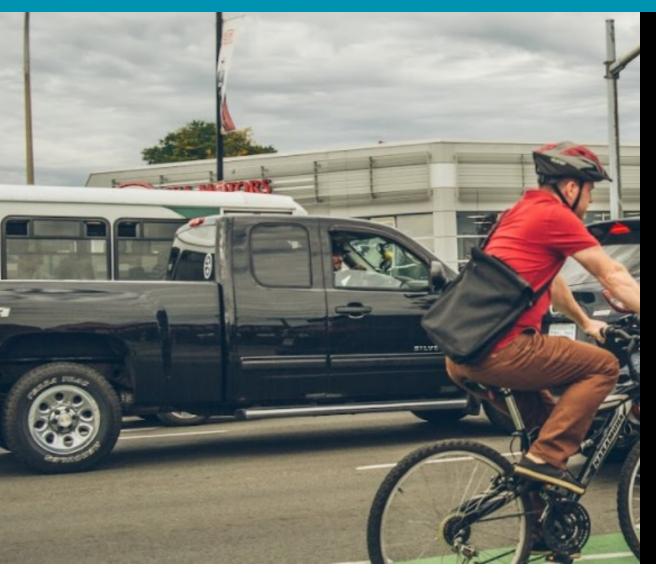


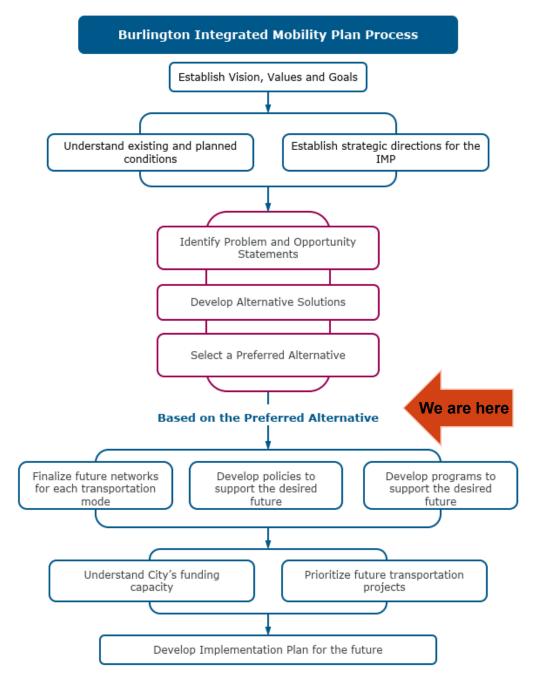
# Agenda



- Recap of IMP process and decisions taken
- Draft Problem and Opportunity Statements
- Individual Mode Plans
- Integration of plans feasibility screening
- Draft Preferred Integrated Network









### **Draft Problem Statements**



# Goal 1: Burlington will eliminate transportation-related deaths and serious injuries.

• We need to design our streets to safely serve all modes of transportation, including walking, cycling and transit.

Goal 2: Burlington's transportation system will be accessible and reliable for users regardless of factors like age, ability, income, or familiarity with the city.

- We need to design our streets to serve the needs of travelers of all ages and abilities.
- We will prioritize transportation projects that improve multimodal access and connectivity for more residents.



### **Draft Problem Statements**

# Goal 3: Burlington will provide high-quality transportation options to move people and goods wherever and whenever.

- We need better walking and cycling connections to transit stops and hubs.
- We need more safe crossings of highways, rail and creeks for people walking and cycling.
- We need to reduce transit travel times and improve traveler convenience to most destinations, particularly between neighbouring areas of the city.
- We need strong (i.e. fast and direct) transit connections to existing and future jobs.
- We need to improve transportation options for rural residents.

# Goal 4: Burlington will eliminate transportation-related carbon emissions.

- We need to reduce the percentage of trips made by car.
- We need to tap Burlington's unrealized potential for electric vehicles.





