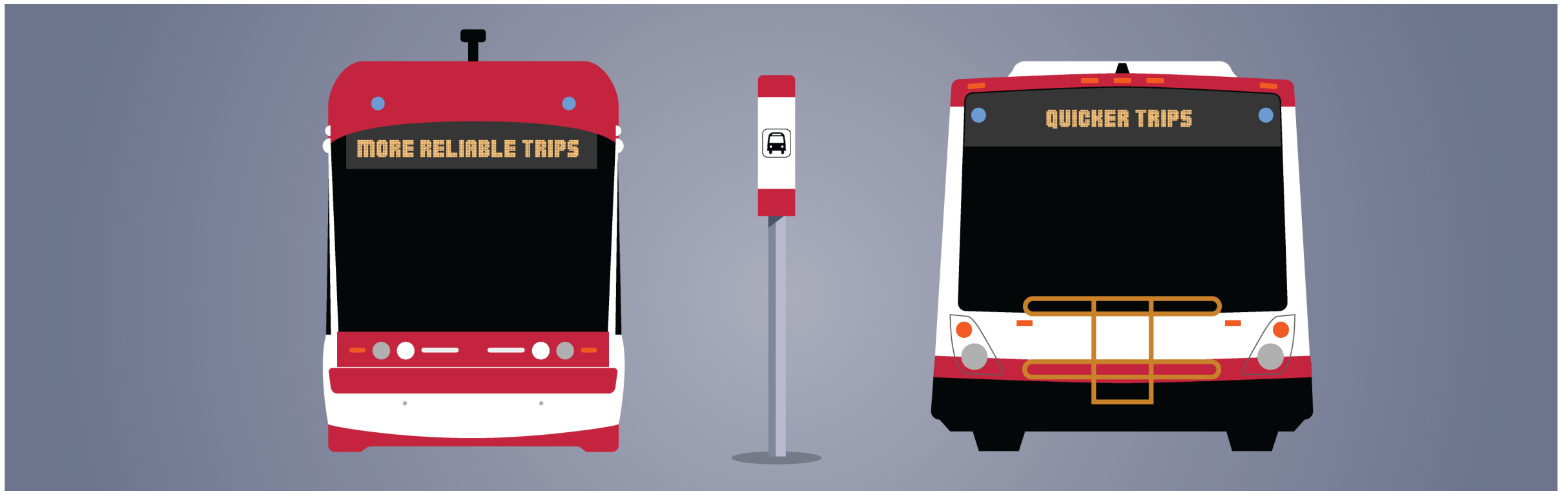


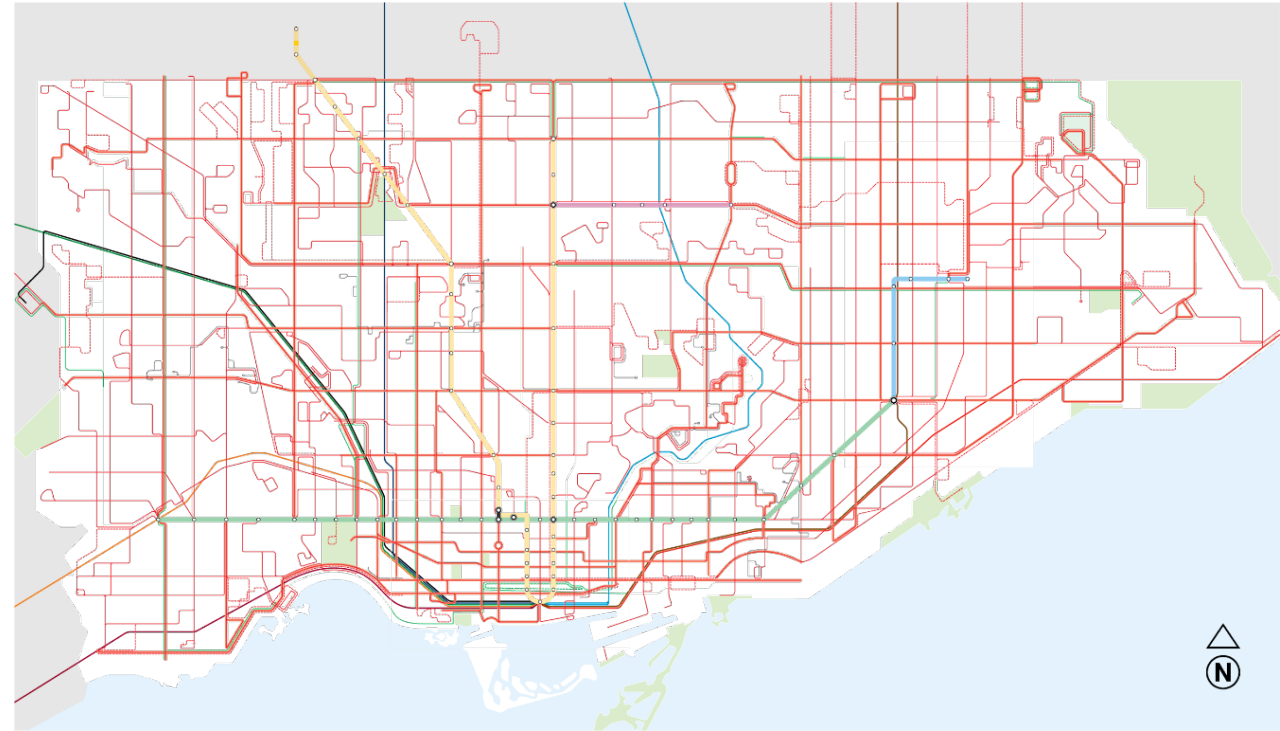
RapidTO: Bus & Streetcar Priority

Phase 1 Consultation (October to December 2021)



About RapidTO: Bus & Streetcar Priority

- The TTC and City of Toronto are developing a plan that **will deliver safe, efficient and equitable bus and streetcar service improvements** through transit priority solutions.
- **We want to hear from you!**



