Hello, London

Shared E-scooter

Battery	36 V, 21.0 Ah 10S6P
Charge Time	5.8 hrs
Range	35 miles
Braking	Regen; Drum (front), disc (r)
Wheels	10" pneumatic
Top Speed	15 mph
Dimensions	47.7 in. x 19.3 in. x 46.8 in.
Lights	Front / Rear LEDs

Throttle-Brake Interlock
Automatic safety actions to protect against accidentally holding the throttle.

Dual Wiper Throttle
Automotive-grade functional safety and guaranteeing absolute speed-control accuracy

Enhanced Lighting

Anti-Theft Encryption
Enhanced encryption keeps our riders safe and helps deter theft

Status Indicator

Autonomous Damage Sensors
Self-reporting damage sensors and automotive-inspired diagnostic technology

Dynamic Stability Control Steering (DSCS)
Stabilizes out-of-control, sudden or erratic movements, guards against unsafe turns or over-corrections.

Seamless Screws
Protection against injury and theft with no exposed screws

Skid Detection
Only vehicle with skid detection technology to prevent improper riding behavior.

Puncture-Proof Tires
10" tires feature puncture-proof tech, higher traction, and decreased vibration.

Performance
A rear motor gives faster acceleration and more control in critical situations.

Industry's Longest-Lasting Battery
Automotive-grade battery management system. Largest, safest, only operator with IP68 integrated battery

Tip Detection Technology

Anti-Tip Kick Stand
With a dual anti-tipping kickstand, this Bird stands on its own two feet.

Performance
AEB brings the vehicle to a stop in the event of a brake failure.

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A shared commercial e-scooter program provides the City with more control and several advantages over personally owned e-scooters

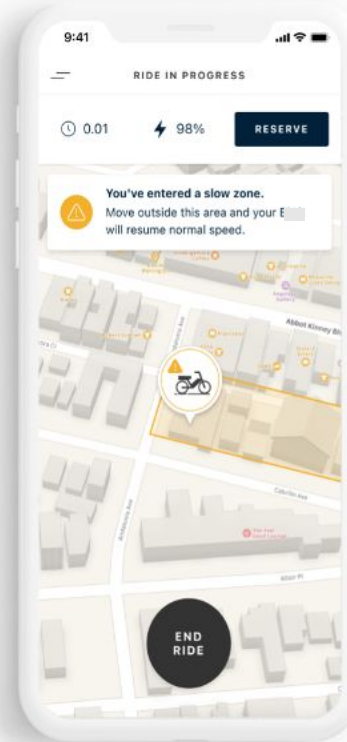| Accessibility/Senior Concern	Shared E-scooter Rental Program (What these scooter program have)	Personal Use E-scooters (What they don't have)
E-scooters are too fast	• Shared e-scooters have speed governors - can cap maximum speed (i.e. 20 km/h max.) • Shared e-scooters have geo-fencing capabilities: slow down / no ride zones / no park zones • "Beginner Mode" has shared e-scooters ride with gentle acceleration & lower speed	• Speeds can greatly exceed provincial maximum permitted speed • No geo-fencing capabilities to prevent riding or parking in key areas of city
E-scooters are too quiet	• Shared e-scooters can emit a noise at a regular interval and while idling while in service to warn others of its presence.	• No noise emission for vulnerable road users
E-scooters are hard to see	• Shared e-scooters come with high contrast colouring + reflectors • Come with lights front and back	• Often do not come equipped with reflectors • Personal e-scooters not manufactured to same rigorous standards as shared e-scooters
E-scooters may be ridden on sidewalks	• Shared e-scooters come with anti-sidewalk riding technology	• No anti-sidewalk riding technology
E-scooters may be misparked	• Shared e-scooter programs have developed various parking strategies to keep public realm safe and tidy: no park zones, in-app "preferred" parking zones, "lock-to" e-scooters, camera positioning parking, etc.	• Are either brought in doors or like "lock-to" shared e-scooters, are locked to bike racks
E-scooters are hard to report	• QR Code reporting and/or in-app reporting available • Braille and/or Raised Lettering on shared e-scooters • Customer support available via email & 1-800 & TTY relay	• No QR Code / in-app reporting • No Braille/Raised Lettering • No customer support • No TTY relay service
E-scooters can't be enforced	• Daily "Safe Street" patrols by shared e-scooter company staff • 15 minute response times by shared e-scooter company • "License plates" on shared e-scooters - shared e-scooter riders are not anonymous / fines & bans enforced by company	• No "Safe Street" patrols • No mandated response times • No "license plates" on e-scooters • Hard to enforce against an anonymous rider

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Geo-zone technology

All vehicles are tracked with GPS.

