

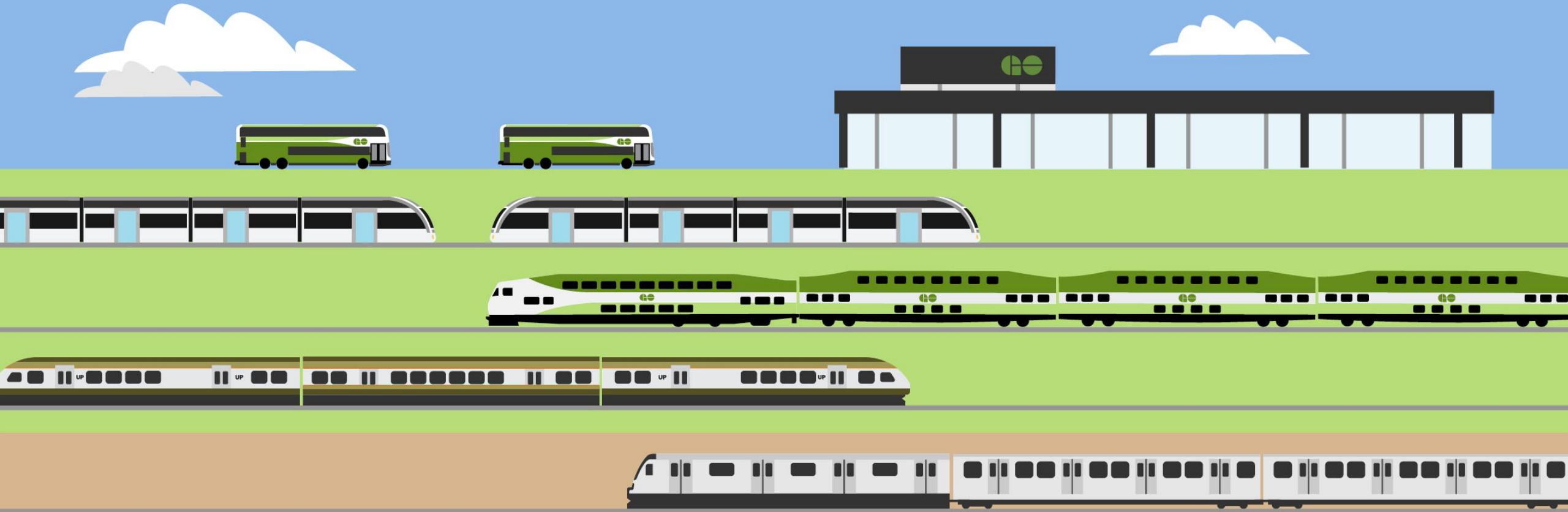


Transit in Your Community Program - Metrolinx & Civic Engagement, Grade 5

 METROLINX

YOUth Strategy

TRANSIT IN YOUR COMMUNITY - METROLINX & CIVIC ENGAGEMENT, GRADE 5



WHAT WE ARE TALKING ABOUT TODAY!

1. Land acknowledgment
2. What is Metrolinx?
3. Project overview
4. Building transit
5. Community engagement
6. Safety
7. Activity
8. Questions



LAND ACKNOWLEDGEMENT

Let us take a moment to acknowledge we are on lands that have been, and continue to be, home to many Indigenous Peoples including the Anishnabeg, the Haudenosaunee and the Huron-Wendat peoples.

We are all Treaty people. Many of us have come here as settlers, as immigrants or involuntarily as part of the trans-Atlantic slave trade, in this generation, or generations past.

We acknowledge the historic and continued impacts of colonization and the need to work towards meaningful reconciliation with the original caretakers of this land.

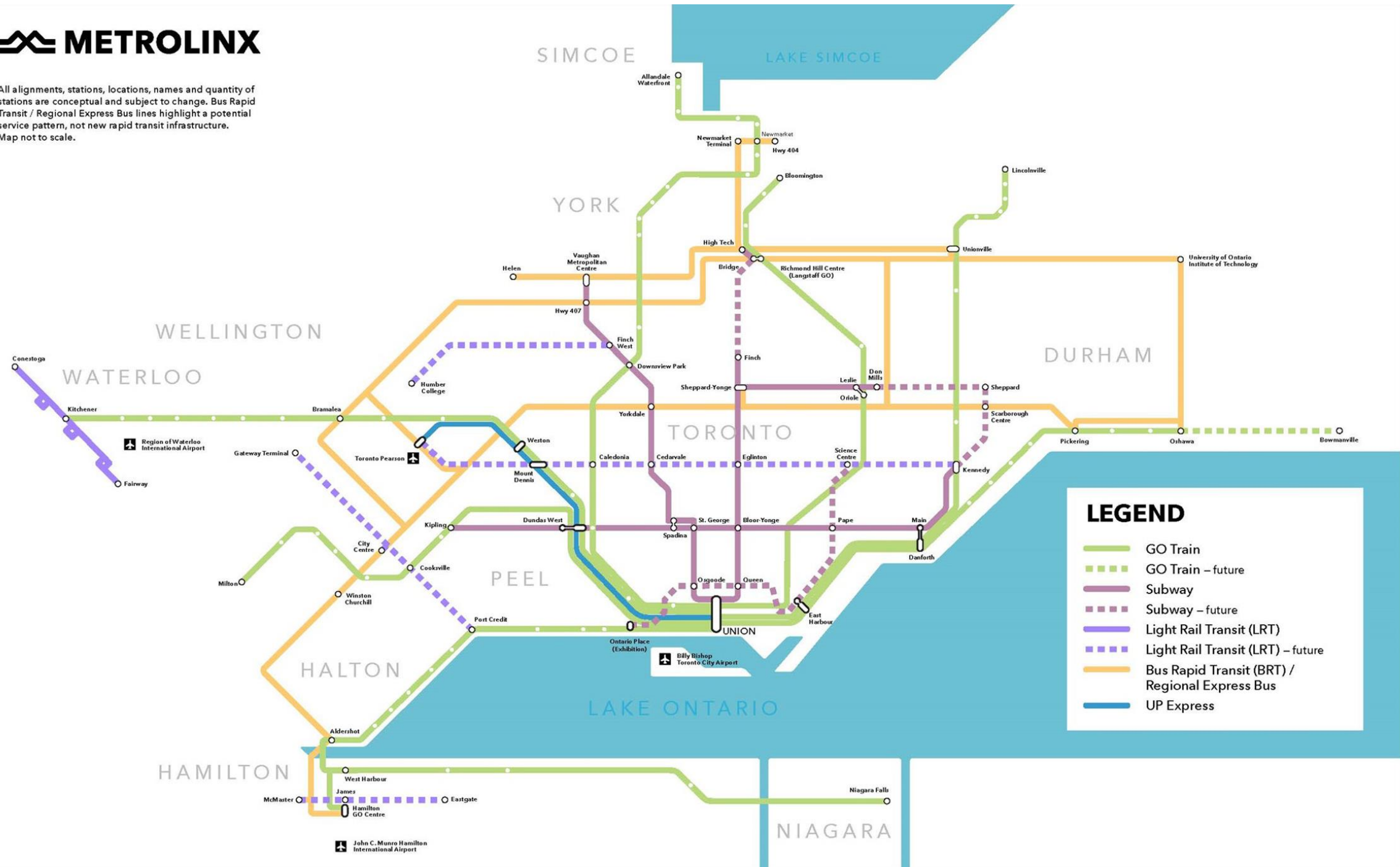
We acknowledge that Metrolinx operates on territories and lands covered by many treaties that affirm and value the rights of Indigenous communities, Nations and Peoples.

We understand the importance of working towards reconciliation with the original caretakers of this land. At Metrolinx, we will conduct business in a manner that is built on a foundation of trust, respect and collaboration.



