

## **Project Need and Opportunities**

The findings and conclusions in regards to the need and opportunity for a renewed Carp Road from Hwy 417 to Hazeldean Road are as follows:

- Based on the planned development within the Carp Road capture area, approximately 2,600 and 3,800 new two-way vehicle trips are projected on Carp Road during the weekday morning and afternoon peak hours, respectively;
- With respect to the projected peak hour and average peak period volumes based on the planned development within the vicinity of Carp Road, the widening of Carp Road from two lanes to four lanes is required;
- The analyses take into account the City's TMP and the significant new roadway capacity and mass transit that is planned in Stittsville and Kanata West areas. Notwithstanding that planned infrastructure and shifts in travel behaviour are anticipated, the widening of Carp Road from two to four lanes is needed;
- There exists some traffic movements and safety considerations that warrant the need to improve traffic operations on Carp Road that can be best addressed with a four lane roadway;
- There is an opportunity to provide pedestrian and cycling facilities on Carp Road in accordance with the current policy direction of the City's Official Plan and Transportation Master Plan; and
- There is an opportunity to improve the visual environment and functionality of Carp Road to provide a more pleasing entrance to Stittsville and to encourage new development and redevelopment on lands adjacent to it.