When riders enter a designated geo-zone, vehicles follow set rules.
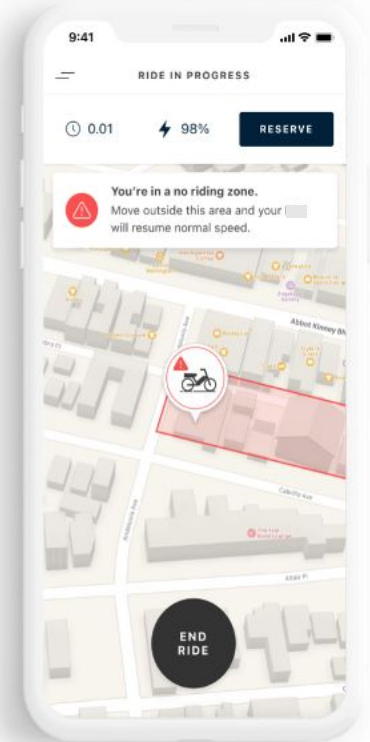
Vehicles will slow down or stop, and riders are notified by a vehicle sound and an in-app notification.

*Most Canadian cities have set shared e-scooters to a maximum of 20 km/h and slow down zones for highly pedestrianized areas of the City are generally set at 15 km/h.

Slow Zone

No Ride Zone and/or No Park Zone

9:41

RIDE IN PROGRESS

0.01   98%   RESERVE

You've entered a slow zone.
Move outside this area and your E▨▨
will resume normal speed.

END RIDE

9:41

RIDE IN PROGRESS

0.01   98%   RESERVE

You're in a no riding zone.
Move outside this area and your ▨▨
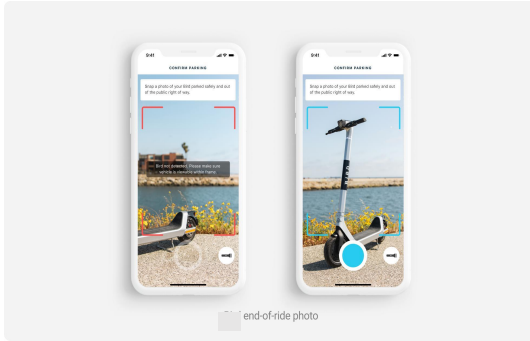will resume normal speed.

END RIDE
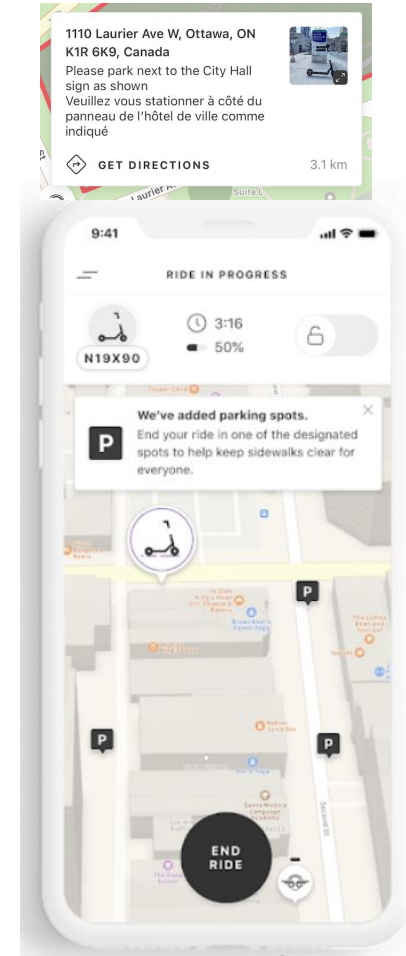
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Smart Sidewalk Protection