METROLINX

All alignments, stations, locations, names and quantity of stations are conceptual and subject to change. Bus Rapid Transit / Regional Express Bus lines highlight a potential service pattern, not new rapid transit infrastructure. Map not to scale.



LEGEND

- GO Train
- ⋯ GO Train – future
- Subway
- ⋯ Subway – future
- Light Rail Transit (LRT)
- ⋯ Light Rail Transit (LRT) – future
- Bus Rapid Transit (BRT) / Regional Express Bus
- UP Express

WHAT IS METROLINX?



WHAT KIND OF TRANSIT DOES METROLINX BUILD & OPERATE?

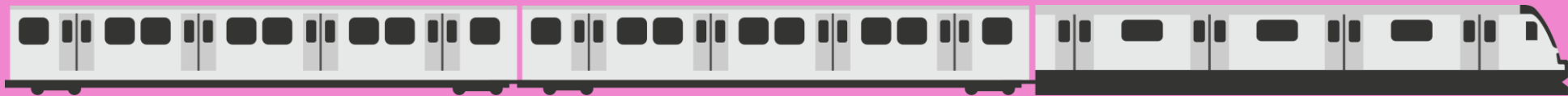
We've built bus rapid transit lines and operate GO Buses!



We're building light rail transit!



We're building subways!



We built and operate the UP Express!



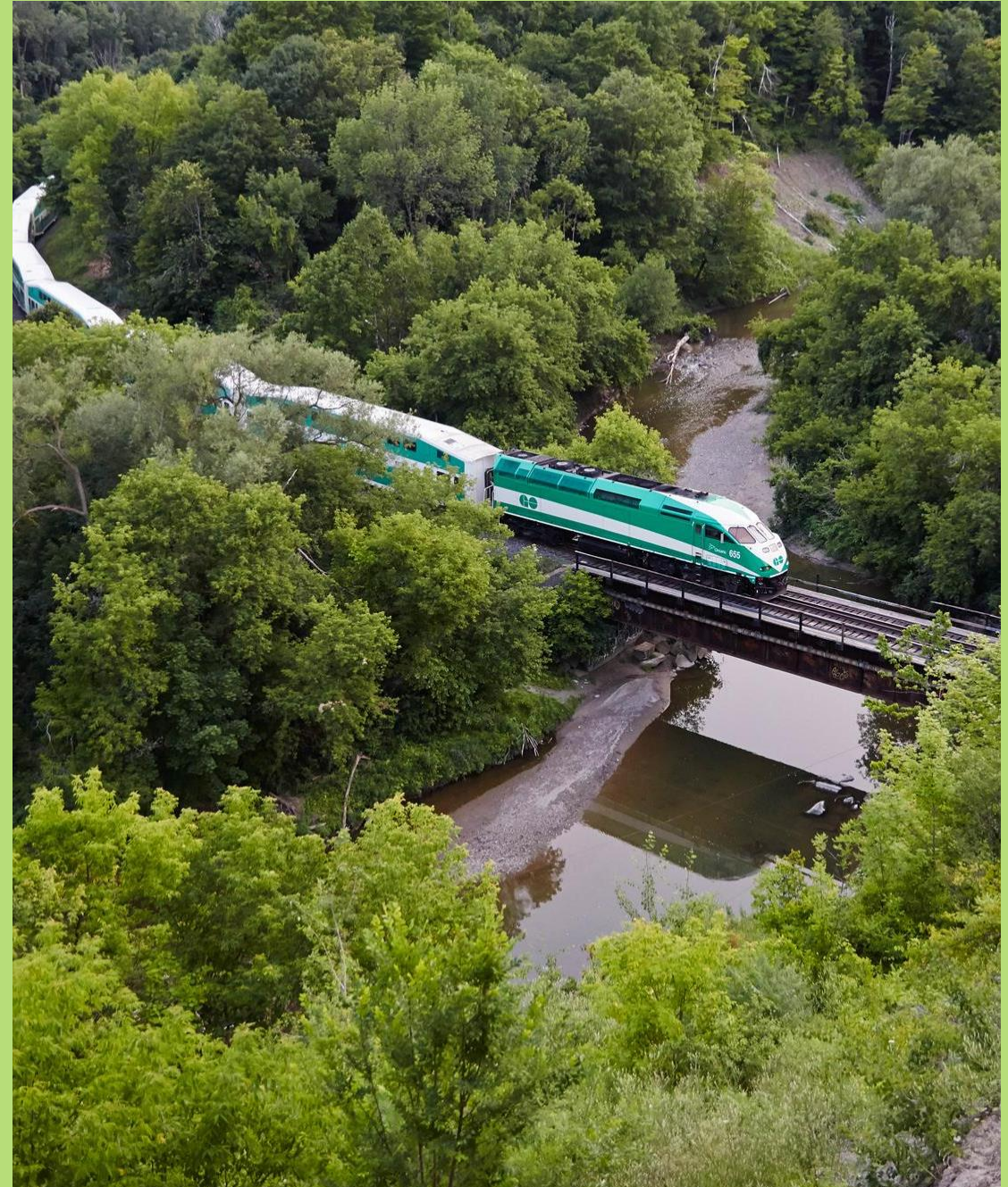
We're building track and operate GO Trains!



WHAT IS GO EXPANSION?

Making travel through the Greater Golden Horseshoe **better, faster, and easier!**

- New tracks
- More service with faster trains
- More stations
- Electrification
- Connections to local and regional transit networks

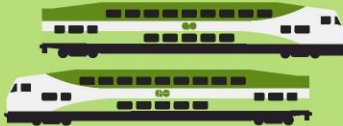


The GO Expansion program will provide a range of improvements across the GTHA:

More all-day service



Service in both directions



Trains every 15 minutes or better



Faster and more efficient fleet



More accessible stations



An expanded Union Station



Over 10,000 weekly trips from 3500 weekly trips in 2019

New trains will reach speeds of 140km/h between stations, making the GO Train faster than taking a car in virtually every instance.

Improvements to accessibility at GO Station making the GO train more accessible for all.

Capacity for train and passenger movements for the rest of the century

WHAT IS BUS RAPID TRANSIT?

Dedicated lanes

for buses which means shorter travel times and more reliable transit service.

Signal priority

to keep buses running on time.

Frequent service

with a bus every 5 minutes or less during peak hours.



WHAT IS BRT?



Dedicated lanes and shorter travel times



Frequent service



Large, semi enclosed transit stops with off-board fare payment.



More green signals for busses



Passenger information systems

WHAT IS LIGHT RAIL TRANSIT?

Near Zero Emissions

are produced by electrically powered light rail vehicles.

Dedicated Lanes

offering smooth, rapid and reliable transit.

Versatile

light rail vehicles will operate on track at street level or underground.



WHAT IS LRT?



Dedicated lanes and shorter travel times



Frequent service



Large, semi enclosed transit stops with off-board fare payment.



Electric-powered light rail reduces emissions



Passenger information systems

WHAT IS A SUBWAY?

Near Zero Emissions

are produced by new electrically powered vehicles.

Less congestion

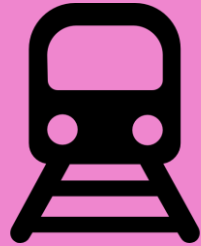
on the roadway, subways free up space for other traffic making it easier travel.

Flexible, high capacity transit

new subway vehicles will operate on track at street level or underground.



WHAT IS SUBWAYS?



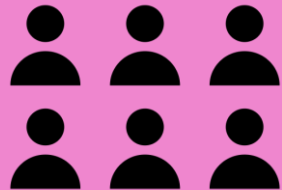
Travel time savings



Frequent trips



Connections to other transit options



Reduction in rush hour crowding



Passenger information systems



Reductions in greenhouse gas emissions

KIDS GO FREE



Did you know that kids GO free on GO Transit services?

Kids aged 12 and under travel for free on the GO Transit services across the greater golden horseshoe.

So where could you GO?

