

- To estimate the visitor parking demand for the University Boulevard Precinct, Bunt & Associates conducted information interviews with operators and intercept surveys of users from a number of facilities within the precinct, including Alumni Centre, AMS Nest, War Memorial Gym, Aquatic Centre, and UBC Bookstore.
- Visitor parking demand estimates for these facilities were informed by observed vehicle occupancy rates and mode shares from the UBC Vancouver Transportation Status Report. In addition, parking occupancy rates, campus mode share data, and industry standards were applied to estimate the commercial parking demand associated with the mixed-use buildings in the precinct.
- Up to 175 additional parking stalls are expected to be required upon full build-out of the precinct during the peak visitor demand periods.
- To evaluate the impact of the additional traffic on the precinct a worst case scenario was analyzed. The anticipated peak period traffic demand for the proposed MacInnes Underground Parkade is 110 vehicle per hour per direction, which equates to just under 2 vehicles per minute on average.
- A micro-simulation traffic model was prepared to analyze the interaction of pedestrians and vehicles within the east courtyard and along University Boulevard. Of particular interest was the likelihood of vehicles entering the courtyard blocking through traffic on University Boulevard.
- Based on the simulation results and engineering judgement, the additional traffic generated from the MacInnes Underground Parkade is not anticipated to create congestion onto University Boulevard under most conditions.