Current TTC public transit network map.

Problem: Slow & Unreliable Service

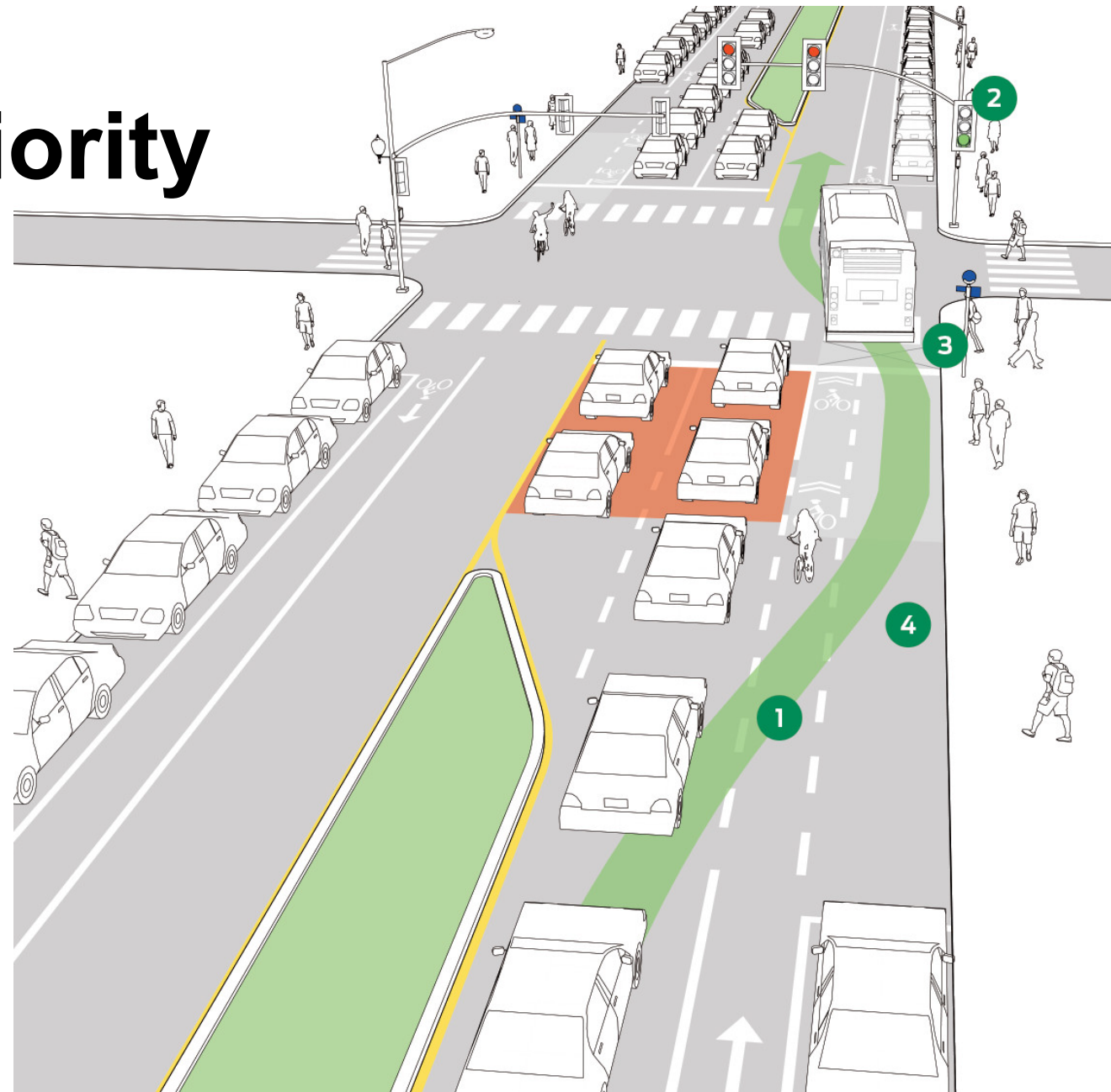
- **Bus and streetcar trips** make up the bulk of the public transit routes, with **70% of TTC journeys** requiring their use (2016).
- **Traffic congestion** significantly **impacts the speed and reliability** of buses and streetcars.
- **22% of buses and 34% of streetcars** experienced delays between January 2019 to February 2020.