### **Draft Problem Statements**



Goal 5: Burlington's streets will support the intended roles of the communities they run through and help these communities be vibrant and prosperous.

- We need to redesign streets in key growth areas to prioritize walking, cycling and transit.
- We need to update our road designs to reflect the unique priorities of different areas and current thinking on urban street design.

Goal 6: Burlington will actively plan for the transportation changes of tomorrow while continuing to deliver great service today.

- We need to improve the resiliency of Burlington's transportation system.
- We need to better prepare for the future of mobility.
- We need to leverage and connect capital planning to asset management.



### **Individual Mode Plans Assessments**

- Strategic reviews of mode plans were completed for each mode (Transit, Cycling, Pedestrian, and Trucks)
- The strategic reviews considered each mode in isolation - "best case" for each individual mode





### Individual Mode Plan - Transit

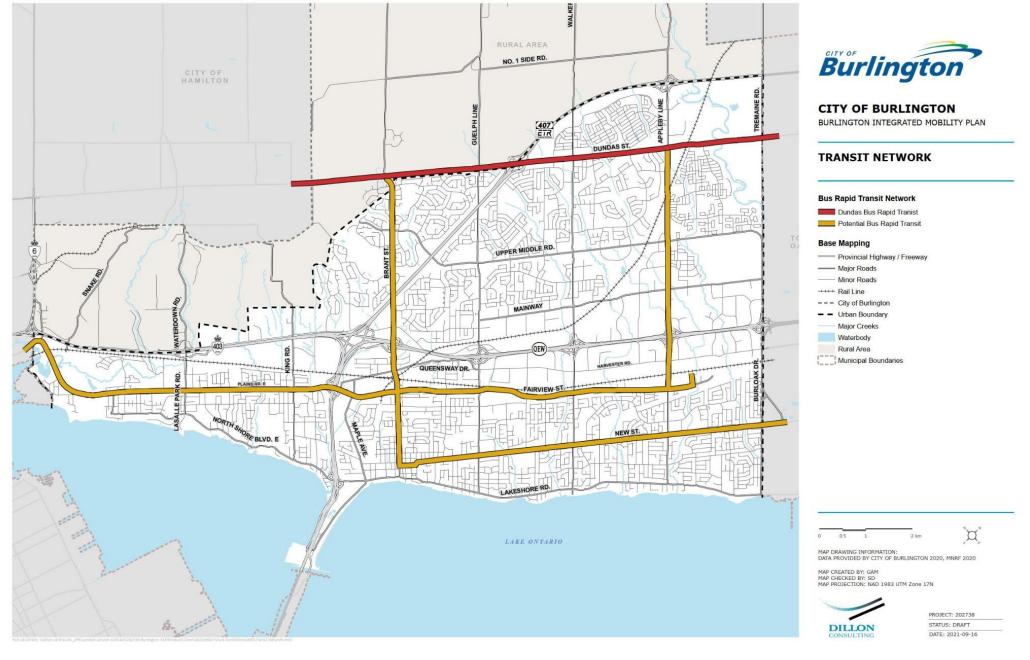
Transit mode share to increase from 3% to 15% by 2051 (12% for local trips and 20% for inter-municipal trips).

To accomplish this, Burlington needs:

- Identifies direct, high-frequency transit routes;
- Transit priority and Bus Rapid Transit along strategic corridors when supported;
- better access to transit from areas not currently serviced by Burlington Transit;
- Integration with GO Rail expansion and Dundas BRT corridor;
- Improved pedestrian and cycling connectivity to transit stops; Transportation Demand Management program;
- To continue to explore the replacement of diesel buses with low-carbon vehicles.