Ripley's Aquarium in Toronto

A Blue Jays Game

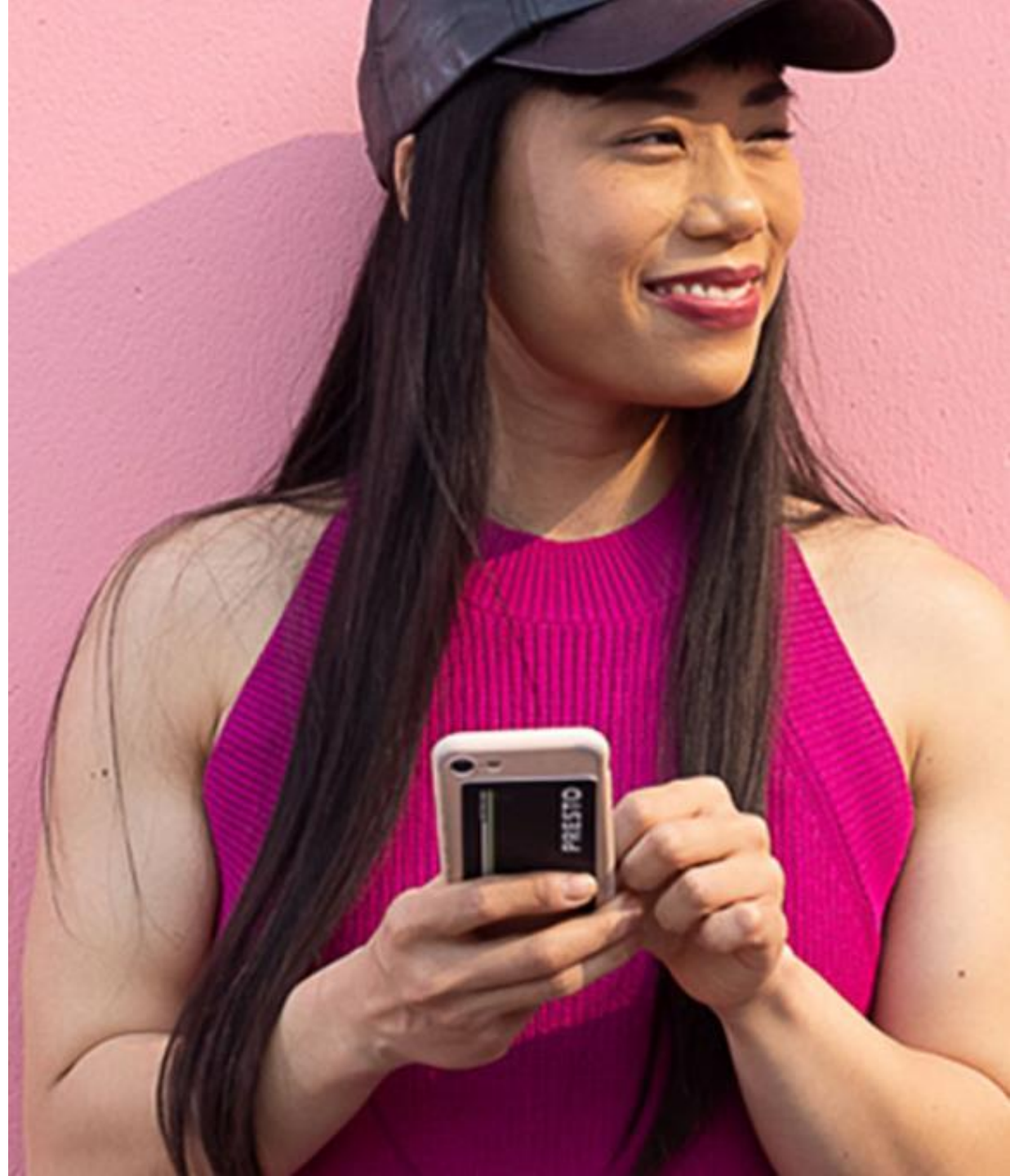
A Toronto Maple Leaf's Game

(each team to add additional items in relation to their region)

WHAT IS PRESTO?

Say hello to more ways to tap on to transit with your PRESTO card, PRESTO contactless, PRESTO E-Tickets and PRESTO Ticket.

Available on participating transit agencies throughout the Greater Toronto and Hamilton Area and Ottawa.



WHAT IS PRESTO?



Instant

Take advantage of instant loads and instant balance checking with the PRESTO app.



Touchless

Tap to pay with one of our many touchless, contactless and cashless payment options.



Discounts

Enjoy PRESTO discount rates on your transit fare, especially if you're a student or senior.

WHERE WOULD YOU GO WITH PRESTO (PERKS)?



Save on more than transit with PRESTO.

Find out where and how you can use your PRESTO card to unlock savings on exciting attractions, adventures and experiences.

Visit www.prestocard.ca/perks for more information.

WHY DO WE NEED TO BUILD TRANSIT?

1. Transit can make life easier
2. Transit can save you time
3. It can be better for the environment
4. Transit can be safer
5. Better serves a growing population



MUNICIPAL GOVERNMENT

Services that improve our lives locally

Examples:

- Libraries
- Roads
- Parks
- Waste collection

PROVINCIAL GOVERNMENT

Responsible for issues that affect the province as a whole

Examples:

- Natural resources
- Education
- Highways
- Energy

FEDERAL GOVERNMENT

Responsible for issues that affect the whole country

Examples:

- Post offices
- Banking
- National Defence
- Immigration

Add in municipal logo matching the presentation's area.



WHO IS INVOLVED IN BUILDING TRANSIT?



Engineers



Architects



Planning



Government



Contractors



Constructors



Communicators



Community

WHAT IS COMMUNITY ENGAGEMENT

Did you know that Metrolinx has a dedicated community engagement team for your region?

The engagement team works with community members, answering questions about projects. You may see us at local events, farmers' markets, at libraries and leading community walks.

Metrolinx values input we receive from the community, and you as students are part of the community at large. That means your thoughts and opinions can help shape the future of transit!



Please replace above photos with photos of your team!

WHAT TYPE OF MACHINES BUILD TRANSIT?



MEET *DIGGY SCARDUST*, A TUNNEL BORING MACHINE USED TO CREATE THE TUNNEL FOR THE FUTURE SUBWAY EXTENSION IN SCARBOROUGH.



Pile drivers are used to put large poles into the ground that can support the new stations and buildings for LRTs and subways.



Dump trucks are used to remove the dirt from tunnelling or building underground stations.



Excavators (or diggers) are used to dig holes or carry heavy equipment around the construction site.

CAN YOU NAME THIS MACHINE AND WHAT IT IS USED FOR?



METROLINX MINUTE - TUNNEL BORING MACHINE



WHAT TYPE OF MACHINES BUILD TRANSIT?

Dump trucks, front loaders and drill rigs, hydrovacs and mini-excavators are common construction vehicles used to build transit.



Fun fact: A hydrovac can hold over 1,500 gallons of water!

Fun fact:
An average front loader can carry up to 1.6 tonnes of dirt!



Safety Moment

How do you stay safe in your community?



**1. Stand
behind the
yellow line**

**2. Mind the
gap**

3. Be alert



PERSONAL PROTECTIVE EQUIPMENT (PPE) SAFETY ON THE CONSTRUCTION SITE

Hard Hat

Hard hats or safety helmets protect from possible head injury due to falling debris and other related incidents.

Construction Vest

Every construction personnel wears a reflective safety vest to protect them from possible hazard due to lighting, weather changes, and other risks to enhance their visibility on site.

Protective Boots

Safety boots with steel toe cap coverings and soles protect feet from possible injuries.