Traffic congestion on Toronto's roadways.

Solution: Transit Priority

- Transit priority can make bus and streetcar service **more reliable, reduce delays and shorten travel times** on congested roadways.
- Transit priority also **provides relief on overcrowded** bus and streetcar **routes**.
- Generally **faster and cheaper** to build compared to subway and light rail options.



Approved Policies & Plans

- RapidTO: Bus & Streetcar Priority (RBSP) is supported by the **City's Official Plan** and **TTC's 5-Year Service Plan and 10-Year Outlook**, which set out to move more people faster with more reliable and comfortable transit services.
- The City's **COVID-19: Impacts & Opportunities** identifies RBSP as a recommended action as part of COVID recovery.



Supporting Toronto's Growth

- Toronto's Growth Plan (2020) forecasts **3.65 million people** and **1.98 million jobs** in the City of Toronto by 2051.
- As Toronto grows, the number of people who rely on transit increases, while **roadway space dedicated to transportation remains the same.**
- New strategies are needed to **move more people quickly and comfortably.**



View of the Toronto's ever-changing skyline from the Humber Bay.

Addressing TransformTO Goals

- RapidTO: Bus & Streetcar Priority will help **reduce vehicle use** and **reduce greenhouse gas (GHG) emissions**, particularly when electric buses are used on the routes.
- The TTC is currently in the process of expanding its electric fleet, which aims to be about **40–50% electric by around 2030**.
- It is more **energy and space efficient** when people use electric buses instead of personal motor vehicles.



36% of GHG emissions
in Toronto

are generated by transportation, with 80% of those emissions by personal motor vehicles



The TTC's 60 all-electric bus fleet is the largest fleet of electric buses in North America.

Addressing COVID-19 & Transit Equity

- RapidTO: Bus & Streetcar Priority will **support increasing ridership** after COVID-19, especially for the **city's most equity-deserving communities**.
- The City's **COVID-19: Impacts & Opportunities** report has identified that improving transit can help serve priority areas that need investment to **improve access to employment, healthcare and community services**.



