Informed Consent

We're conducting a survey about micromobility options in Abbotsford on behalf of Thompson Rivers University for an undergraduate research project investigating the potential for micromobility adoption in the province of BC.

If you agree to take part in this study, you will be asked to complete the questionnaire starting on the next page. You should be able to complete it in approximately 10-12 minutes.

Participants will be asked to complete a survey that includes questions about their knowledge, interest, and usage of micromobility options. The information collected will be used for academic research purposes, including presentations, publications, and reports.

There are minimal risks associated with participating in this study. Some participants may feel uncomfortable answering certain questions, but you are free to skip any questions you do not wish to answer. The potential benefits of this study include contributing to the development of sustainable transportation policies in BC and enhancing the understanding of micromobility options.

Your participation is voluntary, and you may stop at any time. Please note that there are no right or wrong answers. Please respond to the best of your ability. If there are any questions you prefer not to answer, you may decline to answer those questions. All information collected in this survey will be kept confidential, stored on a password protected computer kept by the principal investigator. Survey data will be retained on this computer for 1 year, then the data will be deleted.

If you would like to withdraw your data from this study, please enter an identifier for yourself in question 2. To withdraw, please email your request to the principal investigator and note the identifier you used. As all personal data will be kept confidential, you may use any identifier you will remember.

If you have questions during or after completion of this study, or if you would like to receive copies of the results, you may contact the principal investigator, Rufaro Mundangepfupfu from Thompson Rivers University at munandgepfupfur20@mytru.ca. If you have any concerns about your rights as a research participant and/or your experiences while participating in this study, you may contact the Chair of the Research Ethics Board at Thompson Rivers University at TRU-REB@tru.ca or 250-828-

5000, or you may contact the Dean of the School of Business and Economics, Dr. Michael Henry, at mihenry@tru.ca or 250-852-6290.	

Informed Consent
1. If you are 16 years of age or older, understand the statements above, and consent to participate in the study click the "I agree" button to begin the survey. By clicking "I agree" and filling out this survey, you are consenting to participate.
Agree
○ Disagree
2. Optional: Please provide an identifier(s) for your survey entry. This will be kept confidential and only used should you wish to withdraw your responses. Withdrawal identifier (e.g. initials (i.e. something you will remember)):

Screening Questions

3. Do you live in Abbotsford?

O Yes

O No

4. What is your age?



Micromobility knowledge and perceptions

This survey aims to understand your transportation habits, knowledge, and perceptions of various micromobility devices. Micromobility refers to small, lightweight, and low-speed human and electric-powered vehicles, such as electric bicycles and electric scooters. Your insights will help shape future transportation options in our community.



1. Single axis electric mobility device - unicycle 2. Single axis electric mobility device - hoverboard 3. Skateboard 4. Kick scooter (with no electric assist) 5. Single axis electric mobility device - Segway 6. Motorcycle (cruiser, sport or classic) 7. E-skateboard (with electric assist) 8. Seated limited speed electric scooter or moped 9. Conventional bicycle (with no electric assist) 10. E-bike (with electric assist) 11. Kick e-scooter (with electric assist)

	Current use		Ideal use
E-bike (with lectric assist)		‡	\$
Conventional cycle (with no lectric assist)		\$	‡
cick e-scooter with electric assist)		•	‡
Kick scooter with no electric assist)		•	‡
eated limited peed electric poter or moped		•	\$
Motorcycle ruiser, sport or classic)		‡	\$
E-skateboard (with electric assist)		•	\$
Skateboard		\$	\$
Single axis ectric mobility evice (unicycle, hoverboard, Segway)		*	\$
Private motor Phicle (e.g., car, uck, van, SUV)		‡	\$
Public transit ass (e.g., Umo, UPASS)		•	\$
de hailing app g., URide) that you use frequently		\$	\$

Micromobility knowledge and perceptions

6. What $mode(s)$ do you use most often to get to and from public transit?
Walking
Private motor vehicle - someone drives me and drops me off at the stop or station
$\hfill \square$ Private motor vehicle - I drive and park at or near the stop or station $\hfill \square$
Motorcycle (cruiser, sport or classic)
Seated limited speed electric scooter or moped
Kick e-scooter (with electric assist)
Kick scooter (scooter with no electric assist)
E-bike (bicycle with electric assist)
Conventional bicycle (bicycle with no electric assist)
Ride hailing (e.g., Uber) or Taxi
I do not use public transit: Private vehicle or Other (please specify)
None of the above (SKIP)

