UBC Sustainability Scholars Program

The UBC Sustainability Initiative (USI) is pleased to offer current UBC graduate students the opportunity to work on paid sustainability internship projects. Successful candidates work under the guidance of a mentor from one of our partner organizations, and are immersed in real world learning where they can apply their research skills and contribute to advancing organizational sustainability goals.

For more information about the Sustainability Scholars Program and to apply to work on this project, please visit the Student Opportunities page.

Don't forget to review the application guide (PDF) before applying.

Applications close **midnight Sunday September 22, 2019**.

Research project title

Developing a Bike Parking Operational Framework for Transit Facilities

Sustainability Goal or Operations Plan objective

Transportation mode shift: more active transportation
Enhanced and equitable access to public transit
Eliminate dependence on fossil fuels

Outline scope of project and why it is of value to your organization. Describe how and when the Scholar's work will be actionable.

- Develop a Bike Parking Operational Framework, which would identify the different types or "packages" of bike parking facilities and amenities needed given the different types of transit facilities across the region.
- Bike parking facilities and amenities should vary in security, complexity, and would be recommended based on varying factors, including, but not limited to transit facility type (e.g. bus exchanges, rail stations), access to adjacent bike infrastructure, adjacent bicycle mode share, local topography and physical context, and distance to adjacent higher-order bike parking facilities.
- The Framework should also account for future growth and demand, and optimization of existing and future resources and investments.
- The Framework will be achieved in part by:
    - Researching existing local and global precedents in bike parking facilities;
    - Researching emerging trends in active transportation, new mobility, shared transport, and other non-vehicular forms of transportation;
    - Reviewing existing bike parking inventory and usage; and
    - Engaging with TransLink's internal stakeholders and operating groups, including BCRTC, CMBC, Transportation Demand Management, and other groups and departments.
- The Bike Parking Operational Framework will guide strategic and informed investments in higher-order bike parking at transit facilities on an ongoing basis across the region as facility upgrades occur, and as TransLink's Bike Program continues to grow.

Deliverables

Note that a final deliverable (either a full report or, if the report contains confidential information, an executive summary) is required by the end of the program (March 15, 2020). The deliverable will be archived in the online public-facing Scholars Project Library.

- A summary report of local and global precedents of bike parking facilities and amenities relating to transit facilities (report format TBD).
- At least one 50% draft report (the Framework) to confirm research progress, complemented by a presentation to key stakeholders.
- A final report (the Framework), containing key recommendations and suggested bike parking "packages" per transit facility type, complemented by a final presentation to key stakeholders.

Time Commitment

- This project will take **250** hours to complete.
- This project must be completed between October 21, 2019 and March 15, 2020
- The Scholar is to complete hours between 10am and 6pm, Monday to Friday, approximately 12 hours per week.
- Most of the work can be done remotely, however the Scholar must be available to attend meetings at the TransLink offices during standard business hours. Meetings will be coordinated to accommodate the Scholars academic schedule.

Required/preferred Skills and Background

☒ Excellent research and writing skills
☒ Demonstrated interest in sustainability
☒ Strong analytical skills
☒ Ability to work independently
☒ Deadline oriented
☒ Project management and organizational skills
☒ Demonstrated experience and/or interest in active transportation planning, design, and/or engineering
☒ Demonstrated understanding of the critical and contemporary regional transportation challenges faced by TransLink and its member municipalities

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Apply here:
http://sustain.ubc.ca/scholarsopportunities

To learn more about the program here:
https://sustain.ubc.ca/ubc-sustainability-scholars-program

Read the FAQ and application guidelines to confirm your eligibility to participate in the program here:
http://sustain.ubc.ca/scholarsopportunities

Contact Karen Taylor at sustainability.scholars@ubc.ca if you have questions.