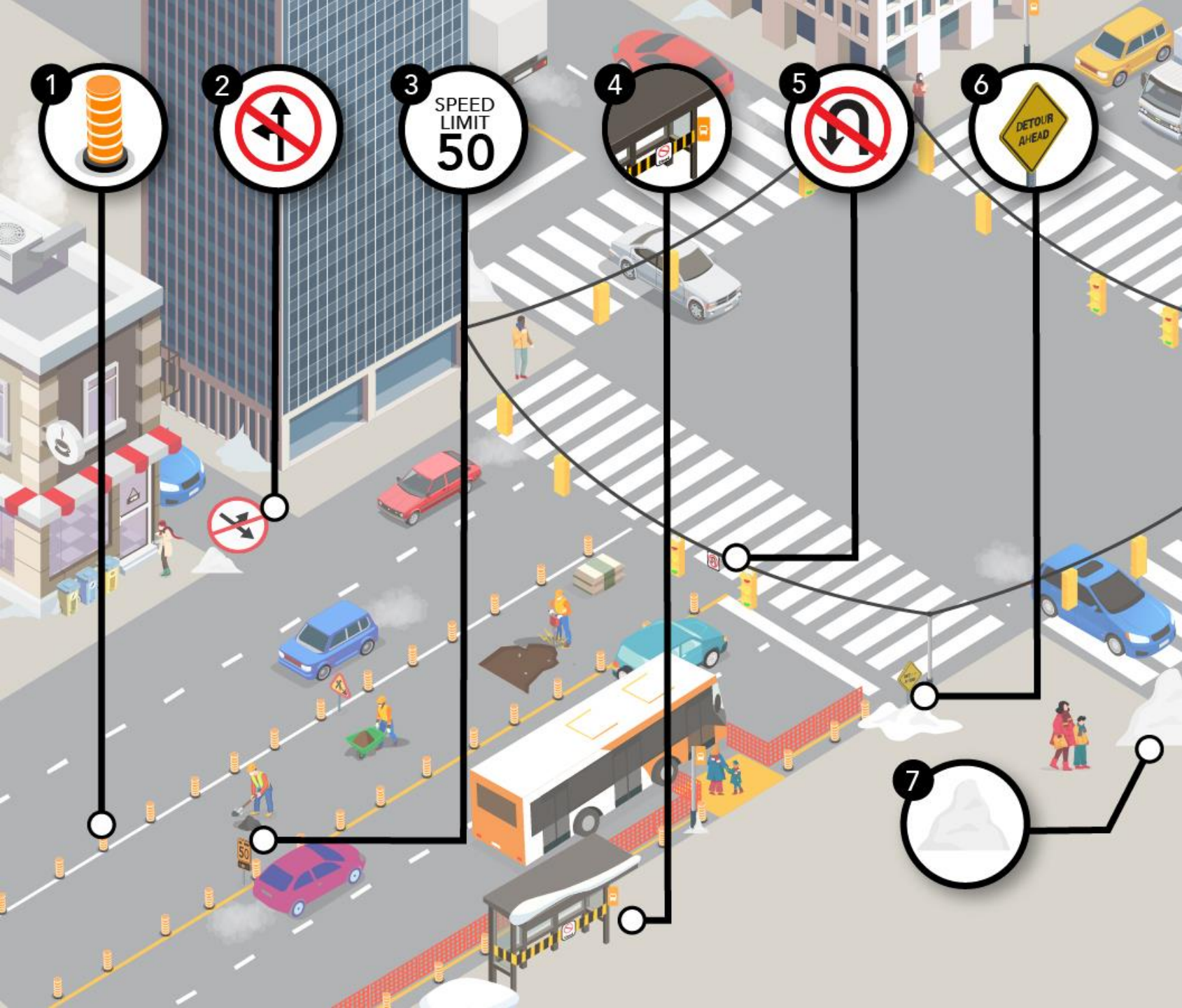


Safety Glasses

Safety glasses or goggles reduce the potential risk of exposing the eyes and face from hazards.

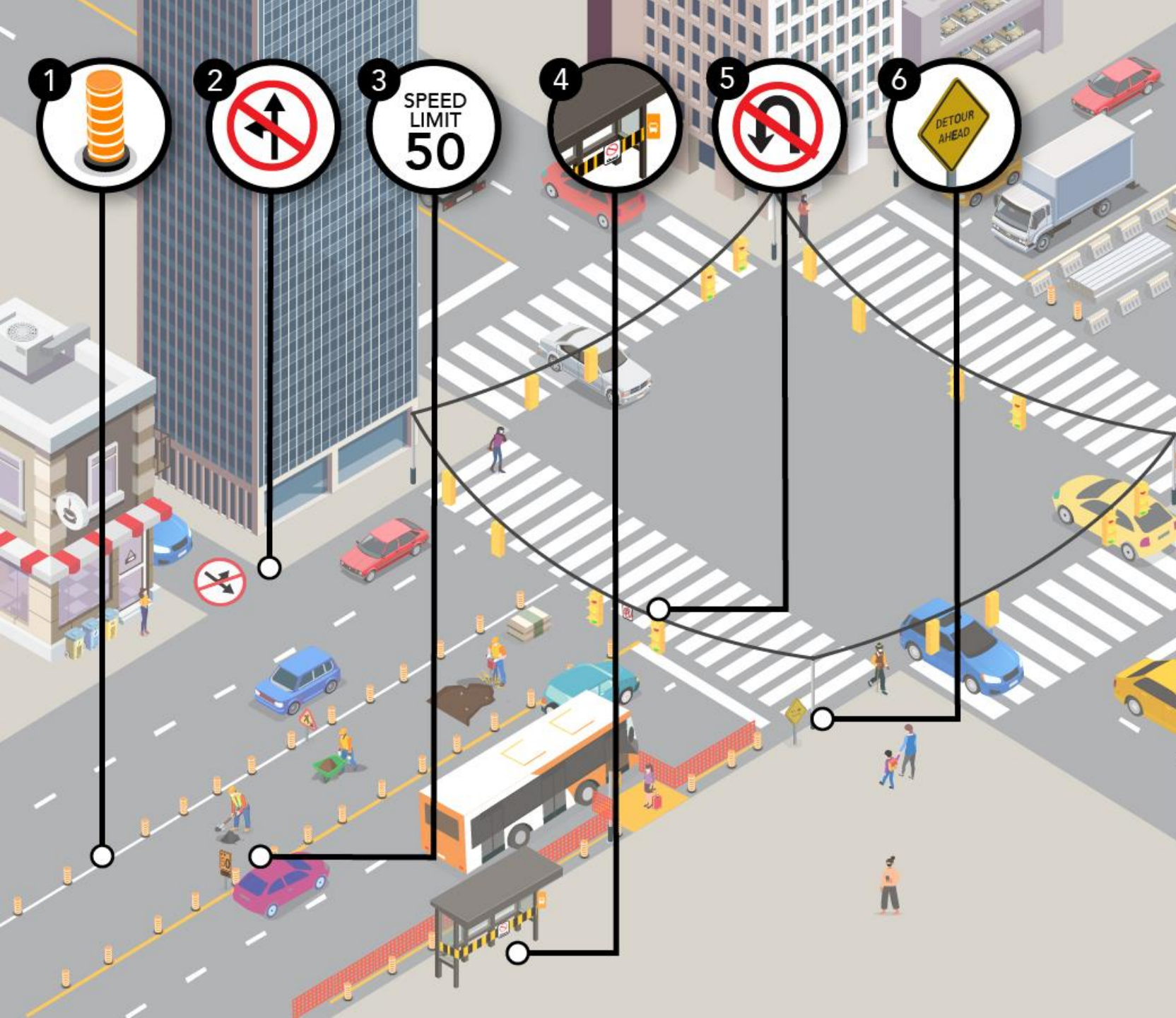
Gloves

Safety gloves protect personnel when handling rough, sharp and excessive coarse materials.