## Individual Mode Plan - Cycling

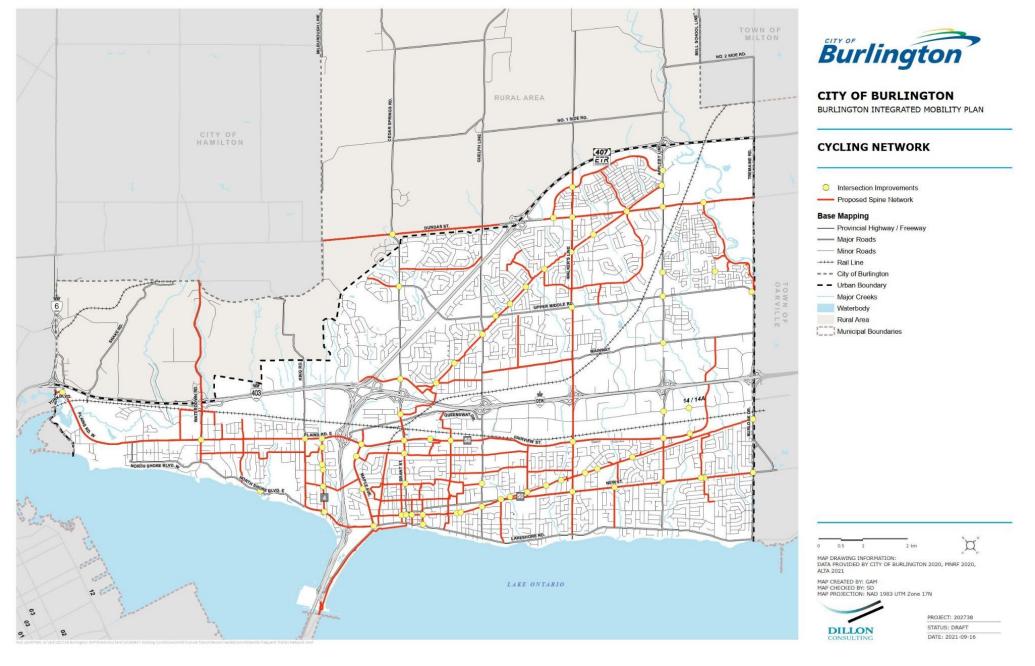
Cycling mode share to increase from 1% to 6% by 2051.

To accomplish this, Burlington needs to:

- Implement the Cycling Plan, emphasizing the spine network.
- Implement intersection improvements along corridors with bikeways
- a Transportation Demand Management program









### Individual Mode Plan - Pedestrians

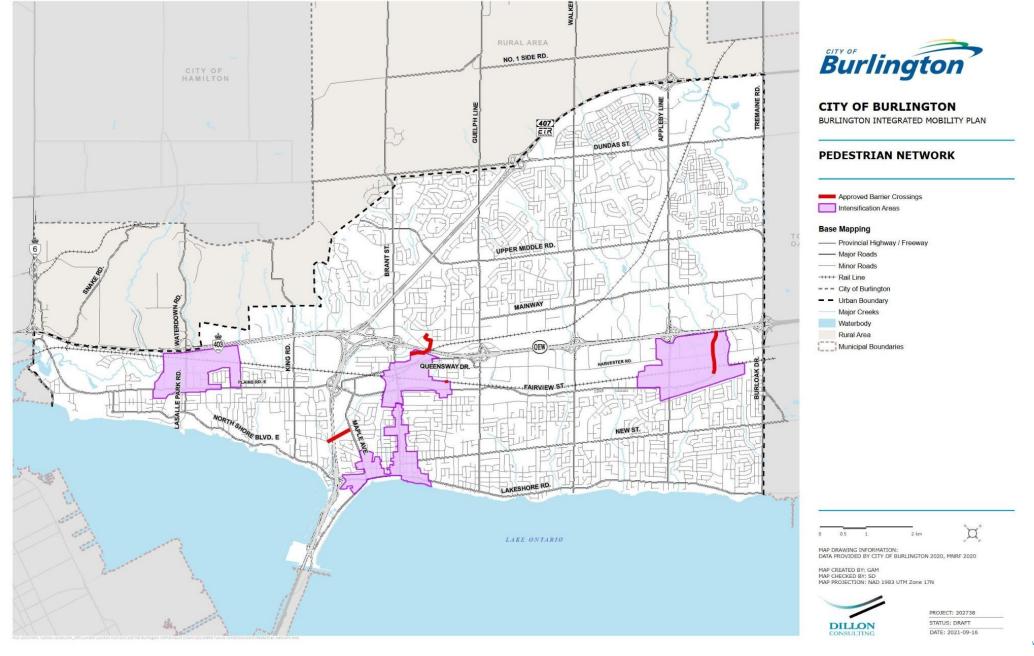
Walking mode share to increase from 5% to 9% by 2051.

