

CENTRAL LRT STATION REHABILITATION & JASPER AVENUE (100 ST TO 102 ST) STREETSCAPING

TRAFFIC ACCOMMODATION

The following alternative construction staging/traffic accommodation methodologies have been considered:

Alternative 1 — Full closure of Jasper Avenue between 100 Street and 102 Street allowing one lane of traffic in each direction north and south on 101 Street — for which the plan would be to complete work in the roadway by the end of the 2012 construction season in time for winter. Streetscaping work in the sidewalk would carry over into the 2013 season.

This provides the most unrestricted access to carry out the work and will be the more productive alternative, requiring less time, although it will direct most traffic onto other routes. In fact, during the afternoon peak this method would result in significant traffic delays of more than three times the current travel time in the Downtown network. In addition, for the afternoon peak period, the surrounding network would not support the traffic volume currently using Jasper Avenue. Consideration should be given then to shifting travel time, travel mode and travel route.

Travel delays during other times are expected to be more manageable. While congestion will still increase due to the Jasper Avenue closure and reduced capacity on 101st Street, the Downtown network is expected to be able to handle the detoured volume during those times with parallel arterial roads accommodating the portion of traffic that chooses alternate routes.

Alternative 2 — Partial closure of Jasper Avenue between 100 Street and 102 Street (one lane in each direction allowing one lane of traffic in each direction north and south on 101 Street), for which we would plan the work to be completed in the roadway and the sidewalk in two construction seasons (2012 and 2013). The roadway would be fully restored temporarily during the winter of 2012.

This will restrict access for the work to be carried out and be less productive, requiring more time. Travel delays are expected to be more manageable, as not all traffic has to be displaced from Jasper Avenue. While congestion will increase due to the reduced capacity, the Downtown network is expected to be able to handle the detoured volume. Travel time increase during the afternoon peak is expected to be up to twice that of the current travel time on Jasper Avenue, with parallel arterial roads able to accommodate the portion of traffic that chooses alternate routes.

PEDESTRIAN ACCOMMODATION

A minimum pedestrian walkway width of 2.0m will be provided on each side of Jasper Avenue between 100 Street and 102 Street for all construction staging/traffic accommodation options. North/South crosswalks will be provided at both 100A Street (Rice Howard Way) and 101 Street.

Access to Central LRT Station will not be affected during the rehabilitation. Work will be taking place on the concourse level as well as on top of the station but will be separated from public areas.