SAFETY AROUND CONSTRUCTION

- 1 Traffic barrels guide motorists around construction sites**
Traffic barrels indicate areas of active construction, do not cut through, move or relocate barrels.
- 2 No left turns permitted**
Left hand turns are prohibited in some areas along Hurontario Street due to construction. Signs will indicate turning restriction for motorists where applicable.
- 3 Be mindful of speed limits**
Speed limits are reduced to 50km near active construction sites to protect onsite workers.
- 4 Temporary bus platforms have been installed**
During construction, temporary bus boarding platforms have been installed for your safety. Wayfinding and bus stop markers direct passengers to the stop location.
- 5 No U-turns permitted**
U-turns are prohibited near active worksites for the safety of you and your passengers. Please pay close attention to signage prohibiting U-turns.
- 6 Pay attention to detours**
Signs directing pedestrians and cyclists safely around work zones have been placed near active construction sites.
- 7 Snow and icy condition**
Snow and ice can lead to hazardous conditions. Make sure to take your time and drive cautiously in such conditions. If walking, make sure to watch out for any slippery surfaces to avoid slips and falls.



SAFETY AROUND CONSTRUCTION

- 1 Traffic barrels guide motorists around construction sites**
Traffic barrels indicate areas of active construction, do not cut through, move or relocate barrels.
- 2 No left turns permitted**
Left hand turns are prohibited in some areas along Hurontario Street due to construction. Signs will indicate turning restriction for motorists where applicable.
- 3 Be mindful of speed limits**
Speed limits are reduced to 50km near active construction sites to protect onsite workers.
- 4 Temporary bus platforms have been installed**
During construction, temporary bus boarding platforms have been installed for your safety. Wayfinding and bus stop markers direct passengers to the stop location.
- 5 No U-turns permitted**
U-turns are prohibited near active worksites for the safety of you and your passengers. Please pay close attention to signage prohibiting U-turns.
- 6 Pay attention to detours**
Signs directing pedestrians and cyclists safely around work zones have been placed near active construction sites.

ROAD SAFETY

- 1 Be mindful of your surroundings**
Avoid distractions such as cellphones, headphones and other devices that take your eyes (and ears) off the road and pay close attention to nearby cyclists, pedestrians and vehicle traffic.
- 2 Be mindful of speed limits**
Obey speed limits, especially in school zones.
- 3 Don't text while travelling**
Avoid using cell phones and other distractions while driving, walking and cycling.
- 4 Wear a mask**
Make sure to keep a safe distance from others, and wear a mask when entering school property.
- 5 Watch out for school buses**
Always stop for school buses that are loading or unloading children.
- 6 Don't take shortcuts**
You may be directed around construction areas, pay close attention to signs and only cross the street at designated crosswalks and intersections.



TRAFFIC SAFETY SIGNS



Construction work ahead, be aware of changes



Pedestrian crossing. There may be an area pointing to the specific crossing



Traffic control person ahead. Drive slowly and watch for instructions



Road work ahead

WHAT DO THESE SIGNS MEAN?



SAFETY IS A SHARED RESPONSIBILITY

Construction, and construction vehicles are cool to watch in action, but it is NEVER safe to enter a construction zone! Can you point out why it would be unsafe?



SAFETY IS A SHARED RESPONSIBILITY



SAFETY AROUND TRANSIT

Recreation and the rail activities do not mix!

Listening to music or playing on a mobile device near the tracks can prevent you from hearing trains

When waiting on a train platform, stand well behind the yellow line

Staying behind it keeps you at a safe distance from oncoming or departing trains.

Don't run in front or behind a bus

Chasing after buses can lead to accidents and injuries. Please wait for the next bus.



SAFETY AROUND TRANSIT, CONT.

Mind the gap

Watch out for any gaps between the platform and the train when boarding and exiting.

If you find a hole in the fence along the rails, let us know!

Fences are there to protect you from the trains and tracks

Crossing tracks illegally can result in serious injury or even death

At railway crossings, use the designated crossings; they're designed to keep you safe. And never rush to cross ahead of a train.



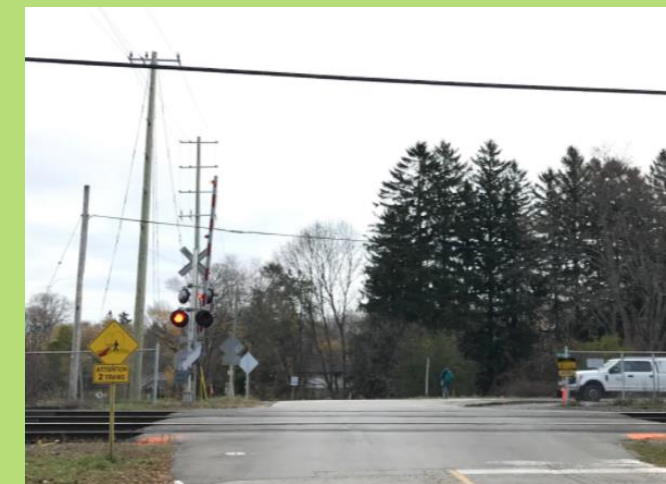
GO Bear and our Transit Safety Officers



Grade Crossings between Courtice Road



Track Specialists on the Lakeshore East GO Line



Grade Crossings near the Rouge Hill Bridge (Pickering)

SAFETY AT LEVEL CROSSINGS

What is a level crossing? A level crossing is where a railroad and a road cross at the same level. There are more than 50 of these on Metrolinx-owned corridors! Some are in the heart of the city, and others nestled along the green belt.