To accomplish this, Burlington needs to:

- Continue to identify and fill in gaps in the pedestrian network;
- Invest in high-quality pedestrian facilities in high activity areas, specifically the MTSA and Downtown
- Prioritize improving pedestrian connectivity to transit stops;
- Create, implement and manage a Transportation Demand Management program to continuously support the needed shifts in mode share









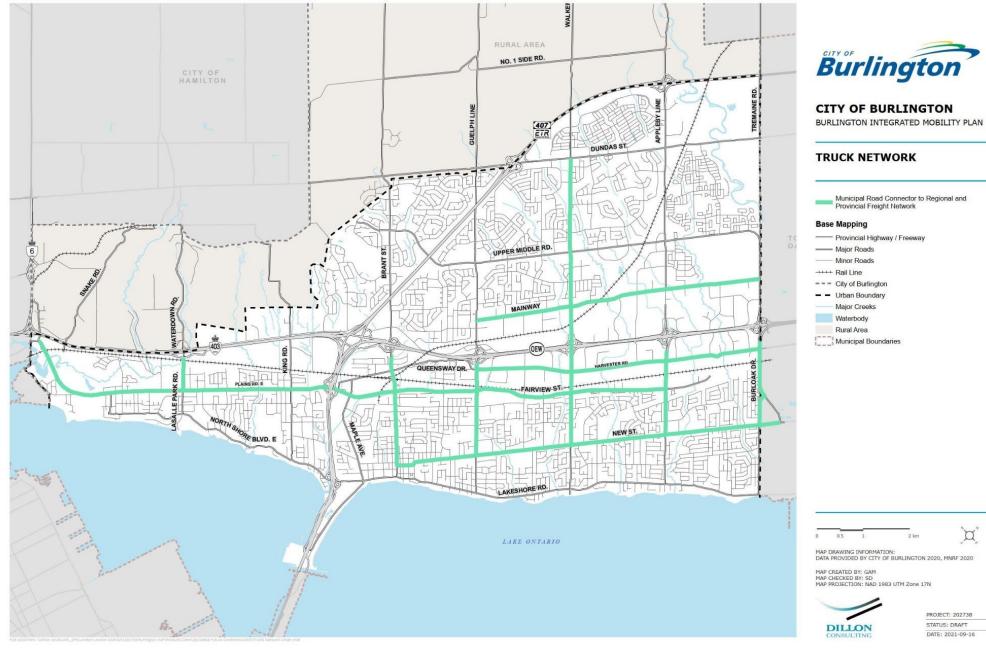
### Individual Mode Plan - Trucks

Key findings from recommendations from the Truck Mode Plan recommend that the City of Burlington:

- Physically separate vulnerable users from trucks in corridors with high truck volumes
- Prepare a Goods Movement Strategy following the IMP
- Prepare a Complete Streets Design Guideline following the IMP and emphasize the needs of trucks on key freight corridors