7. How strongly do you agree or disagree with the following statements about e-bikes? I think e-bikes						
	Strongly disagree	Somewhat disagree	Neutral/I don't know	Somewhat agree	Strongly Agree	No response
Are safe to ride						
Are fun to ride		\bigcirc				
Can be used by people of all ages & abilities						\bigcirc
Are good for short trips (e.g., help people get around faster or more easily)	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Can make it easier for people to connect to public transit (i.e., could help with the "first and last mile" of transit trips)	\bigcirc		0	\bigcirc	0	0
Can reduce reliance on cars and therefore could reduce local/regional traffic congestion	\bigcirc	\bigcirc		\bigcirc	\bigcirc	\bigcirc
Should only be allowed to be used by those with a driver's license	\bigcirc	\circ	\bigcirc	\circ	\circ	\bigcirc
3. Do you think e-mobility devices are a good alternative to the following transportation modes?						
	Yes		No	I don't knov	w No	o response
Driving						
Walking						
Taking short public transit trips (15 min or less)						\bigcirc
Taking long public transit trips (more than 15 min)	\bigcirc		\bigcirc	\bigcirc		\bigcirc

	Desire to be innovative or try something new	
	Ease of travel and convinence compared to device with no assist (e.g., easier to climb hills, go further distances)	
	Reduced transportation costs	
	Environmental benefits	
	Safe and direct routes	
	Secure, covered parking	
	Physical activity	
	Improved mental health	
	Encouragement/inspiration from friends or family to ride	
	I don't know	
	Other (please specify)	
_		
	None of the above	

Lack of familiarity with	h these devices and tecl	hnology			
No interest in using the	nese devices				
Cost					
Not enough cargo space	ce				
Reduced exercise com	pared to using other ac	tive modes (e.g. walking,	bike)		
Stigma of using an e-a	ssist device				
Lack of safe and direct	t bike routes				
Concerns for weather	and/or distances (being	too far)			
Mobility or health issu	ies				
Fear of theft					
Other (please specify)					
1. Do you think e-scooter	rs should be permit Yes	ted to ride in the follo	owing places? I don't know	No response	
·				No response	
Sidewalks				No response	
Sidewalks Bike lanes Off-street walking and				No response	
Sidewalks Bike lanes Off-street walking and cycling corridors				No response	
1. Do you think e-scooter Sidewalks Bike lanes Off-street walking and cycling corridors Pathways in parks Quiet residential streets (i.e., roads with no marked lanes or centrelines)				No response	

Only in designated stations or areas I don't know No response	Anywhere				
	Only in designate	d stations or areas			
No response No response	I don't know				
	O No response				

13. How strongly do you agree or disagree with the following statements? "I think a shared e-scooter program in my region ...

	Strongly disagree	Somewhat disagree	Neutral/I don't know	Somewhat agree	Strongly Agree	No response
Is a good idea						
Would support tourism.						
Would make accessing parks and greenspace easier	\circ	\circ	\bigcirc	\bigcirc	\circ	\circ
Would have a positive impact on the Abbotsford image and reputation.	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Would help reduce traffic congestion.						
Should have a helmet with each scooter.		\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Should integrate with existing public transit (e.g. available at transit stations).	\circ	0	0	0	\bigcirc	0
Should be able to be paid for with my transit pass or similar universal service	\bigcirc	\bigcirc	\bigcirc	\circ	\bigcirc	\circ

14. If a shared e-scouse it?	ooter program w	vas made avail	able in your ai	rea, how often do	you think you	u would typically			
Never—not once									
Very Infrequently—once or twice in the next few years									
Annually—at least once a year but not monthly									
O Monthly—at least	Monthly—at least once a month but less than once a week								
Weekly—at least o	nce a week but not	daily							
I don't know									
O No response									
15. If a shared e-scoot the following ways:		Somewhat							
	Very unlikely	unlikely	I don't know	Somewhat likely	Very likely	No response			
For fun and recreation	O		\bigcirc	\bigcirc	O	\bigcirc			
For everyday commuting to work and school						\bigcirc			
For everyday transportation to [irregular] appointments, errands, shopping, etc.	\circ	0	0	0	\circ	\bigcirc			
To get to and from public transit	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc			
Instead of transit									
Instead of walking									
Instead of cycling with a conventional or electric bicycle		\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc			
Instead of driving, carpooling, carsharing or taking a taxi	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc			

16. What types of traffic control devices do you think are most beneficial for promoting micromobility and active transportation in Abbotsford? (Select all that apply)
Dedicated e-scooter paths
Shared-use paths
Advanced stop lines for bicycles
Bicycle traffic signals
Raised crosswalks and intersections
Curb extensions (bulb-outs)
High-visibility crosswalks
Improved signage and wayfinding
Street furniture and amenities (e.g., benches, water fountains)
Other (please specify)
None of the above (SKIP)