Applied to sidewalks with history of bicycle sidewalk riding, particularly on main streets downtown. Image shows e-scooter rider entering sidewalk from street and sidewalk detection technology preventing riding of the e-scooter on the sidewalk.
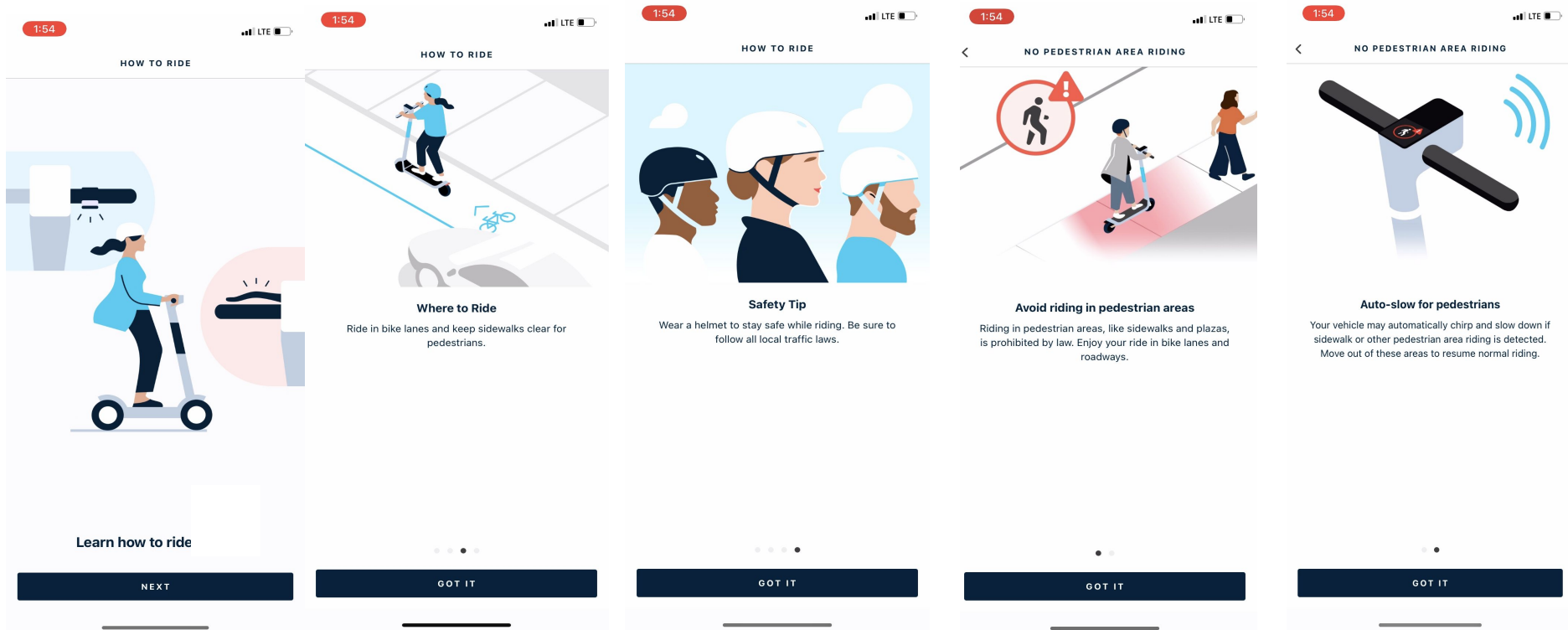
Parking of e-scooters

