

main street
street precedent study

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sustainable urbanism : the hastings corridor

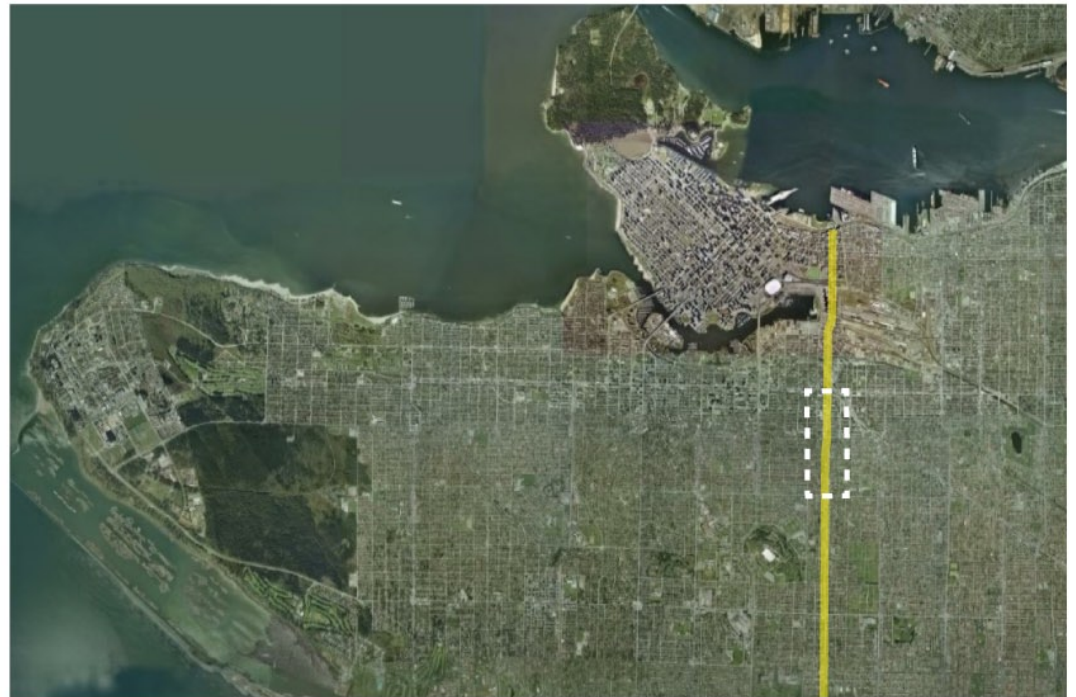
ubc urban studio : fall 2008

main st. precedent study

group 3 : the hastings experience

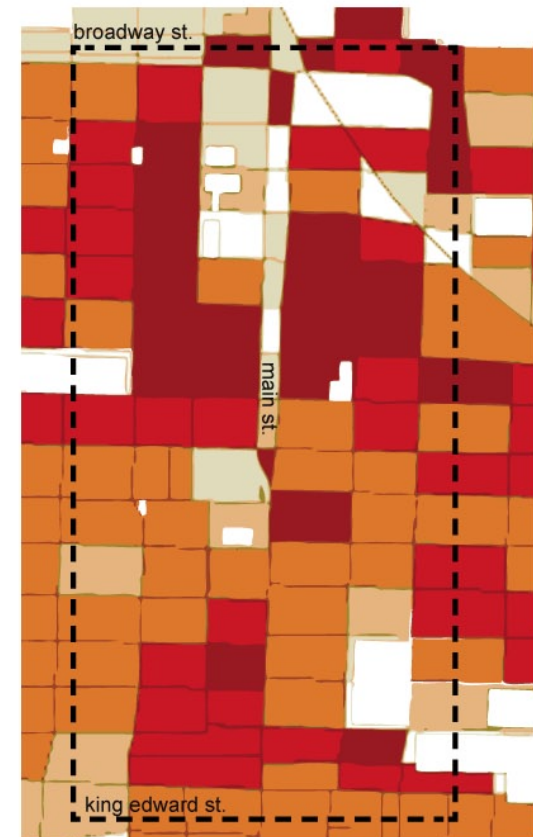
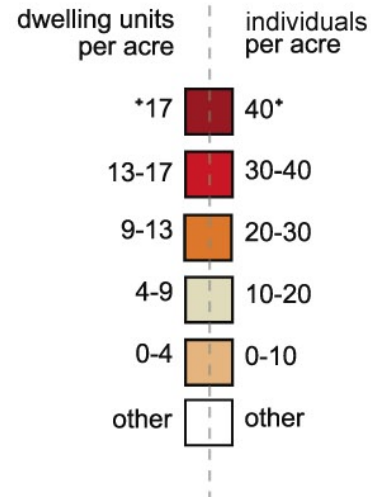
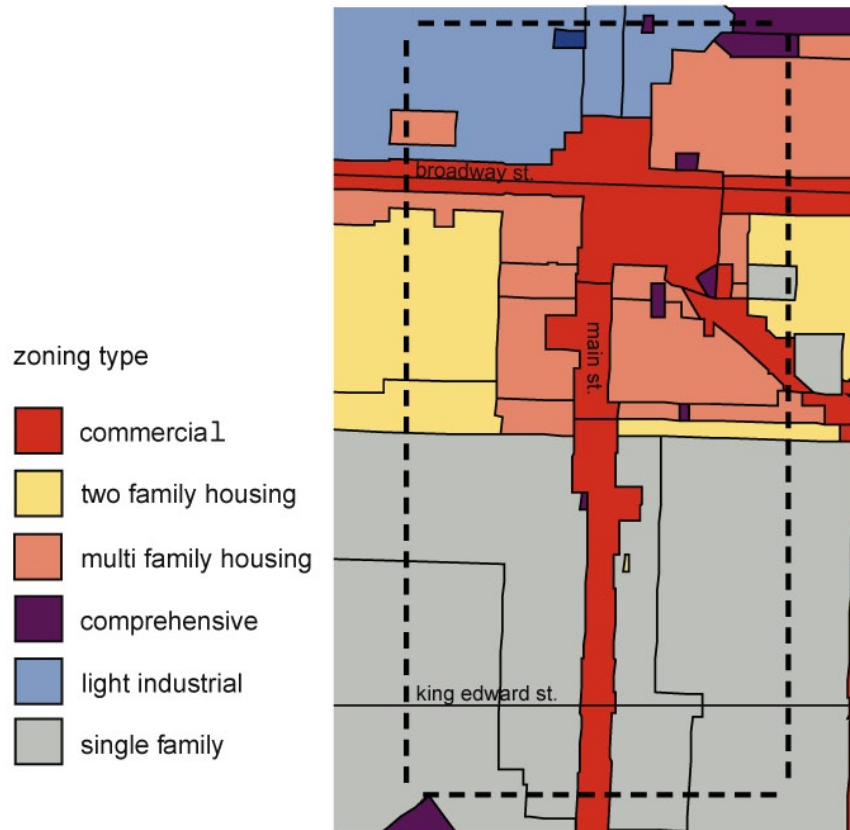
Located towards the Western boundary of Vancouver, Main Street functions as a successful urban corridor that circulates an average of 30,000 vehicles per day, while still maintaining an active pedestrian street culture. Essential to Main Street's success at the pedestrian level are its 19' foot wide sidewalks and its perpendicular proximity to another already pedestrian-successful commercial area, Broadway Street.

Main Street features a mix of commercial and light industrial zoning types near the street front, and more dense housing along its Northern edge. The area is quite dense in terms of both its number of dwelling units per acre and its population characteristics. The vitality of the street lessens to the South however where the zoned housing type is limited to single family. An integration of alternate housing typologies would thus be ideal if further increases in density were required in the area.



main st. precedent study : zoning and density

group 3 : the hastings experience



main st. precedent study : traffic statistics

Midblock traffic count at t 3700 Main Street indicate an overall increase in total vehicular trips, north bound and south bound, over a 24 hour period between 2005 and 2006 (Figure A).

