



Macleod Trail / 162 Avenue S Interchange

How the interchange will operate

The diverging diamond interchange (DDI) is designed in such a way that the two directions of traffic on 162 Avenue will briefly cross to the opposite side of each other on bridges over Macleod Trail.

This allows more effective traffic flow at the signalized intersections within the interchange, and for left-turning vehicles to proceed without crossing opposing traffic.

This design significantly reduces delay and improves efficiency compared to a more traditional diamond interchange.

Other benefits of the DDI include:

- consolidation of the pedestrian and cyclist corridor to the centre of the bridge resulting in more convenient pedestrian and cycling routes across the interchange
- less space required for interchange bridges
- increased capacity of turning movements to and from ramps
- free-flow left-turn movements from both directions on 162 Avenue to Macleod Trail northbound and southbound
- simplified traffic signal operations allowing for more efficient operation and less delay for traffic
- reduction in the number of points of conflict to help increase safety.

To view the video animations of the operation of this interchange, go to the top portion of the project webpage, www.calgary.ca/macleod162ave.