in interviews with representatives from organizations

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Driving Down Emissions, Metro Vancouver & TransLink, (Oct 22 – Jul 23)

The purpose of this project was to develop a recommended policy bundle that will dramatically reduce GHG emissions from light duty vehicles in Metro Vancouver. Project objectives include identification of potential policies and policy bundles; testing the impact on GHGs of various shortlisted policies and policy bundles; undertake technical analysis to inform public engagement activities; evaluating impacts to equity, affordability, fairness across the region; and identifying a preferred policy bundle. On this project, Boer :

- Served as the Policy Analyst and Equity Lead to develop a project-specific equity evaluation framework to assess policy and policy bundle impacts on equity, affordability and fairness in the region
- Supported advancement of other project components including development of the evaluation framework, jurisdictional review and detailed policy design
- Produced deliverables for the client including memos, slide decks and lead workshops with project stakeholders
- Assisted with project management tasks including leading weekly client meetings and coordinating between client, project team members and subcontractors

System Integration Sponsorship Support – GO Expansion Program, Metrolinx (Nov 21 – Jul 23)

CPCS was engaged by Metrolinx to support the implementation and ongoing management of a System Integration Capability within the GO Expansion Program. On this project, Boer:

- Supported the development of a system control board that would enable Sponsors to track all GO capital projects being planned such that they are delivered on-time and on-budget

Toronto Hydro

May 15 – Aug 16

Standards & Policy Planning/Customer Offers & Sustainment

Senior Technical Student

- Managed more than 30 externally initiated relocation projects including multimillion-dollar relocation projects with large public agencies in the Greater Toronto Area
- Produced meeting minutes, technical reports, and visual presentations to external clients as part of the relocation conflict identification stage
- Conducted engineering analyses and applied standard techniques/procedures to develop cost estimates and preliminary plans for relocating Toronto Hydro assets using proprietary cost estimation and GIS tools
- Facilitated the development of a Program Capital Expenditure spreadsheet with the goal of maintaining accurate Financial Records

REFEREED PUBLICATIONS

Cui, B., DeWeese, J., Wu, H., King, D., Levinson, D., El-Geneidy, A., (2022). All ridership is local: Accessibility, competition, and stop-level determinants of daily bus boardings in Portland, Oregon. *Journal of Transport Geography*, 99, 103294. [Link to paper](#)

Cui, B., Boisjoly, G., Miranda-Moreno, L., & El-Geneidy, A. (2020). Accessibility matters: Exploring the determinants of public transport mode share across income groups in Canadian cities. *Transportation Research Part D: Transport and Environment*, 80, 102276. [Link to paper](#)

LANGUAGES

English (native or bilingual proficiency)

French (professional working proficiency)