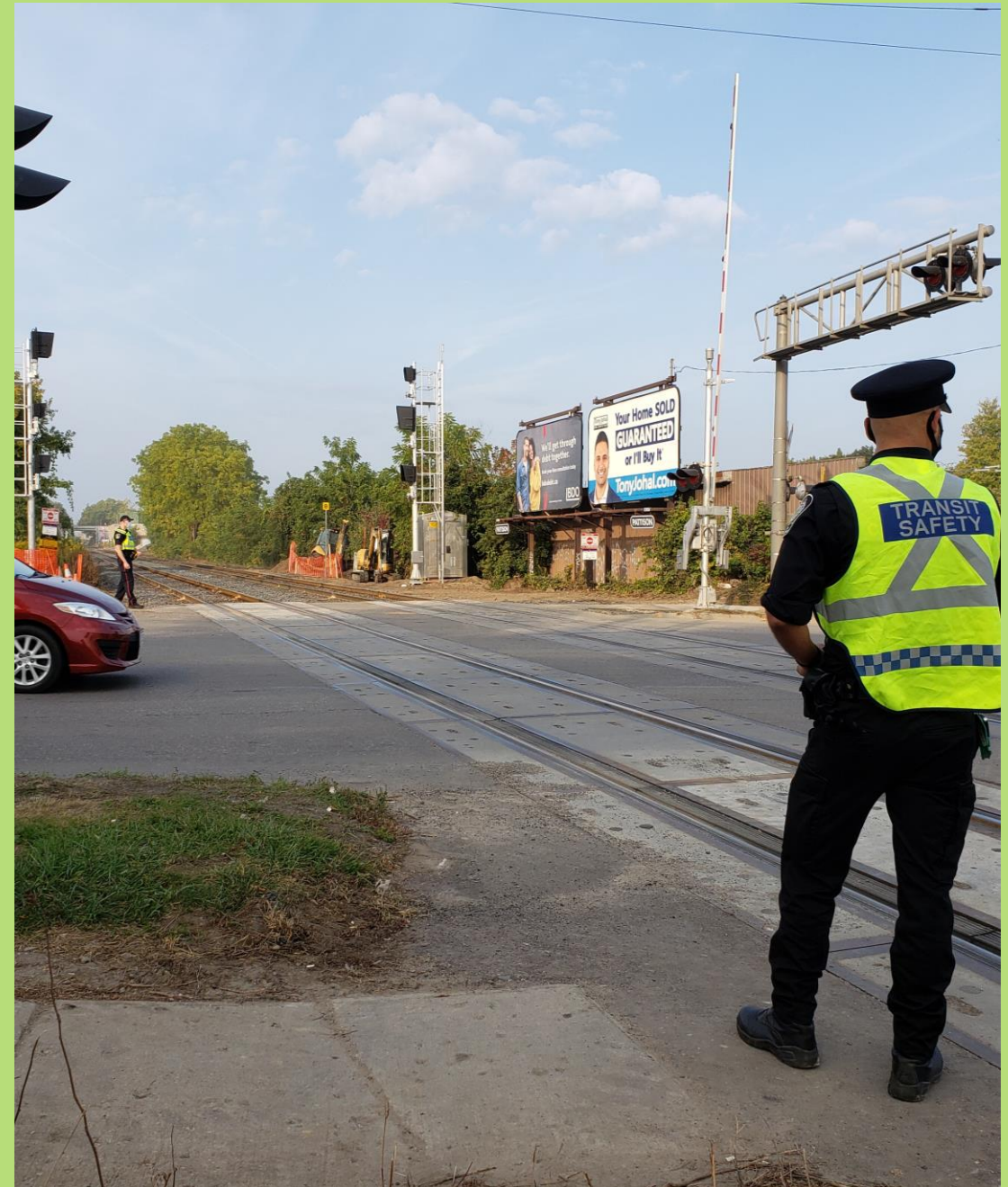


SAFETY AT LEVEL CROSSINGS

You can be seriously injured by crossing train tracks illegally! Remember, train time is anytime in any direction.

Keeping yourself safe

- Always use designated crossings
- Pay attention to signage and signals
- Never rush to cross ahead of a train



PICK THE RIGHT PATH ACROSS THE LEVEL CROSSING!



Abbey needs your help! Can you help her find the right path to cross the railway tracks?

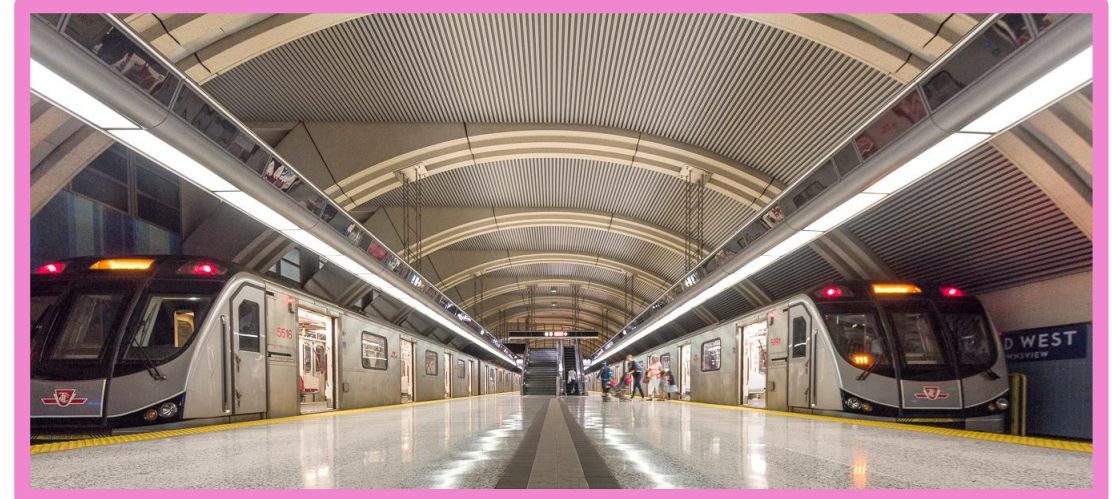
~~A) Abbey should go through the tree path to get over the railway tracks~~

B) Abbey should use the marked crossings to cross the railway tracks

~~C) Abbey go through the railway cars to cross the railway tracks~~

The correct answer is B! You can only cross railway tracks at marked crossings!

SUBWAY SAFETY



- Stay **well** behind the yellow line
- Be alert **stay off electronics** and keep headphones off
- Pay attention to door chimes and flashing lights warning of door closure. **Do not board the train once the chimes start ringing**
- **Do not go down to the tracks.** Notify a TTC uniformed employee if something is dropped on the tracks

LRT SAFETY

Safety tips are similar to train

BUT

the LRT shares the same road you drive, bike,
and walk on!

The rails are not always behind fences, or in its
own designated area
and entering the guideway is **prohibited at all
times.**

This means you must be **extra cautious** when
travelling around or across an LRT line



LRT SAFETY - CROSSING

- Cross the street at **designated** crosswalks or intersections
- Look both ways and obey traffic signals **at all times**

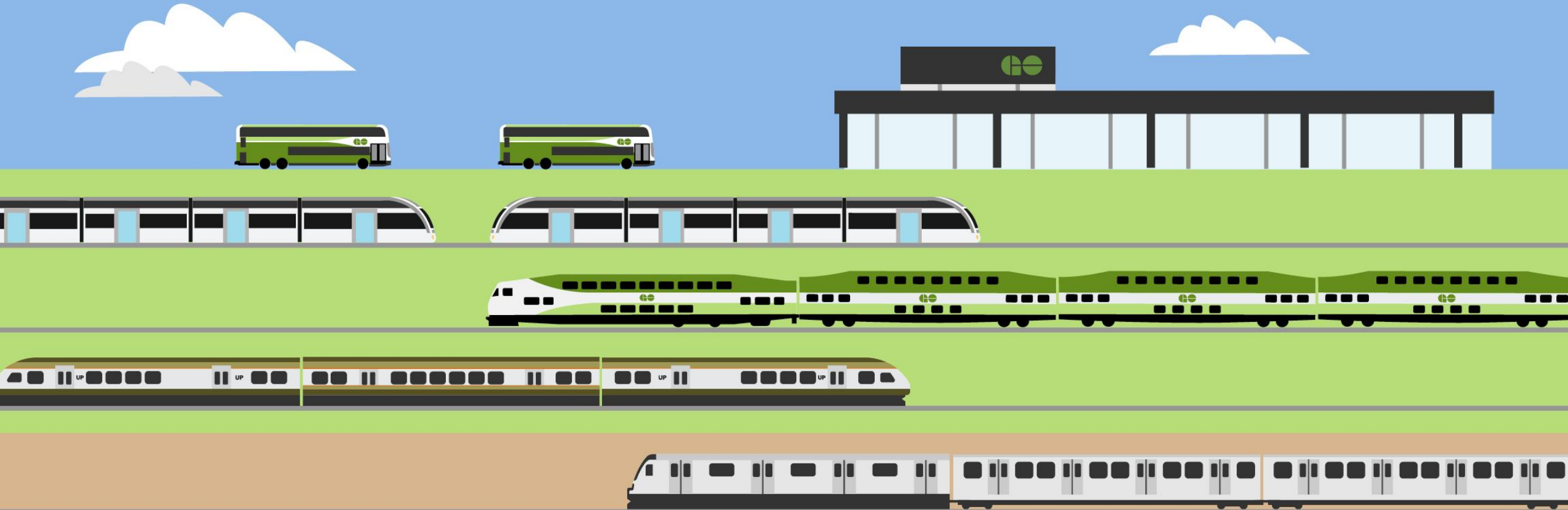
****transit has different signals than cars****

- Wait for the walk signal and for **ALL** traffic to come to a complete stop before crossing
- Stay off your phone/ electronics while crossing to stay **alert!**