### Individual Mode Plan - Cars

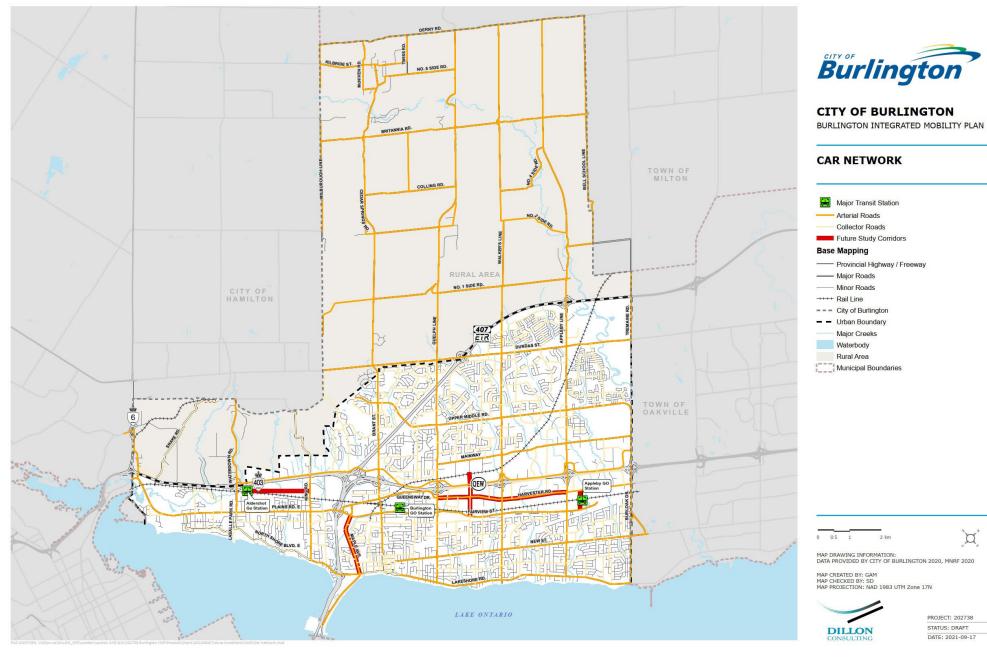
# Staff noted five corridors where operational concerns were known for review

- 1. Harvester Road (Guelph to Appleby)
- 2. South Service Road extension
- 3. Cumberland Avenue extension
  - Harvester to Pioneer Road (north)
  - Harvester to Fairview Street (south)
- 4. Maple Avenue (Lakeshore to Fairview)
- 5. New North-South connection between Fairview and Harvester

# Each corridor will need further study









PROJECT: 202738 STATUS: DRAFT

DATE: 2021-09-17

### **Preferred Sustainable Solution**

What are the parameters framing the Preferred Solution?





### **Preferred Sustainable Solution**

### **Key Attributes/ Characteristics of Sustainable and Integrated network:**

- Do not widen streets to increase car capacity
- Modify a select number of existing streets to resolve operational issues
- Extend new multimodal corridors into growth areas of the City were needed
- Develop a Frequent Transit network



### **Preferred Sustainable Solution**

### **Key Attributes/ Characteristics of Sustainable and Integrated network:**

- Consider widening streets or converting existing general traffic lanes to provide key dedicated transit corridors
- Develop a spine network of high quality cycling links designed to serve cyclists of all ages and abilities
- Improve the pedestrian environment in intensification areas
- Create new walking and cycling connections across barriers