Transit users boarding a crowded 35 Jane bus, which supports nine (9) of Toronto's most equity-deserving neighbourhoods.

What We've Heard in the Past

Through public engagement in previous projects, feedback to the City and TTC have included:

Improve **service reliability and speed**, particularly for buses and streetcars.

Improve the efficiency of transit vehicles by **giving them priority at signalized intersections**.

Improve **connections** between TTC routes and other transit providers.

Improve **transit stop customer comfort and spacing**.

Consider community context and **engage local residents** to ensure solutions meet the community's needs.

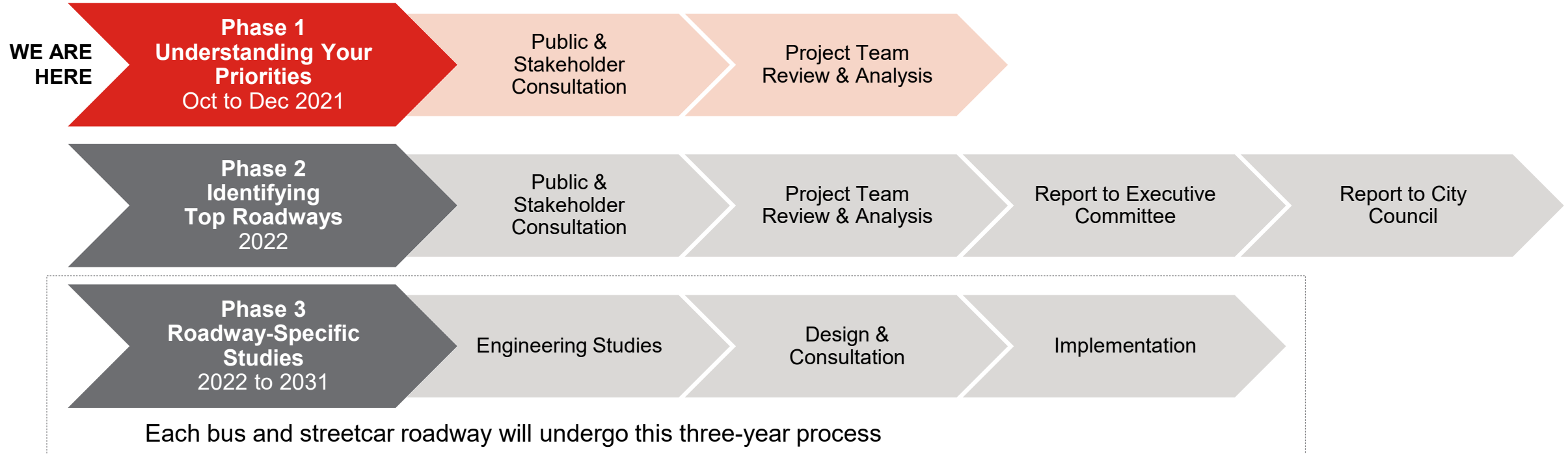
RapidTO Consultation Process

The TTC and City of Toronto will engage the public through a three-phased consultation to develop and deliver RapidTO: Bus & Streetcar Priority.



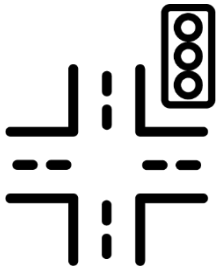
Decision-Making Process

Together with feedback received through public and stakeholder engagement and technical analysis (Phase 1 & 2), the City of Toronto and the TTC will identify the roadways where transit priority solutions will be studied, evaluated and delivered over the next 10 years (Phase 3).