end-of-ride photo
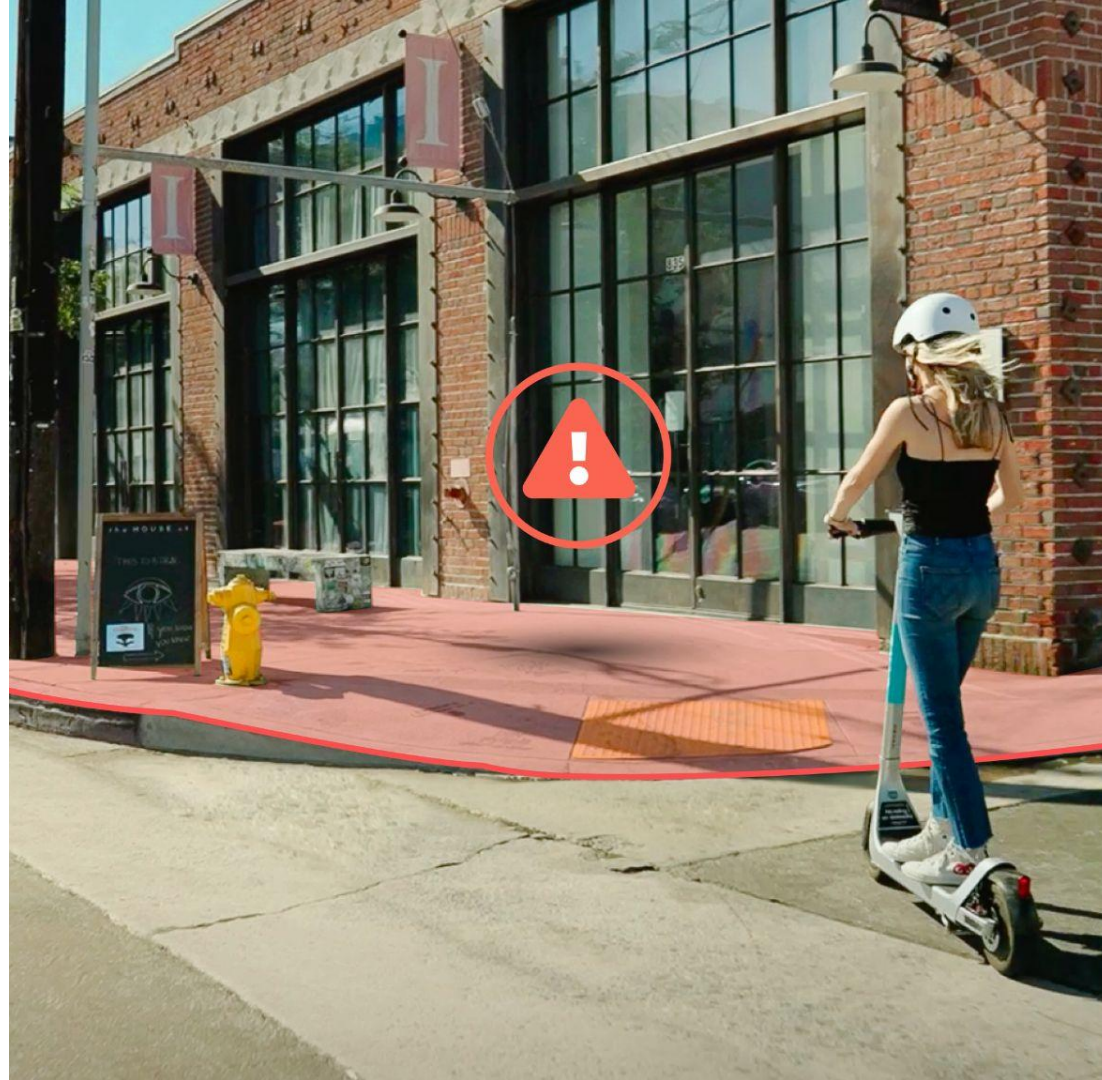
✔ In-app rider education - tutorials, video

✔ Street Patrols by shared e-scooter company staff

✔ "Virtual Parking" spots (these are located digitally in-app with instructions for how to locate and park properly)

✔ Some cities provide supplemental Designated Parking spots that are located throughout the City (i.e. painted box, mat, etc.).

✔ End of Ride photos

✔ Geo-fencing for no-park, slow down and no ride zones

✔ Warnings, fines, suspensions by Shared E-scooter company for inappropriate riding/parking

1110 Laurier Ave W, Ottawa, ON K1R 6K9, Canada
Please park next to the City Hall sign as shown
Veuillez vous stationner à côté du panneau de l'hôtel de ville comme indiqué

GET DIRECTIONS   3.1 km

9:41   RIDE IN PROGRESS
N19X90   3:16   50%

We've added parking spots.
End your ride in one of the designated spots to help keep sidewalks clear for everyone.

