

Mobility Network Assessment Prioritization Process

Strategic prioritization of infrastructure investment can help ensure that funding is allocated effectively. The Mobility Network Assessment prioritization framework seeks to identify locations where mobility investments best align with strategic direction. The prioritization process includes 3 steps.

1. Identify Locations for Potential Investment

An operational review of the mobility network identified that there is a long list of locations for potential investment. These locations include:

- Roadway segments and intersections with congestion and/or operational concerns
- Opportunities to improve transit speed and reliability, including new mass transit lines
- Existing gaps in the pedestrian and cycling network
- Locations with identified safety concerns

2. Evaluate Locations Based on Prioritization Criteria

Locations for potential investment receive scores for alignment with strategic prioritization criteria. Locations that demonstrate an opportunity to meet multiple objectives receive scores for multiple criteria and therefore receive higher overall scores. Details on the prioritization criteria are provided below.

3. Apply Additional Lenses of Review

While many elements of alignment can be evaluated through the scoring process, other elements cannot be easily quantified or scored. Because available data and modelling capability is limited, both equity impacts and greenhouse gas impacts were included in the process as additional lenses on the final results. This review includes an assessment of the locations through these lenses and making any necessary adjustments to the prioritized lists.

Prioritization Criteria

A multi-departmental team, with consultant support, worked with the data available and strategic documents to develop prioritization criteria. Key strategic direction and data informing the prioritization criteria include:

- The City Plan
- The Bike Plan
- The Sidewalk Strategy
- Mass Transit Planning
- Transit Priority Measures Study
- The Safe Mobility Strategy
- 5 Year Life Cycle Management Plan
- Funded Project Lists

The following table includes the resulting prioritization criteria, including sub-criteria and how the criteria aligns with the Big City Moves identified in The City Plan.

Table 1. Prioritization Criteria

1. Transit Support	Description	How the investment aligns with and supports transit routes and mass transit plans.
	Sub-Criteria	<ul style="list-style-type: none"> ● Transit Priority Measures (TPM) Location (locations identified for potential transit priority measures) ● Bus Network Redesign Routing ● Mass Transit Semi-Exclusive Corridor ● Mass Transit Rapid Corridor ● Transit Centre/LRT Station Connectivity
	Strategic Alignment	<ul style="list-style-type: none"> ● Greener as we Grow ● Community of Communities
2. Active Modes Support	Description	How the investment supports improvements for people walking, rolling, and cycling.

	Sub-Criteria	<ul style="list-style-type: none"> • Missing links identified through the Bike Plan • Links identified on the missing sidewalk request list • Connections to mobility hubs identified through The City Plan and Mass Transit Planning for 1.25 million • Active connectivity to Transit Centres and LRT stations
	Strategic Alignment	<ul style="list-style-type: none"> • Greener as we Grow • Community of Communities
3. Roadway Operations	Description	How the investment affects vehicle traffic and goods movement.
	Sub-Criteria	<ul style="list-style-type: none"> • Primary Corridor • Principal Roadway • Secondary Corridor • Freeway/Expressway • Truck Route • Access to Major Employment Areas • Regional and Provincial Connectivity • Park and Ride Connectivity
	Strategic Alignment	<ul style="list-style-type: none"> • Catalyze and Converge
4. Synergies	Description	How the investment aligns with planned renewal work or other funded capital projects.
	Sub-Criteria	<ul style="list-style-type: none"> • Preliminary information on <ul style="list-style-type: none"> ◦ Minor renewal needs ◦ Major renewal needs • Future LRT • Other funded capital projects
	Strategic Alignment	<ul style="list-style-type: none"> • Rebuildable City • Catalyze and Converge
5. Safety Considerations	Description	How the investment aligns with the high injury network identified using the crash and equity analysis developed as part of the Safe Mobility Strategy.

	Sub-Criteria	<ul style="list-style-type: none"> • Motor vehicle serious injuries • Motor vehicle fatalities • Vulnerable user serious injuries • Vulnerable road user fatalities
	Strategic Alignment	<ul style="list-style-type: none"> • Inclusive and Compassionate
6. Development Support	Description	How the investment supports potential for high user growth and development of the city's nodes.
	Sub-Criteria	<ul style="list-style-type: none"> • Major Nodes (identified in The City Plan) • Minor Nodes (Identified in The City Plan) • Destinations serving low income residents (from the household travel survey data)
	Strategic Alignment	<ul style="list-style-type: none"> • Rebuildable City • Community of Communities