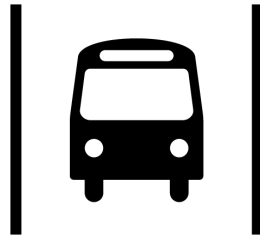


Transit Priority Solutions

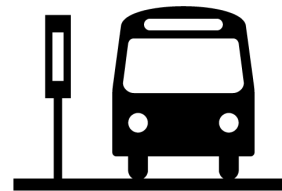
- Transit priority solutions can make our transit system **more reliable, reduce delays and make transit travel times shorter.**
- Transit priority solutions can help **remove** some of the **congestion impacts** to our bus and streetcar routes.
- The transit priority toolbox of solutions include, but are not limited to:



Intersection &
Signal Improvements

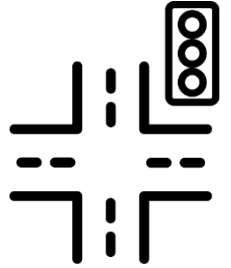


Bus Lanes



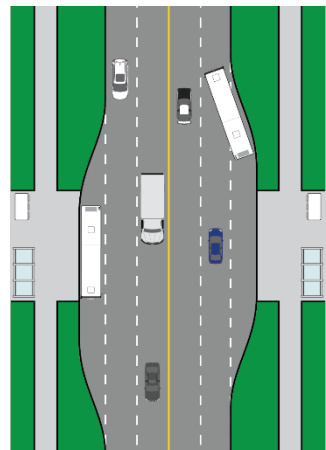
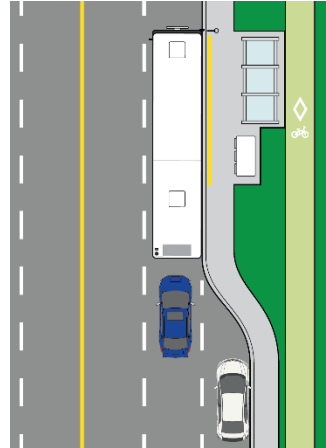
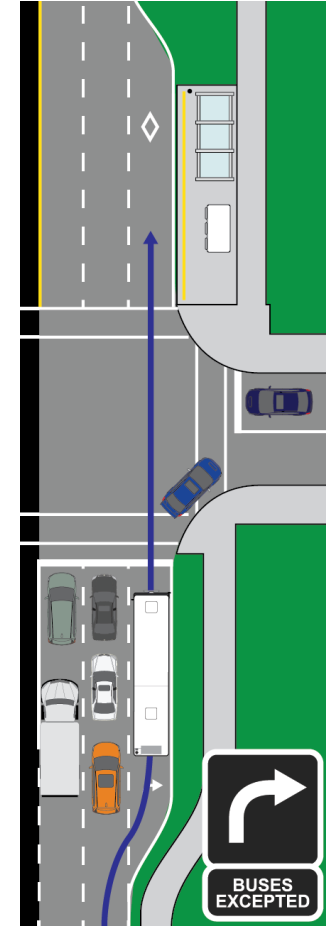
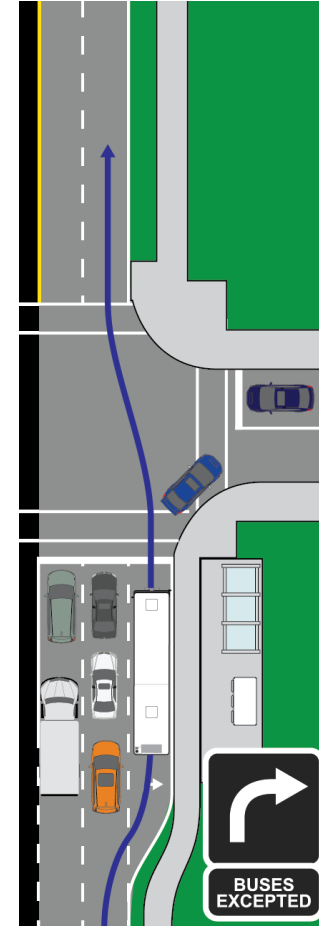
Customer Comfort
Improvements at Stops

Transit Priority Solutions: Intersection & Signal Improvements



Examples of Intersection & Signal Improvements include:

- Queue jump or bypass lanes
- Transit signal priority
- Traffic signal coordination
- Bus bulbs or bus bays
- Near or far side stops
- Signs and pavement markings
- Pedestrian crossing facility



Illustrations: Metrolinx

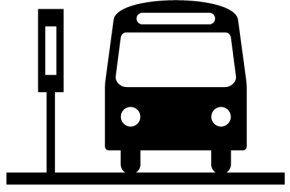
Transit Priority Solutions: Bus Lanes

Examples of Bus Lanes include:

