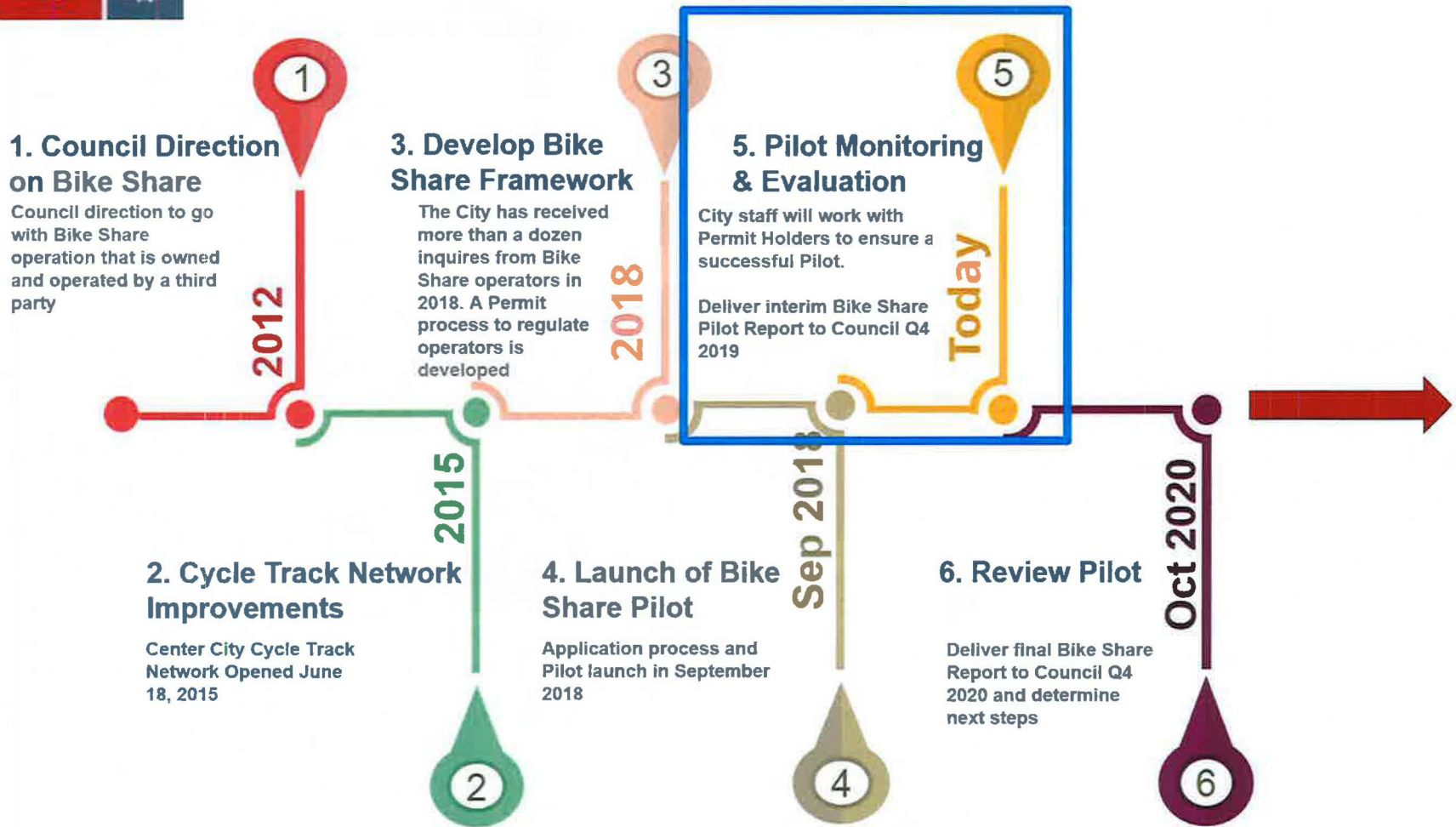


December 18, 2019

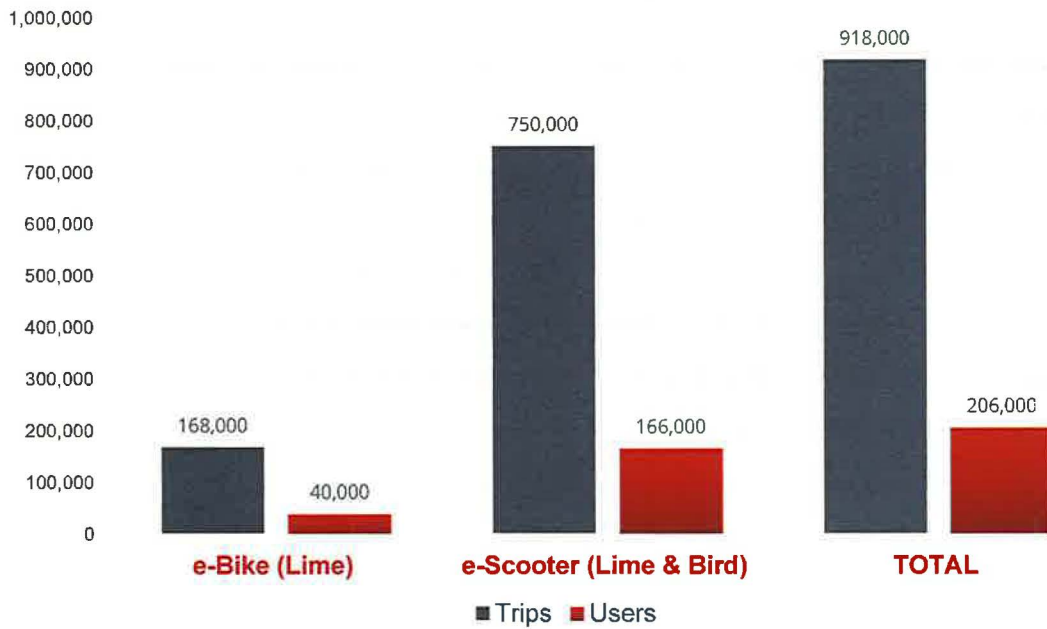
Shared e-Bike and e-Scooter Mid-Pilot Report  
TT2019-1374