17. What information would help you feel more co	nfident using micromobility options? (Select all that apply)
Safety guidelines and best practices for riding e-bikes a	nd e-scooters
Information on the benefits of micromobility for health a	and the environment
Maps and routes for micromobility-friendly paths	
Details about pricing and payment options for micromol	bility services
Updates on new infrastructure projects and improvement	nts
Other (please specify)	
None of the above (SKIP)	
8. What benefits do you see in integrating micror	nobility with public transit? (Select all that apply)
Increased convenience	
Reduced travel time	
Cost savings	
Environmental benefits	
Improved access to public transit	
Reduced traffic congestion	
Other (please specify)	
None of the above (SKIP)	

19. What concerns do you have about integrating micromobility with public transit? (Select all that apply)
Safety
Increased congestion at transit stops
Maintenance and reliability of micromobility vehicles
Potential for theft or vandalism
Cost of integration
Other (please specify)
None of the above (SKIP)
20. Do you have any additional comments or suggestions regarding micromobility adoption in Abbotsford?

Demographic Information

The following questions ask about your individual characteristics and will be used for comparison purposes only. All information will remain strictly anonymous.

21. What is your gender?
Man
○ Woman
Transgender Man
Transgender Woman
Non-binary/Genderqueer
☐ I'm not sure/ I don't know
I prefer not to say
Oifferent identity (please specify if desired)
22. What is your employment status?
22. What is your employment status? Employed full-time
Employed full-time
Employed full-time Employed part-time
Employed full-time Employed part-time Self-employed
Employed full-time Employed part-time Self-employed Unemployed
Employed full-time Employed part-time Self-employed Unemployed Student
Employed full-time Employed part-time Self-employed Unemployed Student Retired

23. What is the highest level of education you have completed? [Select one]	
Some high school or less	
Graduated high school	
College/vocational/technical	
○ Some university	
Graduated university	
Graduate degree (e.g., masters)	
◯ I don't know/not sure	
I prefer to not respond	
Other (please specify)	
24. What are the first 3 digits of your home postal code? [Please enter in the format - ?#? (e.g., V2T)] [Enter UNK is unknown]	
25. What are the first 3 digits of your primary work, school or volunteer location's postal code?	
[Please enter in the format - ?#? (e.g., V2T)] [Enter UNK is unknown]	
26. Are there children (16 years old or younger) in your household?	
○ Yes	
○ No	
I prefer to not respond	

White					
Indigenous (First Nat	ons, Metis, Inuk/Inuit)				
South Asian					
Black					
Latino					
East/Southeast Asian					
Middle Eastern					
I don't know/not sure					
I prefer to not respon	i				
Other (please specify)					
In general, for com	aana waur aga waul	d you cay that y	your hoalth is? [Salast anal	
Excellent	eone your age, would	d you say that y	our health is? [Select one]	
Excellent Very good	eone your age, woul	d you say that y	our health is? [Select one]	
Excellent Very good Good	eone your age, woul	d you say that y	your health is? [Select one]	
Excellent Very good Good Fair	eone your age, would	d you say that y	your health is? [Select one]	
Excellent Very good Good Fair Poor	eone your age, would	d you say that y	our health is? [Select one]	
Excellent Very good Good Fair		d you say that y	our health is? [Select one]	
Excellent Very good Good Fair Poor I don't know/not sure		d you say that y	our health is? [Select one]	
Excellent Very good Good Fair Poor I don't know/not sure		d you say that y	your health is? [Select one]	
Excellent Very good Good Fair Poor I don't know/not sure		d you say that y	your health is? [Select one]	

29. Do you engage in at-home sustainability practices? [select all that apply]
Recycling household waste
Composting organic waste
Using energy-efficient appliances
Using water-saving fixtures (e.g., low-flow showerheads, dual-flush toilets)
Using reusable shopping bags
Reducing single-use plastics (e.g., using reusable containers and utensils)
Growing your own food (e.g., vegetable garden, herb garden)
Using a programmable thermostat to reduce energy consumption
Purchasing locally sourced food and products
Using public transportation, carpooling, or biking instead of driving
Other (please specify)
30. Do you have any health, physical, or sensory issues that limit your ability to walk or bike?
○ Yes
○ No
I don't know/not sure
I prefer to not respond

Under \$20,000 per year			
Between \$20,000 and \$34	4,999 per year		
Between \$35,000 and \$4	9,999 per year		
Between \$50,000 and \$74	4,999 per year		
Between \$75,000 and \$99	9,999 per year		
Between \$100,000 and \$	149,999 per year		
Between \$150,000 and \$	199,999 per year		
Over \$200,000 per year			
I don't know/not sure			
I prefer to not respond			