



What is Bikeshare?

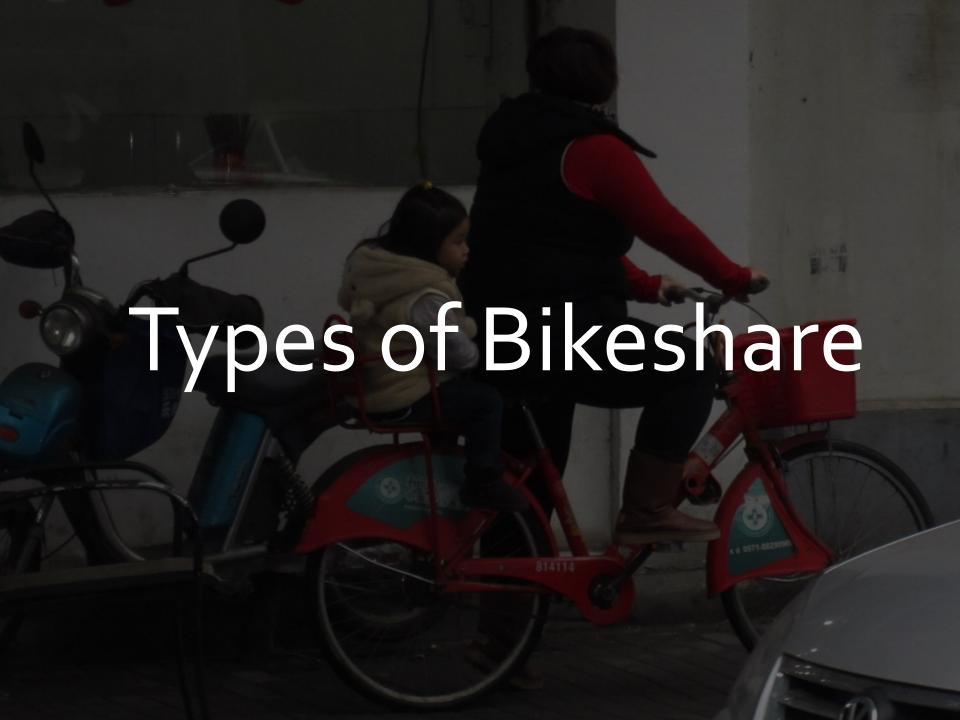
- ▶ Bikes available at locations throughout the city for short term rental
 - Accessed through digital technology
 - ► Grab a bike from one location and drop it off in another
 - Significant bikeshare systems exist in Canadian cities including:
 - Vancouver, Montreal, Toronto, Hamilton, and Ottawa





- Access to Transit
- ► Transportation & Land Use Planning
- ► Support Climate Change Goals
- Active Transportation
- ► Road Safety
- ► Transportation Choice
- ▶ Traffic Congestion
- **▶**Tourism









Ad-hoc

- ► Inexpensive to ride
- Delivered by not-for-profits
- System not scalable without constant reinvestment





Docked Bikeshare

► Most visually recognizable bikeshare model

- Digitized access control
- Often funded through large subsidies from government
- ► Inflexible due to heavy siting requirements





Dockless Bikeshare

- Newest and fastest growing bikeshare model
- ▶ Inexpensive to use
- ▶ Digital access control through smartphone
- Funded by private operators at no cost to municipalities
- ▶ Low siting requirement for increased flexibility



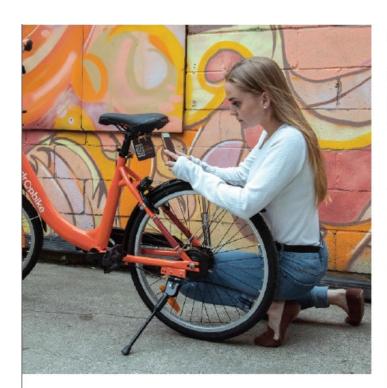




- Density of Destinations
- Cycling Infrastructure
- **Tourism**







1. Scan.

Find a dropbike through your Dropbike smartphone application. Scan the QR code, the bike will unlock automatically, and you're free to go!



2. Ride.

It's all yours! You're encouraged to wear a helmet, and you must follow all local laws while riding a bicycle. Dropbike provides instructions both on our bikes and in-app.







3. Park.

the bike.



Third-generation bikes with LTE and GPS.



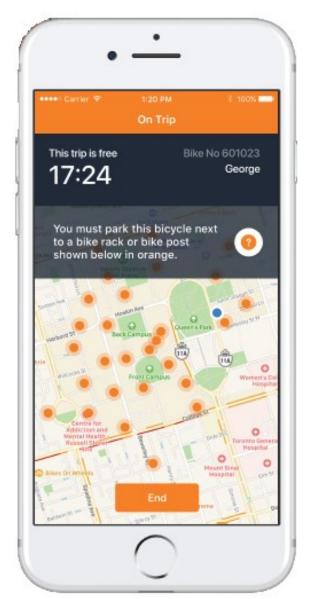


The Business Model

- Docks are the most expensive part of traditional docked bikeshare going dockless sheds costs
 - By eliminating docks bikeshare can be a profitable business
- ▶ Unit price for bicycles is 250\$
 - With some basic assumptions around ridership a provider could reach 100\$ of profit per bicycle per year without any government funding

Havens

- ► Havens are virtual spaces where users can start or end their trip
 - Havens can be moved easily and created at the drop of a hat for special events
 - Haven costs are negligible

