

# **Transportation Planning & Decision-Making**

## **GGR424 - Transportation Geography & Planning**

March 10, 2022

## **Announcements**

- ▶ Presentations on March 28 and April 4, message me if you have a date preference

## **Today**

- ▶ Finish up material on equity from last week
- ▶ Transit planning activity

## Cost-Benefit Analysis

- ▶ Compares the pros and cons of different transportation policy and planning options, to aid decision-making
- ▶ Usually by converting metrics (e.g. emissions, travel time savings) into dollars

<https://vtpi.org/tca/>

## Business Case

- ▶ "comprehensive collection of evidence and analysis that sets out the rationale for why an investment should be implemented" - Metrolinx

[https://www.metrolinx.com/en/regionalplanning/projectevaluation/benefitscases/benefits\\_case\\_analyses.aspx](https://www.metrolinx.com/en/regionalplanning/projectevaluation/benefitscases/benefits_case_analyses.aspx)

## 5 Transit lines undergoing planning and design in Toronto:

- ▶ Eglinton East
- ▶ Eglinton West
- ▶ Ontario Line
- ▶ Scarborough Subway Extension
- ▶ Yonge Subway Extension

### In your group

1. Provide a background on the project / route
2. Look at at least 2 design options for improvement
3. Create an evaluation table, comparing the options
4. Present findings and make a recommendation

<https://docs.google.com/presentation/d/1opoNq3CNhyuVkiRQOSOHFFnxcojoOUqWIosWqha9Ri8/edit?usp=sharing>

e.g. Evaluation table

	Option 1	Option 2	Option 3
Construction/Operating Cost			
Local Environment Impacts			
Social Equity Impacts			
Travel Time Savings			
Improving Accessibility			
Political Barriers			
etc.			