## Shared e-Bike and e-Scooter Ridership

### Shared Mobility: Trips & Users

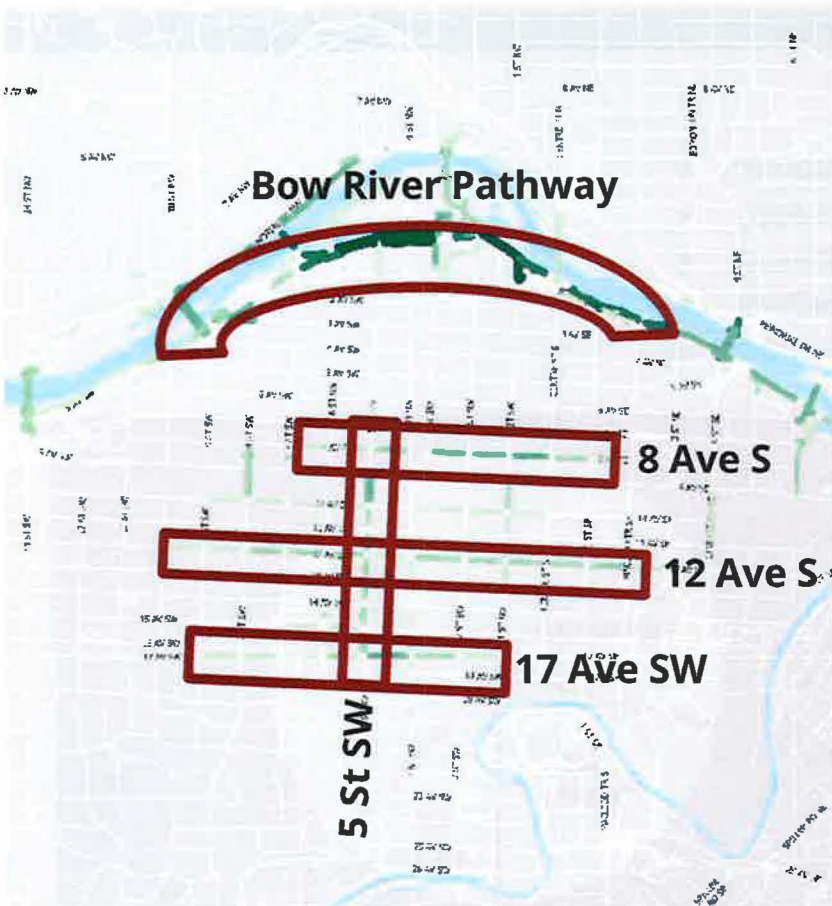
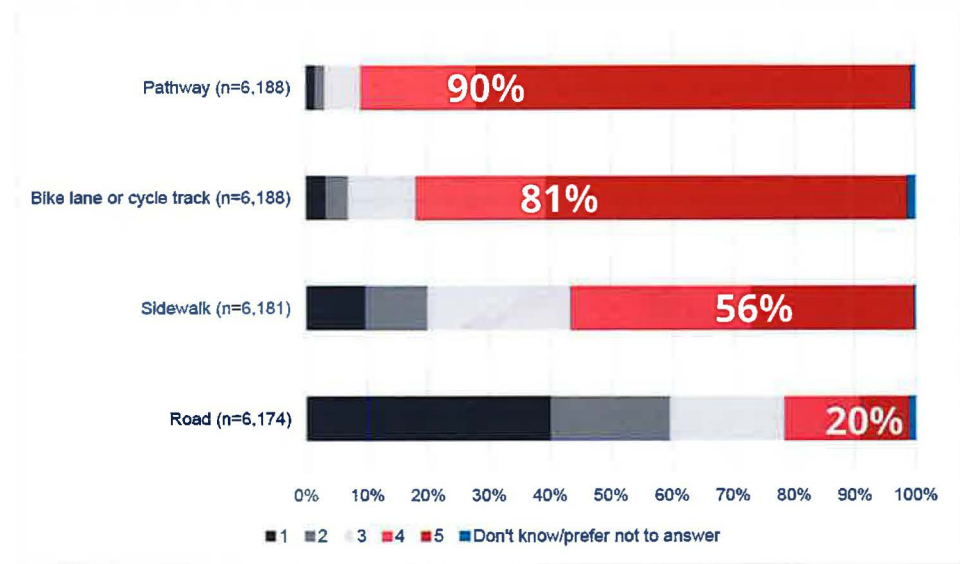




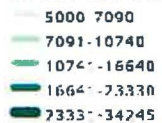


## How Riders Use the Network

7. From 1 to 5, 1 being the least comfortable and 5 being the most comfortable place to ride a scooter, please rate your comfort with the following:



### Route Use Count



### Popular E-Bicycle + E-Scooter Routes July, August, September 2019

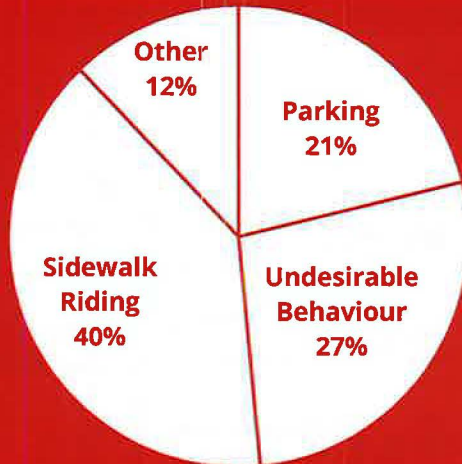


Map of popular e-bicycle and e-scooter routes in Calgary, Alberta, for July, August, and September 2019. The routes are color-coded by use count, with darker colors representing higher use. The map shows a high concentration of routes along the Bow River Pathway and major urban corridors.