A closer examination of peak hour traffic flow provide the following insights:

- Between 8am and 9am greatest number of vehicles are traveling north toward the downtown core, to work;
- Between 5pm and 6pm greatest number of vehicles are travelling south toward the suburbs, to home;
- Overall the number of AM peak hour traffic flow north bound has increased from 2005 to 2006;
- However, the number of PM peak hour traffic flow south bound has slightly decreased from 2005 to 2006 (Figure B).

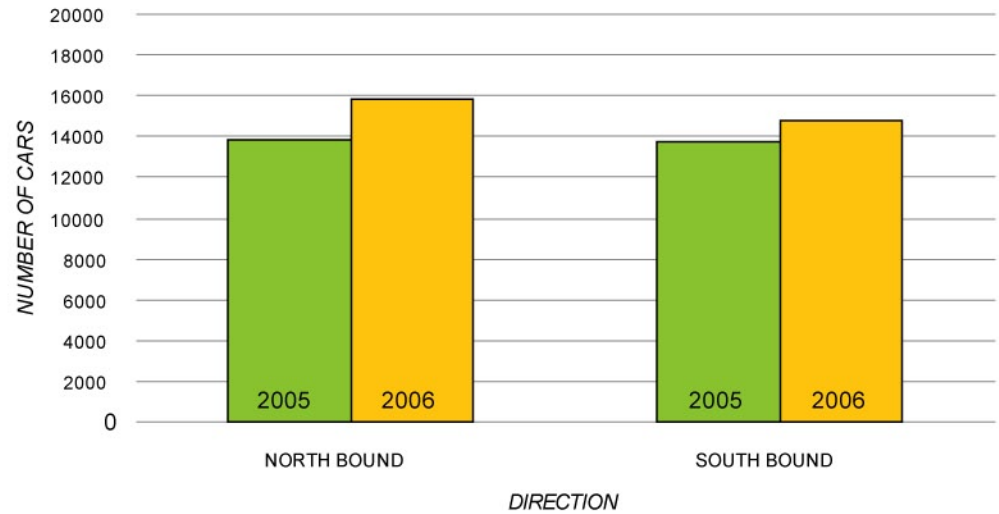


Figure A : 24 Hours Traffic Count

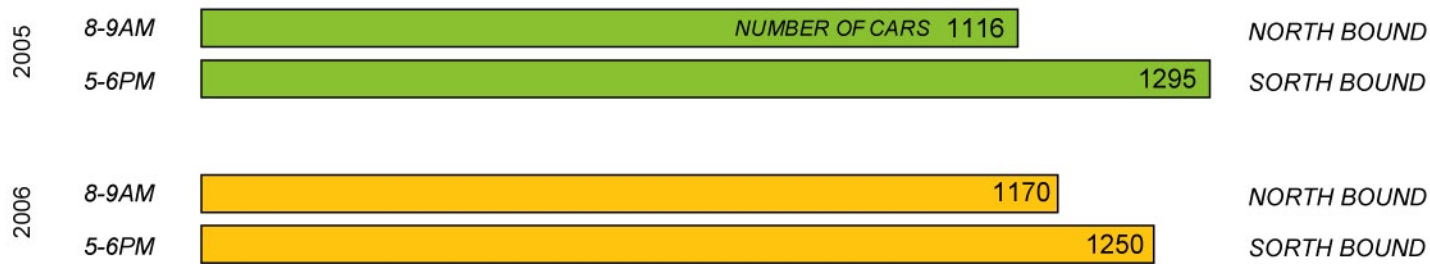


Figure B : Peak Hours Traffic Count

Diagram: Data obtained from the City of Vancouver - Engineering Services Automated Traffic Counts, VanMap Website, last accessed on September 25, 2008