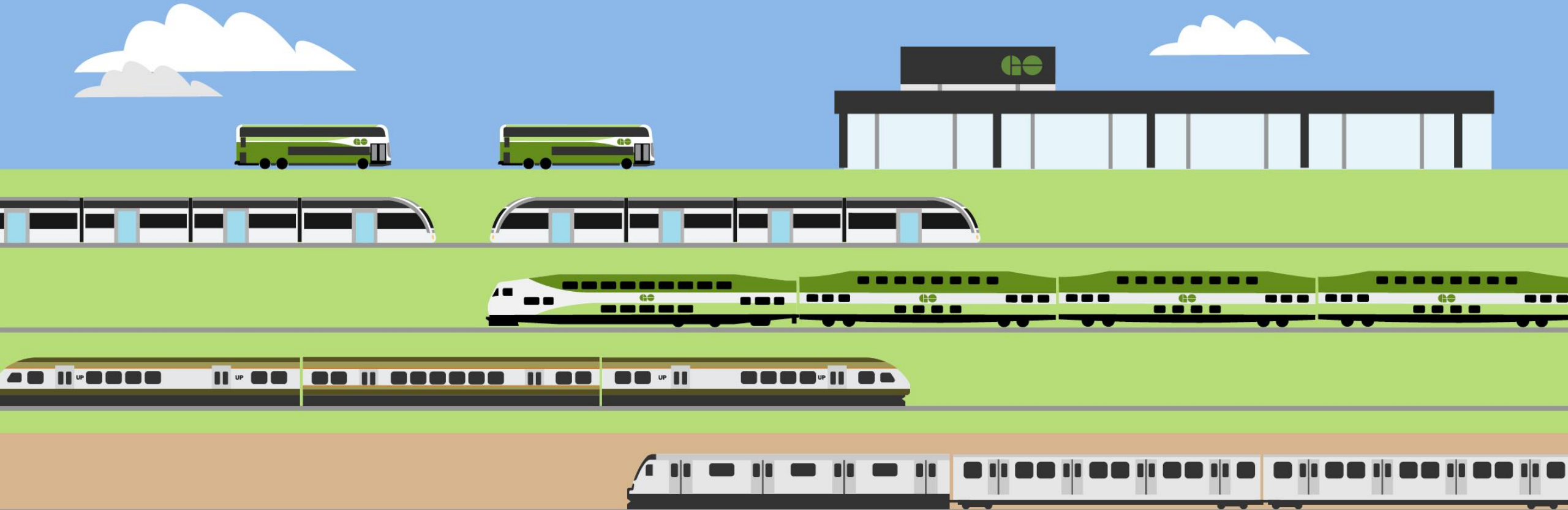
IF TRANSIT COULD TAKE YOU ANYWHERE, WHERE WOULD YOU GO?

ACTIVITY: USE YOUR IMAGINATION AND DRAW YOUR DREAM LOCATION AND THE TRANSIT YOU WOULD TAKE TO GET THERE!

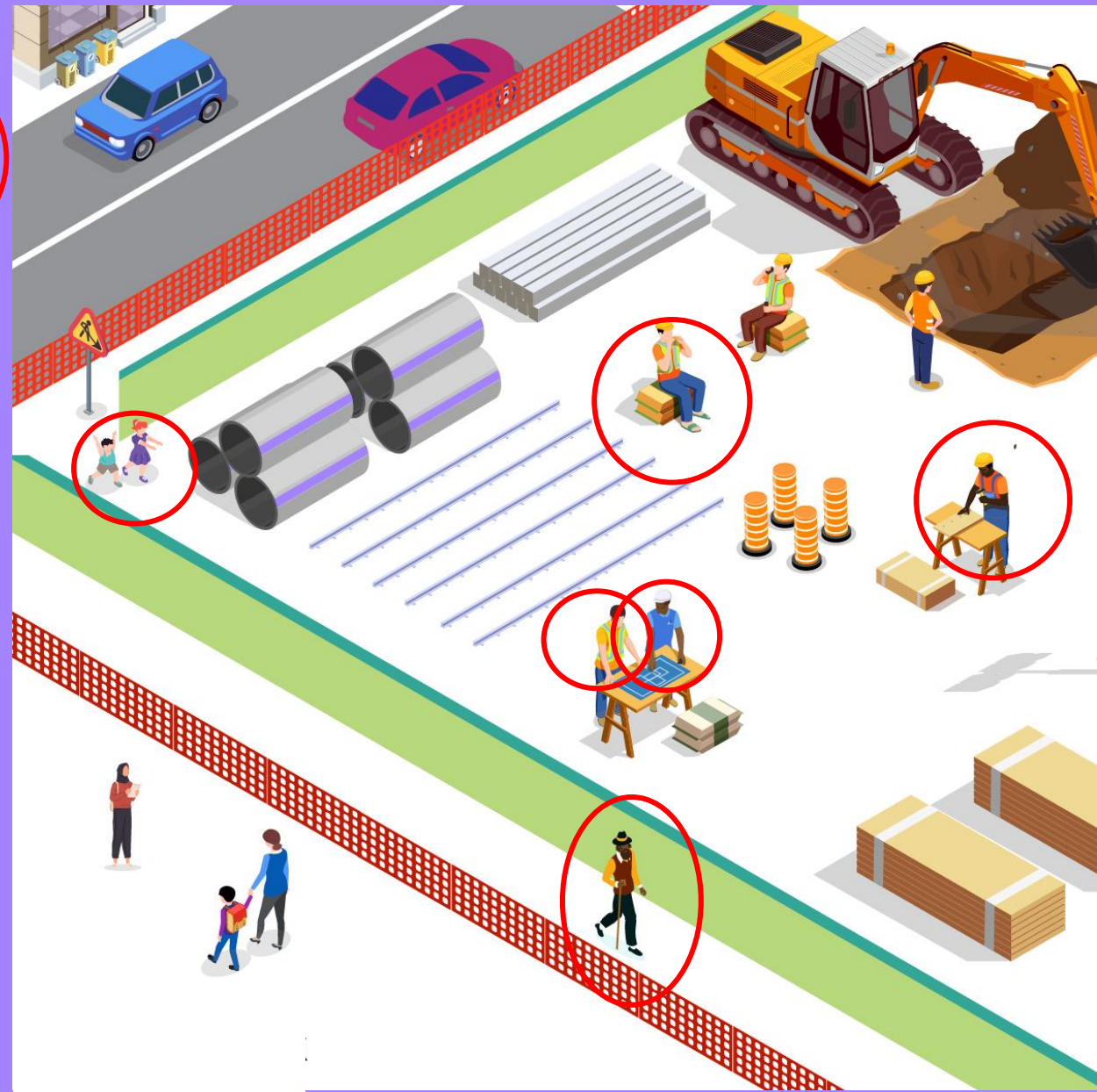


FIND THE SAFETY MOMENTS!

ACTIVITY: CAN YOU SPOT ALL THE SAFETY ISSUES IN THIS PHOTO? TAKE A CLOSE LOOK AND RAISE YOUR HAND TO POINT OUT ANY HAZARDS YOU NOTICE!

