transportation

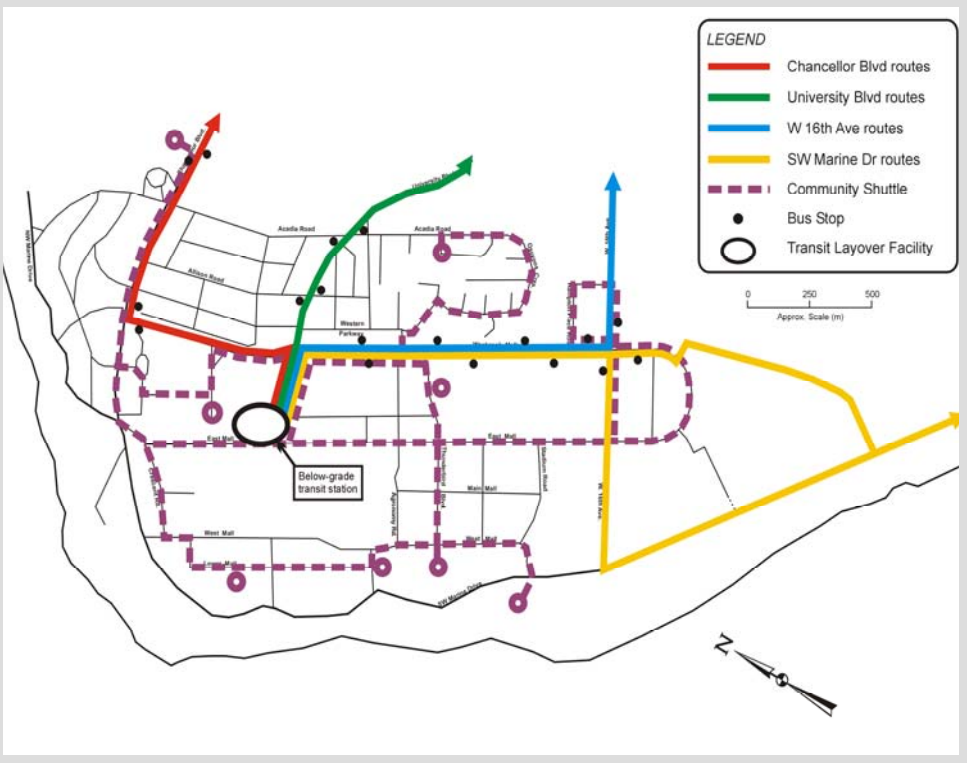
URBANSYSTEMS.

UBC Campus Transit Plan

University of British Columbia

The Campus Transit Plan was undertaken to determine the best way to serve the UBC campus with transit in the future. Several issues were examined, including the effects of pedestrians and vehicle traffic on bus operations, noise and air quality implications, and availability of land for transit facilities. Fifteen options were developed, and a short-list of five options were evaluated in detail using tools such as the emme/2 regional transportation model and VISSIM micro-simulation. All affected user groups and stakeholders were considered in the evaluation, as well as all modes of transportation.

The recommended solution features a below-grade transit station, community shuttle services throughout campus, transit priority measures and improvements to transit facilities. Key benefits include faster and more efficient transit service, a safe, secure and comfortable transit station, improved air quality and reduced noise, improved mobility on the UBC campus, and compatibility with development plans. Although the cost to construct the below-grade transit station is significant, the annualized cost of the recommended solution is lower than for other options which were considered.



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University of British Columbia

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UBC Campus Transit Plan

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