END RIDE

In-app Rider Education

In-app images of rider tutorial for safe riding and parking of e-scooters.
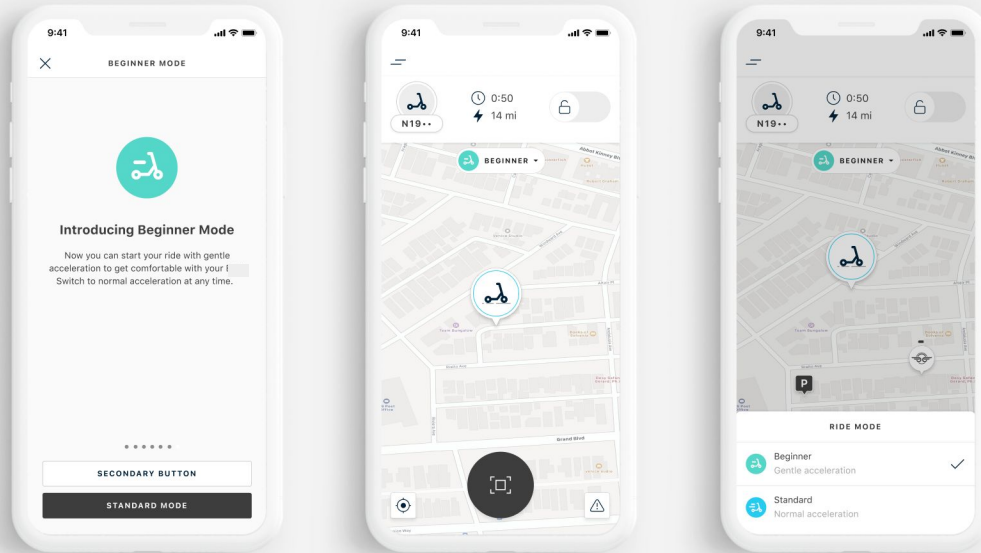
Safe Street Patrols

Shared E-scooter company Safe Streets Team patrols the operational service area of cities responding to issues in real-time.

Beginner Mode

Beginner Mode

Beginner Mode automatically **softens** a shared e-scooter's acceleration, allowing riders to **slowly work their way up** to full speed.

This can be mandated for first # of rides and at a lower maximum speed.
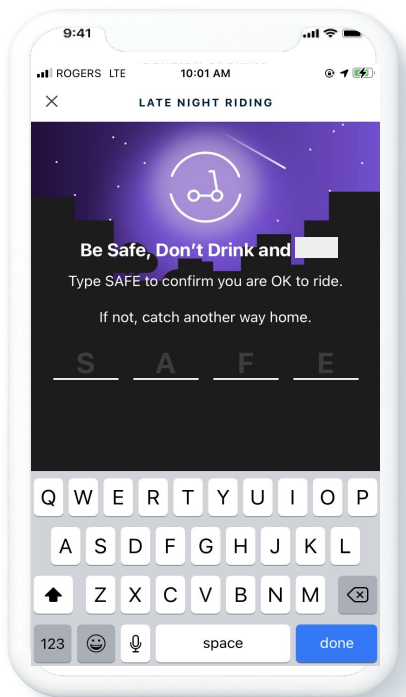
Helmet Selfies

Riders are asked to **take a selfie**. Riders who demonstrate helmet usage will receive **incentives** such as future ride credits.

Riders can also share their selfie via social media to help promote broader adoption and use of helmets.
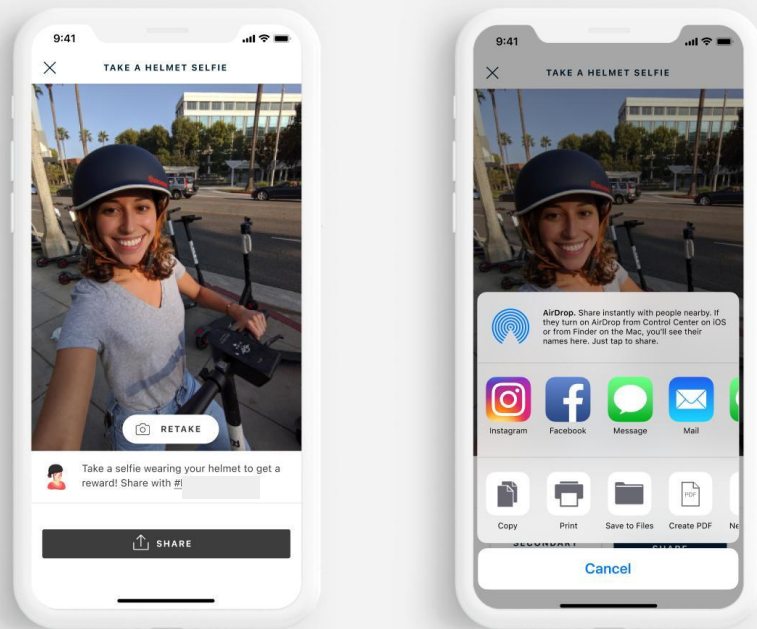
Helmet Selfie

Safe Start

An in-app checkpoint, Safe Start is **designed to discourage** people from riding under the influence.