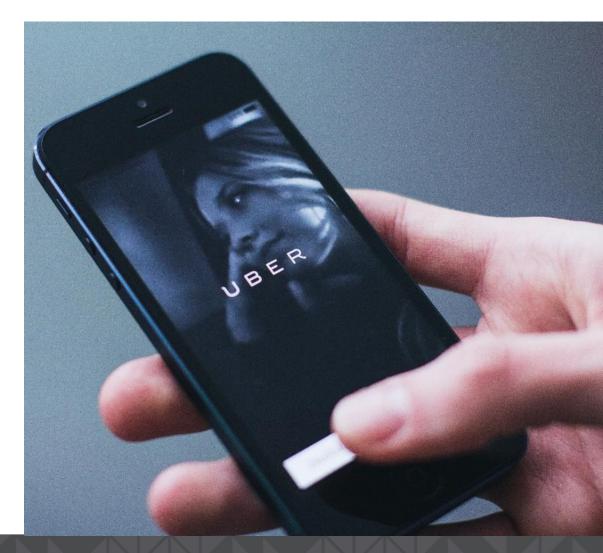






Costs and Customer Roles

- ▶1\$/hour
 - ➤ 50\$ deposit taken upon signup
- ➤ To unlock a bike you need:
 - ► Credit card
 - Smartphone
 - ► Internet access





Key Operations Issues

- Deployment
- Rebalancing Bikes
- ▶ Repairs
- **►**Theft
- ▶ Liability
- Marketing and Communications



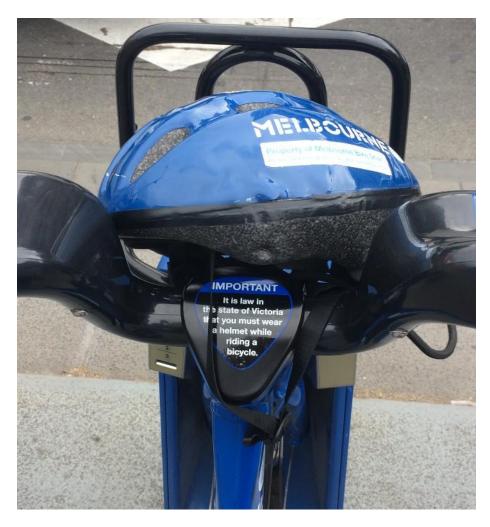


Helmet Law

▶ Safety

- ► Hygiene
- Stickers & phone prompts
- ▶ Business Program



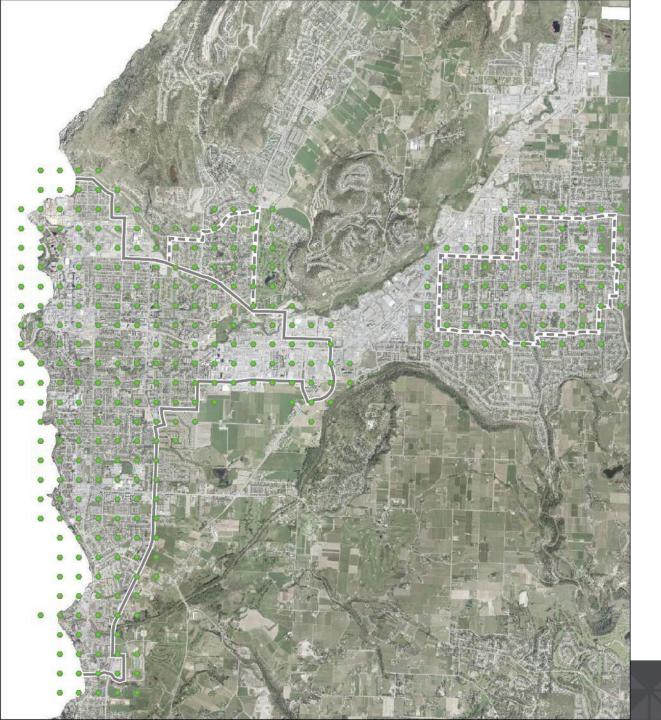


Orderly & Attractive System

► Bikeshare havens

- Preserves flexibility
- Incentivize an orderly system.







Coverage Areas

- ► Solid Line = Primary Service Area
- ➤ Dashed =Potential Expansion Areas



Next Steps

- Continue Internal Discussions
- ► Finalize Key External Stakeholder Consultation
- ▶ Pilot Proposal back to Council

- ► Council can expect an update in early January
- ▶ Potential to commence pilot for March/April



Questions?

For more information, visit **kelowna.ca**.

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Tanglao, Roland. "100% full 20170922_140220." Flickr, Yahoo!, 23 Sept. 2017, www.flickr.com/photos/roland/37409756895.

Nacto. "Back-to-Back Station in Plaza - Citi Bike NYC." Flickr, Yahoo!, 27 Apr. 2016, www.flickr.com/photos/nacto/26075927823.

Nacto. "Bike with Child Seat - Hangzhou Public Bicycle." Flickr, Yahoo!, 27 Apr. 2016, www.flickr.com/photos/nacto/26406563420.

IEMOTO, Kentaro. "Mobike." Flickr, Yahoo!, 18 Oct. 2017, www.flickr.com/photos/kentaroiemoto/37740027352.

Nacto. "Bike on 6th Ave (Standard Bike Lane) - Citi Bike NYC." Flickr, Yahoo!, 27 Apr. 2016, www.flickr.com/photos/nacto/26074004724/in/album-72157667592869546/.

Photos, SDOT. "Lime bike waits near the 2nd Ave protected bike lane @ Marion." Flickr, Yahoo!, 22 Aug. 2017, www.flickr.com/photos/sdot_photos/35929757553.

freestocks.org. "Uber iPhone app." Flickr, Yahoo!, 12 Jan. 2016, www.flickr.com/photos/freestocks/24336063775.