

## 7.0 TRAFFIC IMPACT STUDY

A Traffic Impact Study has been prepared for The BarrelYards by Paradigm Transportation Solutions Limited (PTSL). The terms of reference and general direction for the Traffic Impact Study was developed in association with the City of Waterloo and the Region of Waterloo.

The Traffic Impact Study has concluded that The BarrelYards development is appropriate and may proceed subject to some road improvements adjacent to the site. These road improvements include:

- A signal is warranted at the intersection of Erb Street West and Menno Street. East and westbound left-turn lanes with 37.5 metres and 15 metres of storage length, respectively, can be added in the future when additional road right-of-way is obtained.
- A northbound left-turn lane with 15 metres of storage is warranted at the first entrance north of Erb Street West on Father David Bauer Drive; and
- A separate southbound right-turn lane exiting the site opposite Euclid Avenue on Erb Street West.

These improvements are in addition to the eastbound left-turn lane on Erb Street at Father David Bauer Drive currently planned by the Region. This turn lane should have 30 metres storage length.

PTSL has also reviewed the proposed street and driveway intersections with Erb Street and Father David Bauer Drive and has deemed them appropriate.

PTSL has provided for a higher level of walking, cycling and transit use in this Uptown location. Transit use is expected to increase in the future should the Region implement its rapid transit plans, now at the EA stage.