## Integration of Networks

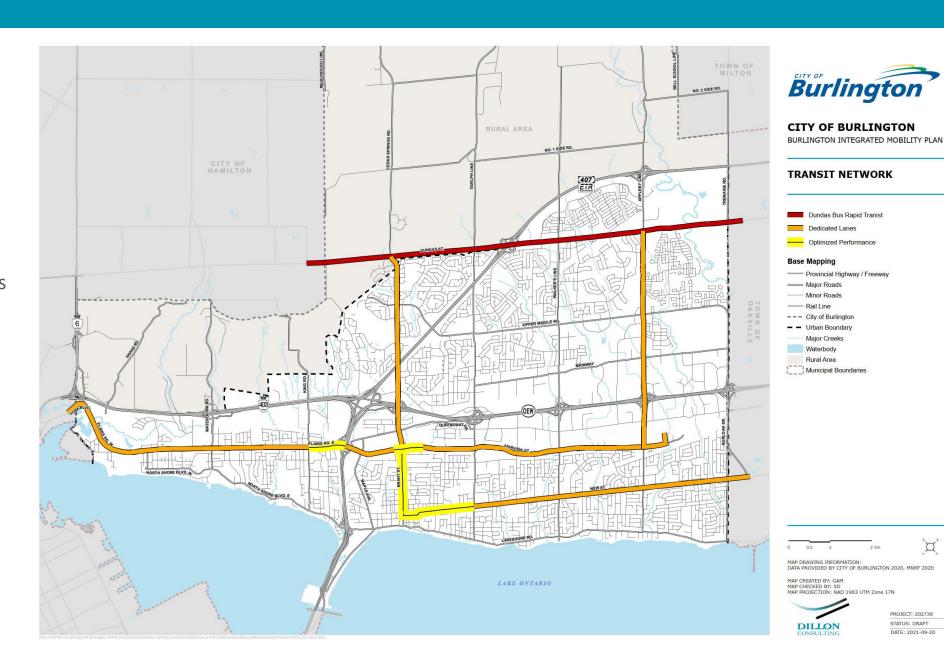
- All networks need to be integrated, as they occupy the same corridors and compete for space
- Tested impact of implementing BRT network on auto capacity
  - Want to avoid potential for gridlock
- Tested availability of ROW/ property to implement cycling projects
  - Without reducing existing vehicle lanes



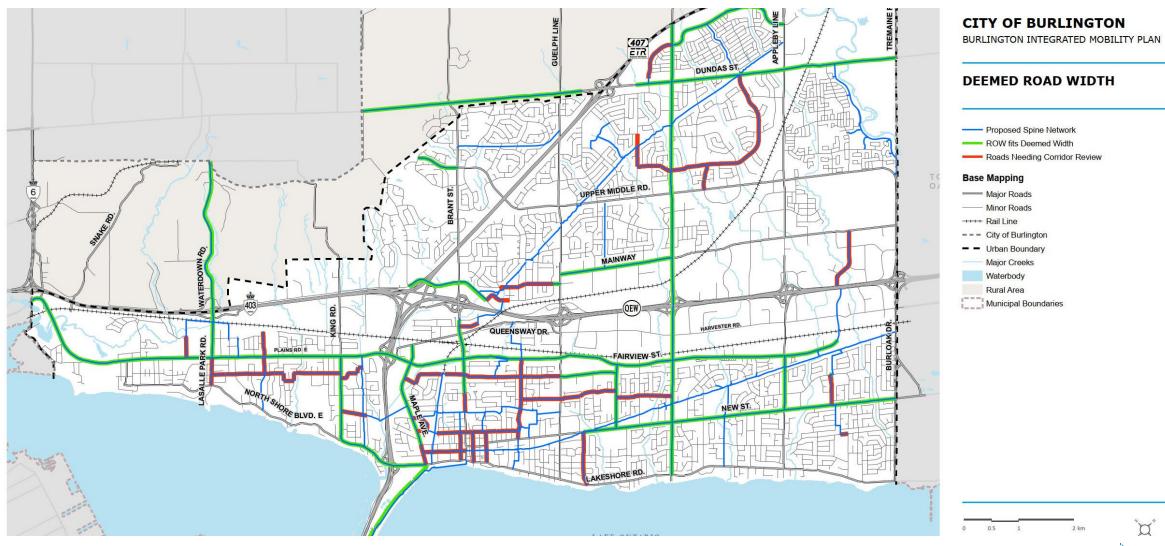


### 2031 Balanced BRT network

- Road Widening on BRT network (COMMITTED) for BRT lanes only
- Lane conversions for remainder of BRT network where > 4 lanes AND where there is available capacity (auto V/C <1.2)</li>
- No road widening for vehicles other than committed projects
- Sustainable mode shares to demonstrate the impact of the potential shift from current trends, even with the vehicle lane conversion



# Right of Way Analysis – Deemed Width





# **Integrated Network**



# Discussion