## Issues Related To e-Scooters

### TYPE OF E-SCOOTER 311



### 311s and E-Mails Over Time (e-Scooter specific)



### Most common concerns:

- Scooters shouldn't be allowed on the sidewalk
- Witnessed riders breaking the rules
- Riders are inconsiderate
- Scooters are not parked in a considerate way





Transportation Injuries Requiring an Ambulance between July 8 and Oct. 1, 2019								
E-Scooters			Bicycles			Motor Vehicles		
Emergency	ICU	Fatality	Emergency	ICU	Fatality	Emergency	ICU	Fatality
33	0	0	197	4	1	463	10	1

Figure 14: AHS data on number of transportation injuries requiring an ambulance

Estimated injury rate for e-Scooters in Calgary:

- 1:1,500 trips result in emergency room visit.
- 1:100,000 trips require hospitalization (staying overnight at the hospital)

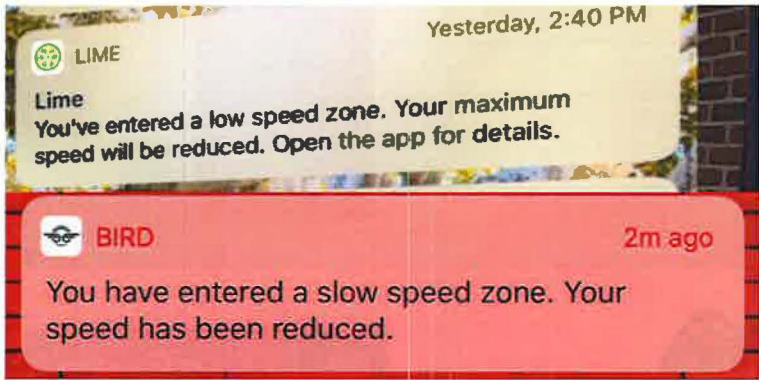
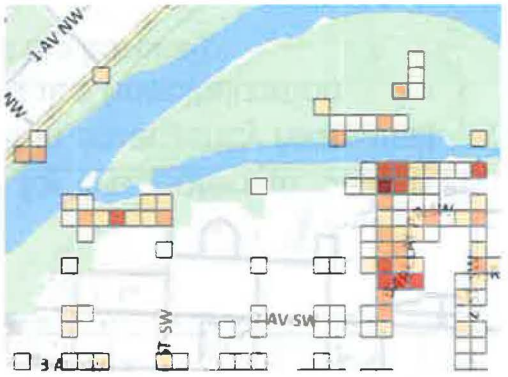
Factors in Injuries:

- Average age of injured person was 34
- Speed, losing control and hitting a stationary object was the most common cause of injury
- 5 were double riding

## Resolving Issues

1. Low Speed Zones in high pedestrian areas

2. Designated Parking Zones in high demand parking areas







## Resolving Issues

3. Adopt bylaws to allow for better enforcement and address operational concerns

4. Additional enforcement of rules and bylaws at strategic locations

5. Increased education at key locations

SECTION	OFFENCE	EARLY PAYMENT AMOUNT 1 (if paid within 10 days after the date of the offence)	EARLY PAYMENT AMOUNT 2 (if paid 10 to 30 days after the date of the offence)	SPECIFIED PENALTY
42(6.1)	Use skates, scooter, e-scooter or skateboard on sidewalk where prohibited			\$75.00
42(6.2)	Use skates, scooter, e-scooter or skateboard on sidewalk in a manner that interferes with another user of the sidewalk			\$150.00
42(6.4)	Carrying passenger on an e-scooter			\$75.00
42(6.5)	Colliding with another user of the sidewalk or street			\$400.00
42(6.6)	Operating in a reckless manner, having regard to the circumstances			\$400.00"



## Recommendation

That the SPC on Transportation and Transit recommend that Council give three readings to the proposed bylaw to amend the Calgary Traffic Bylaw 26M96 (Attachment 3)

