

## GREENEST CITY SCHOLARS PROGRAM - 2014 PROJECT

### Project title

Supporting a Bike Mobility Centre Implementation Strategy for the City of Vancouver, including a potential Pilot Program using Easy Park Assets

### Greenest City goal(s) supported

Green Transportation

Long Term Goal: Make walking, cycling, and public transit preferred transportation options

### Project context, scope, and value to City

Scope of Work:

- The scholar will review provided background information including consultant reports, TransLink studies, and HUB business bike assessment reports. The scholar will research updated best practices and recommendations on the development, design, and implementation of bike mobility centres.
- The scholar will summarize ideal location, design, and business operation parameters for bike mobility centres in Vancouver based on background and updated research information.
- The scholar will investigate and summarize a priority list of recommended locations based on the City's existing and long-term bike network plan, 5-year "all-ages-and-abilities" (AAA) focus, public bike share locations, major transit hubs, major commercial centres, and other land use factors. The scholar will also investigate an implementation strategy for the recommended locations including potential roles and responsibilities for the City, other transportation partners, private developers, and local businesses.
- The scholar will explore the potential use of EasyPark parkades and lots for bike parking and other sustainable modes such as low carbon, car-share, and carpool vehicles. The focus of this work will be helping to develop design guidelines, a prioritized list of recommended locations, and a scalable action plan to provide secure, convenient, and safe facilities for sustainable modes at EasyPark locations.

Value to City:

- Concerns about theft and a lack of end-of-trip facilities are major deterrents to cycling, one of the City's top transportation priorities. Providing abundant, secure, and convenient bicycle parking and other end-of-trip facilities (e.g. lockers, showers, bike repair space) will play an important role in encouraging more cycling trips and meeting our Greenest City and Transportation 2040 targets.
- EasyPark locations are a valuable City-controlled resource and potential low-hanging fruit to help meet this need. They could play a key role in supplying secure, plentiful bike parking with convenient at-grade access from the road. There is also potential

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to further support transportation targets, e.g. by prioritizing spaces for low carbon, car-share, and carpool vehicles.

How and When the Work Will Be Actionable:

- The scholar's work will inform ongoing and future work by staff on the strategic development of mobility centres in conjunction with rezoning applications and bike network planning.
- The scholar's efforts will support an implementation plan for increasing bike parking and supporting sustainable modes at EasyPark locations, with a pilot location in place by the end of 2014.
- The scholar's work will also inform broader strategies on cycling end-of-trip facilities, cycling network development, and parking policy in general – including an update of current City parking bylaws, and the adoption of design guidelines and policy for off-street bike parking.

### **Deliverables**

- Summary of best practices on the design, location, and operation of bike mobility centres.
- Priority list of recommended EasyPark locations.
- Recommendations for a scalable design and implementation plan for converting space at the recommended EasyPark location(s) to bike parking first, and then considering other end-of-trip facilities (e.g. lockers, showers) and sustainable modes.

### **Mentor department**

Engineering Services

### **Candidate skill set/background**

- Demonstrated passion for active transportation.
- Interest in public policy, land use/transportation planning, and urban design.
- Excellent research and writing skills.
- Great interpersonal communication skills.
- Design skills are an asset.