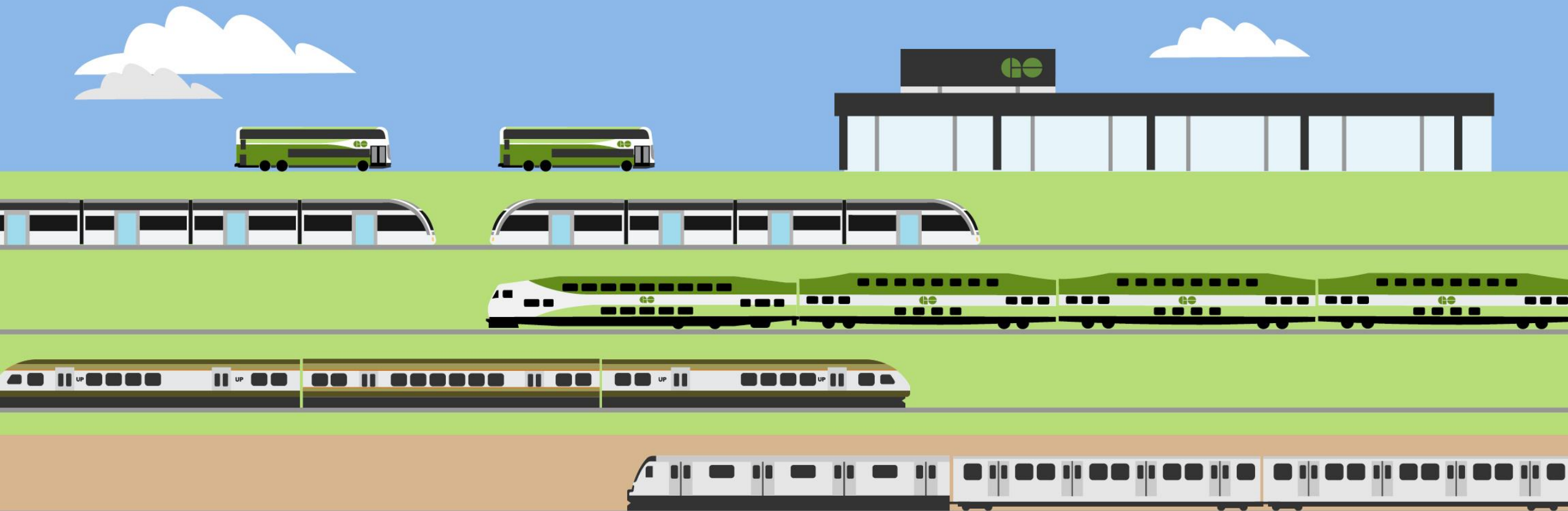


ANSWER: WHAT ARE THE SAFETY MOMENTS HERE?



TRIVIA!

ACTIVITY: GET READY FOR A FUN AND ENGAGING ROUND OF METROLINX TRIVIA! FORM YOUR GROUPS OR TEAMS, TEST YOUR KNOWLEDGE, AND SEE WHO COMES OUT ON TOP!



TRANSITTRIVIA

1

2

3

4

5

6

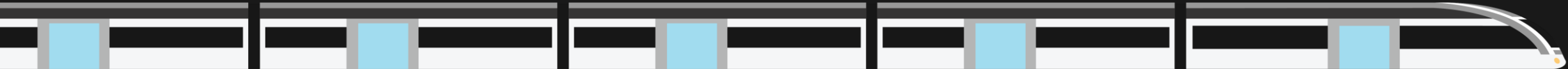
7

8

9

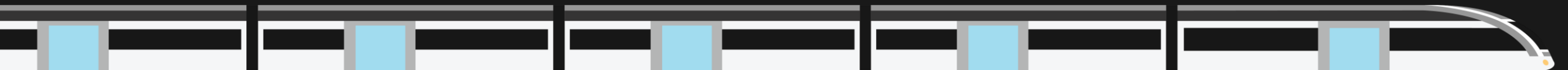
10

 **METROLINX**



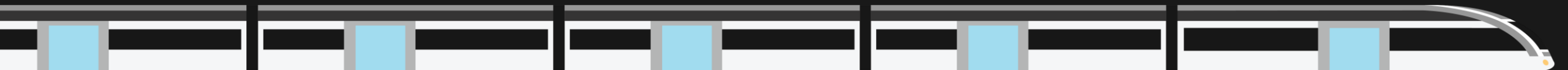
QUESTION 1

What are the three levels of government involved in building transit?



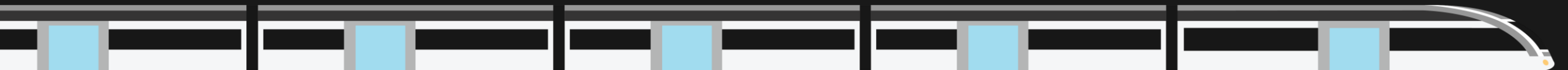
QUESTION 2

What level of government does Metrolinx belong to?



QUESTION 3

What kind of transit does Metrolinx build and operate?



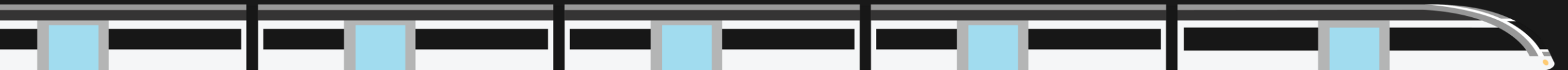
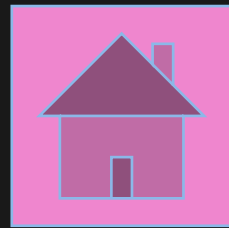
QUESTION 4

Why do we need to build transit?



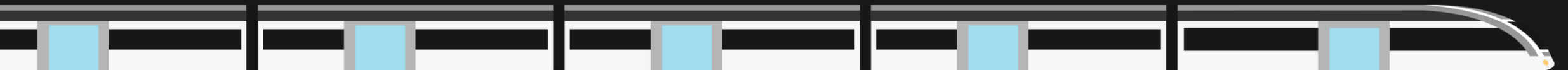
QUESTION 5

Who is involved in building transit?



QUESTION 6

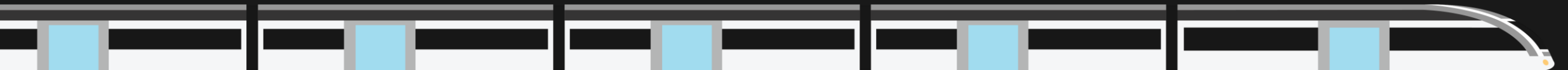
Name one construction machine involved in building transit.



QUESTION 7

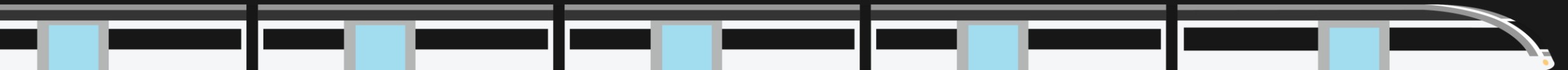


What does this sign mean?



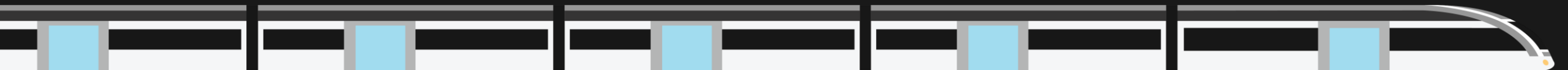
QUESTION 8

**Tell us one safety hazard
seen on the presentation
earlier!**



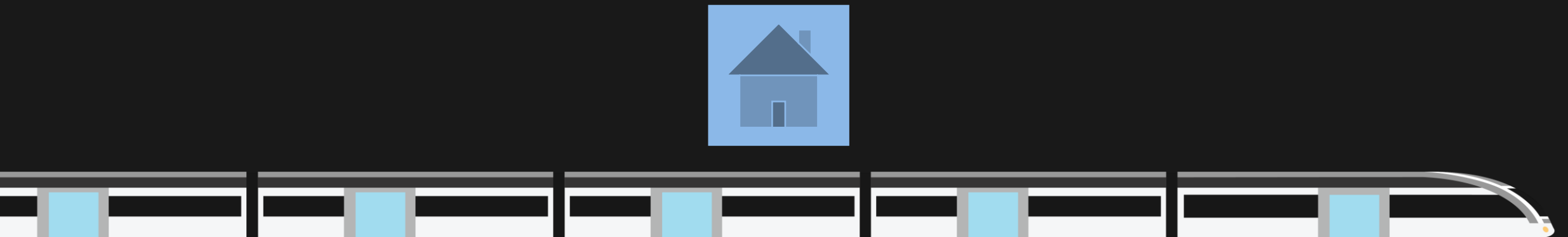
QUESTION 9

What does the saying, "anytime is train time" mean?



QUESTION 10

What is one way you can stay safe while using transit?



Questions?