- Curbside bus lanes
- Offset bus lanes
- Contra-flow bus lanes
- High-occupancy vehicle (HOV) lanes
- Transit malls

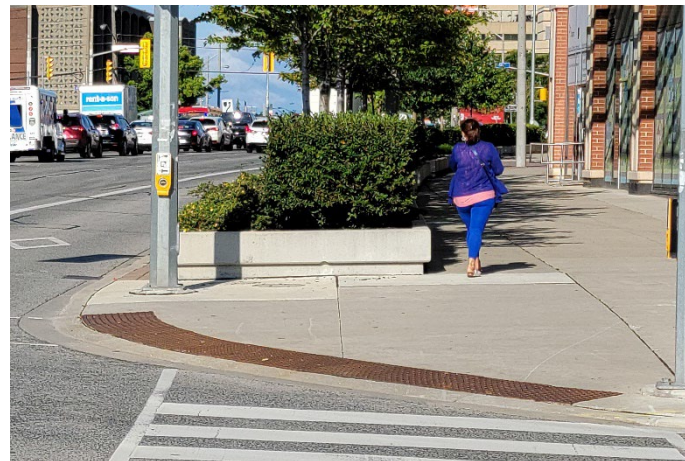


Transit Priority Solutions: Customer Comfort Improvements at Stops



Examples of Customer Comfort Improvements at Stops include:

- Transit shelters
- Accessible ramps (streetcars)
- Real-time transit arrival panels
- Lighting around transit stops
- Street furniture (e.g. benches, newspaper boxes and litter boxes)
- Wide, evenly-paved areas for boarding
- Connections to sidewalk
- Tactile walking surface indicators and curb cuts
- Ring and post bicycle stands



Example: Eglinton East Bus Lanes

- **8.5 km priority bus lanes** along Eglinton Avenue East, Kingston Road and Morningside Avenue from Brimley Road, through to the University of Toronto Scarborough Campus.
- One of the TTC's **most heavily used routes** that also **serves** seven of Toronto's most **equity-deserving neighbourhoods**.
- Conversion to bus lanes **benefits 47,000 bus passengers every day** with faster, more reliable service.



RapidTO: Priority Bus Lanes are identified using red surface paint.

Example: Eglinton East Bus Lanes Highlights



Transit

Travel Times



1–2 minutes

decrease in transit travel times during the **AM peak**



1–5 minutes

decrease in transit travel times during the **PM peak**

Reliability



12%

average increase in reliability



Motor Vehicles

Travel Times



decrease in average travel times along the roadway

Traffic Volumes



decrease in average traffic volumes along the roadway and alternative routes

The data above was compared against baseline travel time, reliability and traffic volumes of May 2021. Transit and traffic data is posted on the City's Open Data Portal at toronto.ca/open.

Have Your Say: Understanding Your Priorities

The TTC and City of Toronto are looking for **feedback on what is important to you when choosing bus and streetcar roadways to prioritize as part of the plan**. Some factors we are considering are:



