

1 Street S.E. Background Information

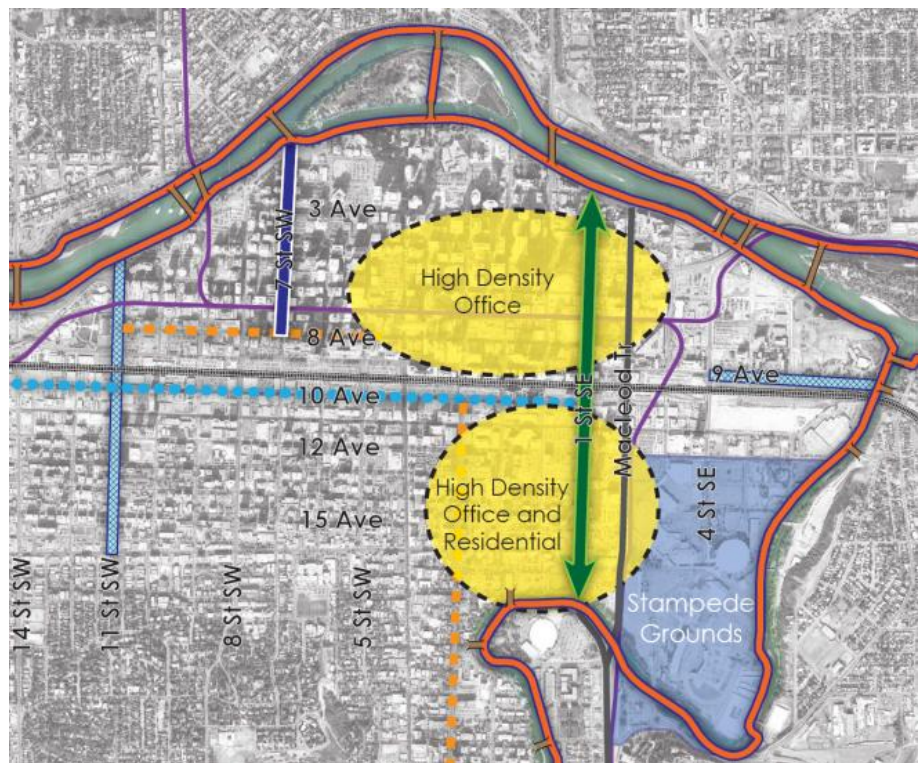


The proposed cycle track is a two-way bicycle route on the east side of 1 Street S.E. created by repurposing one traffic lane. A concrete median separates bicycle riders from traffic, increasing both actual and perceived safety.

Why 1 Street S.E. for Calgary's next cycle track

1 Street S.E. serves a number of key destinations. The major destinations and attributes of this corridor are:

- Connects the Elbow and Bow River pathways
- Travels under the CPR tracks
- Improves bicycle access in the east end of downtown
- Connects high-density office and residential areas (present and future)
- Accesses popular destinations:
 - Talisman Centre, Stampede, Cliff-Bungalow / Mission community, Sunterra Keynote, TELUS Convention Centre, Calgary Public Library, The TELUS and Bow buildings, Chinatown



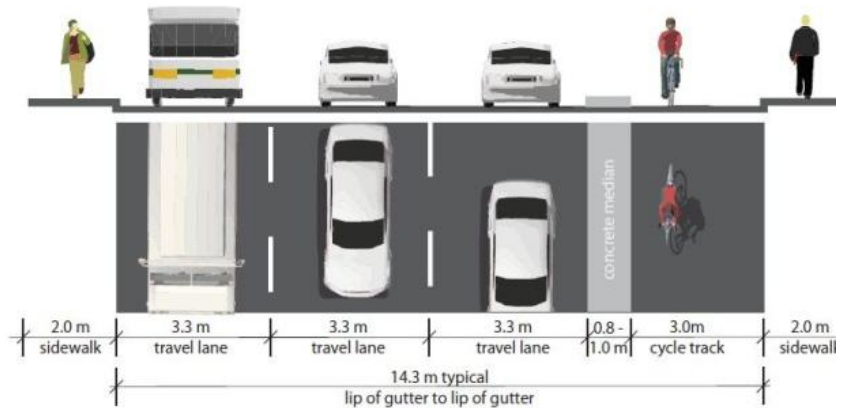
1,160 bicycles travel in the Macleod Trail/ 1 Street S.E./ 1 Street S.W. corridor every day- without any dedicated bicycle facilities.

This number is expected to double after the cycle track opens- and to grow 10-20% annually.

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Key facts about the 1 Street S.E. cycle track (Riverfront Avenue to Elbow River)

Length of roadway	1.7 km
Number of intersections	16 intersections
Number of signalized intersections	14 signalized intersections
New traffic signal proposed	1 new signal (Riverfront Avenue)
Number of driveways and alleys crossed	7 driveways and alleys crossed



	Before	After
Number of traffic lanes (Macleod Trail couplet)	8 lanes	7 lanes
Average lane width	3.5 m	3.3 m
Cycle track width	N/A	2.5 m to 3.0 m
Cycle track median	N/A	0.8 m (minimum) Varies depending on parking arrangement
Pedestrian space	N/A	Unchanged, except between Riverfront Avenue and 3 Avenue: 2.5m sidewalk reduced to 1.6m
Parking spaces (on-street)	77	72 anticipated (as the design progresses, the number of on-street parking spaces may change +/-)



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1 Street S.E. traffic statistics

The new road design will include three southbound lanes on 1 Street S.E. and one two-way cycle track. There are currently three southbound traffic lanes south of the Elbow River. Northbound Macleod Trail will maintain four travel lanes.



Traffic changes

	Before	After
Traffic operations	Meet acceptable traffic operation standards	Meet acceptable traffic operation standards
Protected Permissive Turns (left turns on green arrows and on solid green)	None on southbound 1 Street S.E.	+3 southbound left turns added on 1 Street SE (at 5, 9, 12 Avenue)
Travel time on 1 Street S.E.	4.5 minutes from 4 Avenue to 18 Avenue in the evening rush hour	Increase of 30-60 seconds in evening rush hour (other rush hours minimally affected)
Travel time on Macleod Trail		No Change
Conflict markings	None	Most alleys and driveways Intersections will have pavement markings

Mitigation strategies

A number of mitigation strategies can be used along 1 Street S.E. to address the repurposing of a traffic lane to a cycle track. The strategies include:

- Left-turn signals
- Signal timing adjustments
- Bicycle signals
- Conflict markings (shown)
- Vehicle and bicycle signs