During late night hours, riders attempting to unlock an e-scooter are asked to verify that they can safely ride by correctly entering a keyword into the app.

Those who are unable to type the keyword correctly are encouraged to choose an **alternative method of transportation**, such as a taxi or ride-hailing service.

In-app reporting
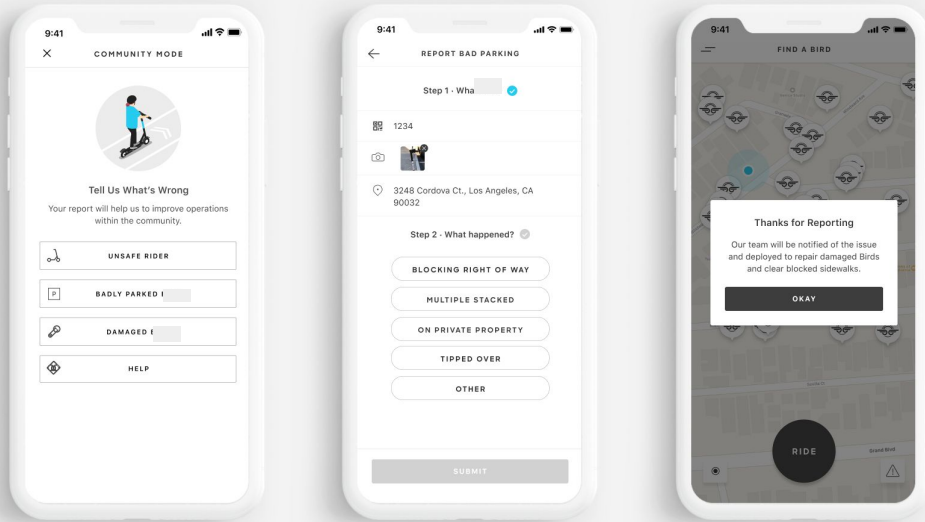
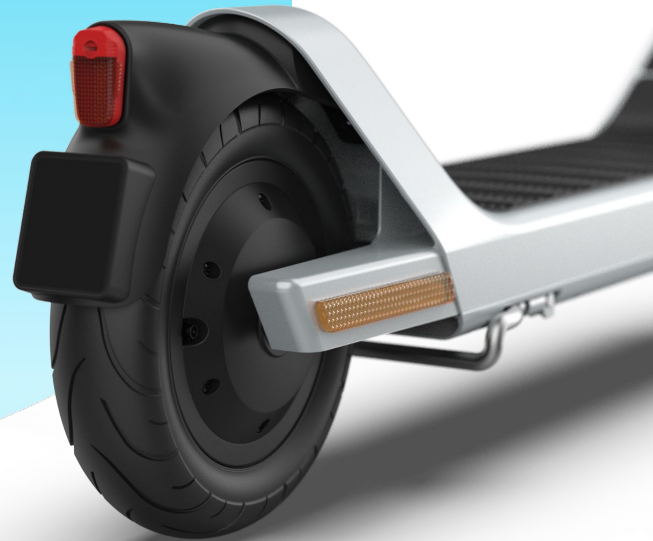Community Mode help center available to both riders and non-riders

In-app reporting is a feature that allows anyone - whether or not they ride a shared e-scooter - to **report instances where a shared e-scooter is parked improperly, damaged, etc.**

These reports help shared e-scooter companies to take appropriate action such as deploying staff to reposition or remove a vehicle, or taking further disciplinary action as needed.

Proposed Motion

Civic Administration BE DIRECTED to develop and implement a geographically confined small scale shared e-scooter pilot with a commercial vendor for 2023 in order to pilot the viability of such a program and related technologies including anti-sidewalk riding technology, geo-fencing technology to slow down shared e-scooters, prevent ridership and/or parking in certain areas, etc., that the City is unable to pilot by only participating in the personal e-scooter portion of the Provincial pilot.

Thank you.

Alex Petre