Connections

- Connections to existing rapid transit
- Connections to future rapid transit



Growth

- Population growth
- Job growth



Travel Experience

- Travel times
- Reliability
- Crowding



Ease of Implementation

- Implementation before 2026
- Implementation after 2026



Ridership

- Transit users



Other

- Suggestions received through public feedback during consultation



Equity

- Equity-deserving neighbourhoods

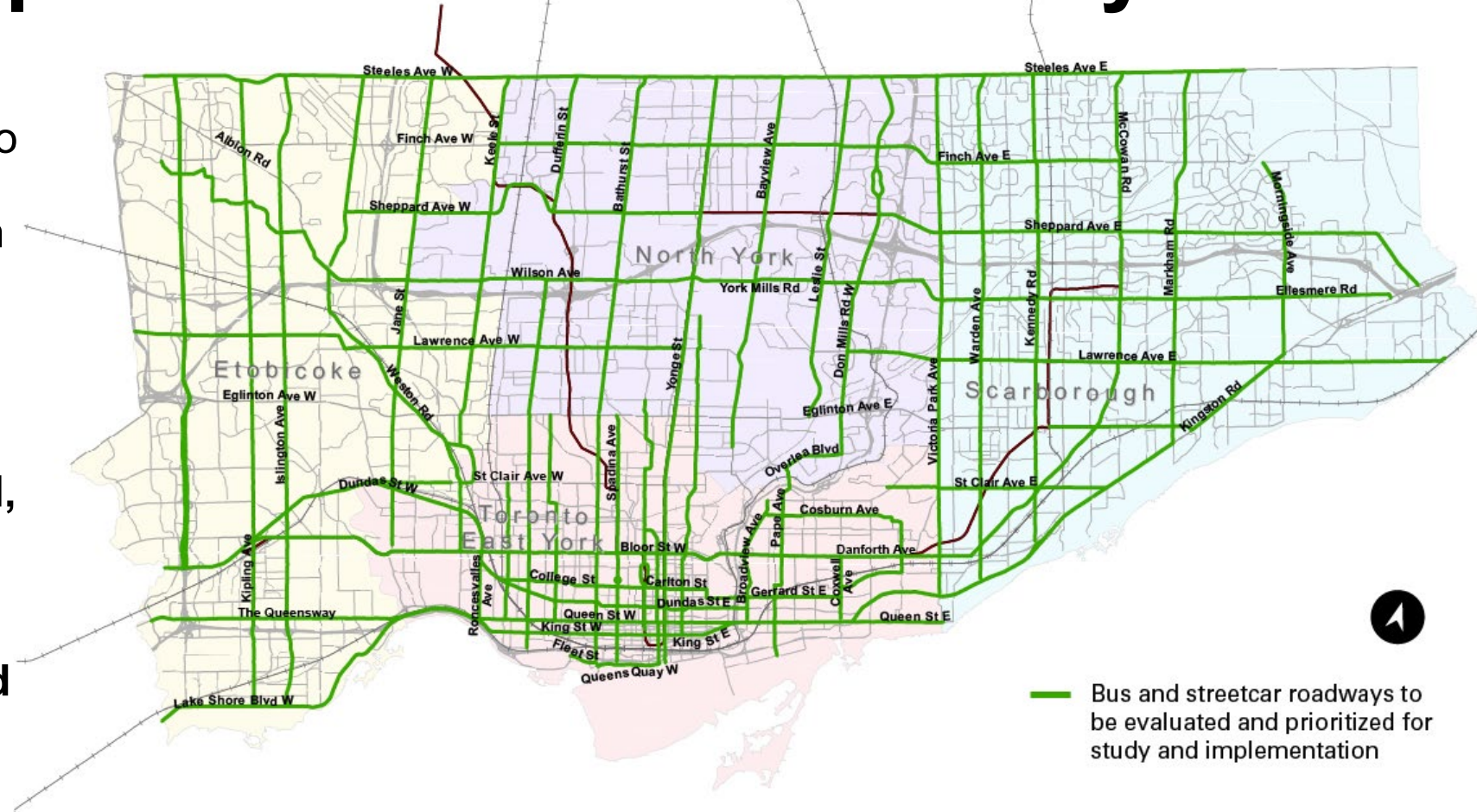


Safety

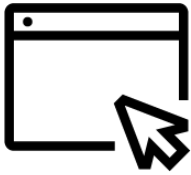
- Collision history

Evaluation Process: Identifying Top Bus & Streetcar Roadways

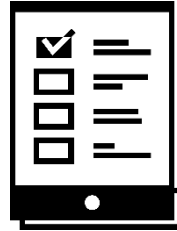
- Data supporting your priorities will be applied to bus and streetcar roadways that have been identified for transit priority evaluation.
- Based on the public feedback received, the criteria will be **prioritized, weighted and used to select which roadways should be studied, evaluated and delivered** as part of RapidTO: Bus & Streetcar Priority.



Get Involved



Visit **toronto.ca/RapidTO**
for more information



Complete the **online survey**



Subscribe to the
project email list

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Feedback Deadline:

November 28, 2021