

UBC Okanagan Sustainable Transportation Status Report

Presentation to City of Kelowna Council
May 3, 2010



a place of mind

THE UNIVERSITY OF BRITISH COLUMBIA

Campus + Community Planning

Sustainable Transportation

Includes:

- Building student housing on campus
- Shifting to transit from cars
- Enhancing other modes of travel
- Managing parking supply
- Managing pedestrian – vehicle interactions



a place of mind

THE UNIVERSITY OF BRITISH COLUMBIA

Campus + Community Planning

2009 Transportation Survey

Board of Governors requested update on:

- Shift to transit, car-pooling
- other issues such as speeds on campus

When:

- Spring (March)
- Fall (late September/early October)

What:

- Traffic volumes
- Transit ridership
- Vehicle occupancies
- Pedestrians and cyclists

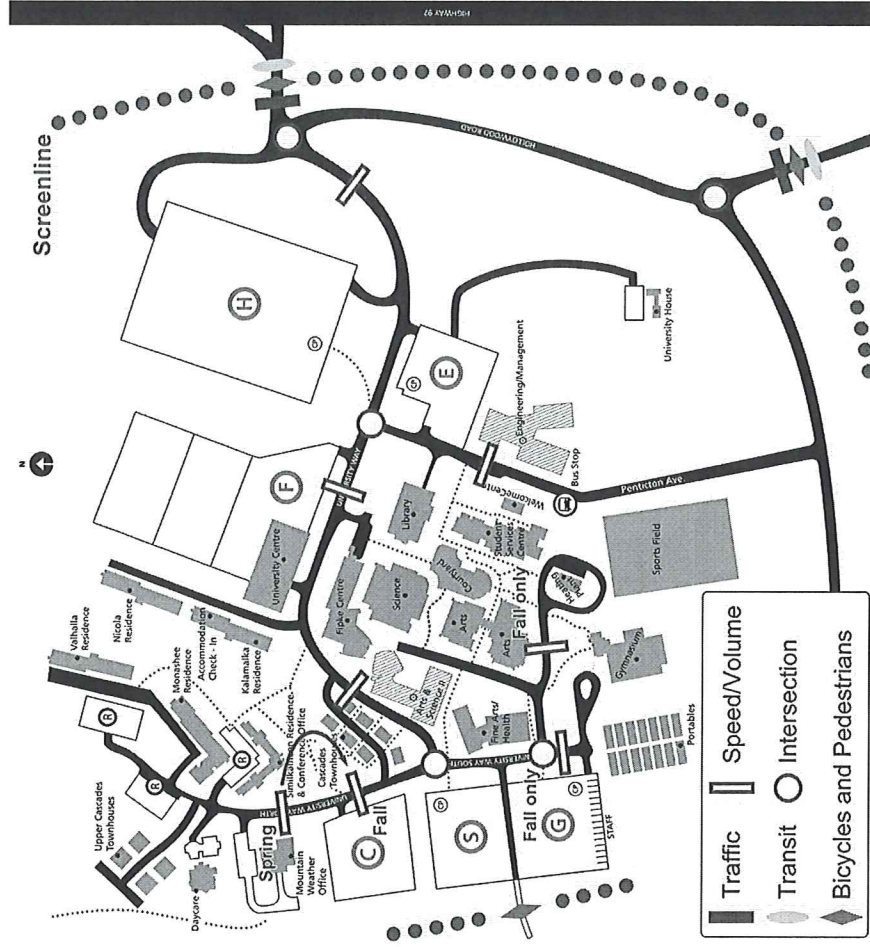


a place of mind

THE UNIVERSITY OF BRITISH COLUMBIA

Campus + Community Planning

Data Collection Locations



a place of mind

THE UNIVERSITY OF BRITISH COLUMBIA

Campus + Community Planning



Daily Person Trips

Mode	Spring 2009	Fall 2009
	Total	Total
SOV	6,470	7,040
Carpool	2,520	3,260
Transit	2,480	5,680
Bicycle	30	100
Walk	90	120
Truck, motorcycle	170	400
Totals	11,760	16,600



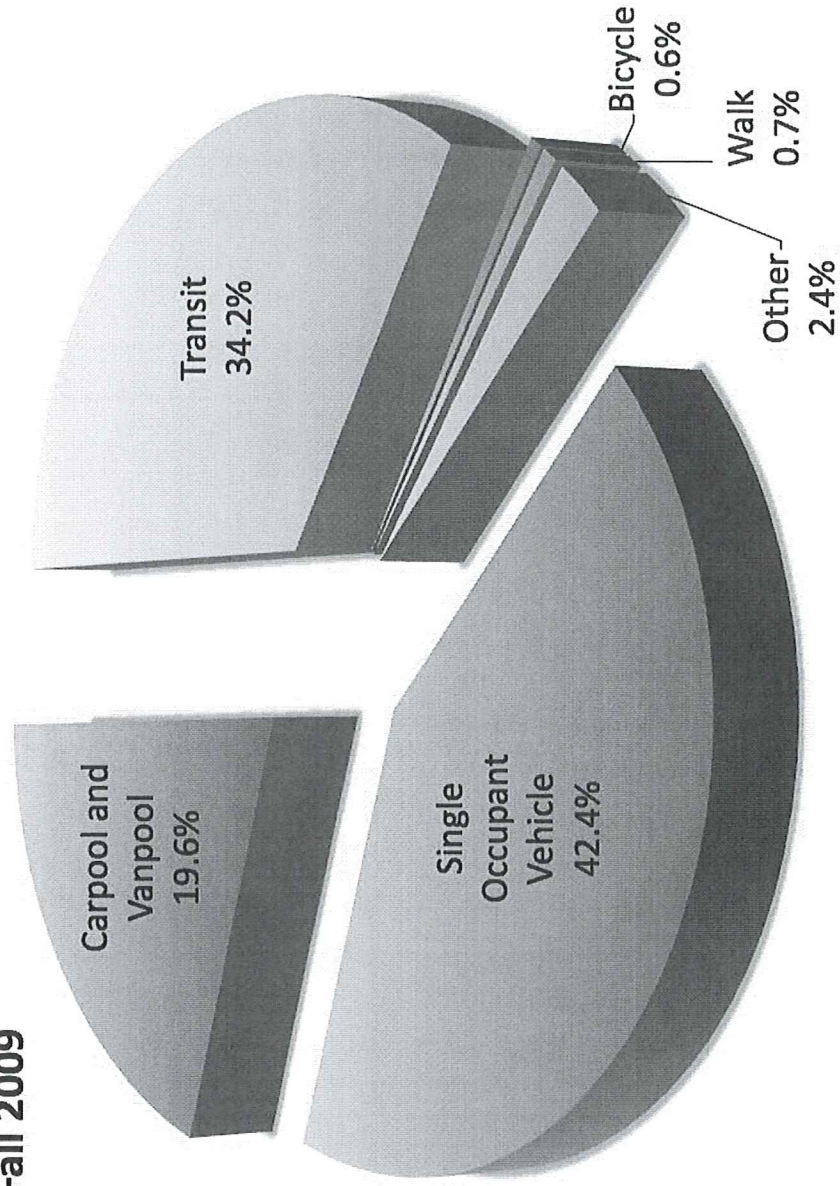
a place of mind

THE UNIVERSITY OF BRITISH COLUMBIA

Campus + Community Planning

Mode Shares

Fall 2009

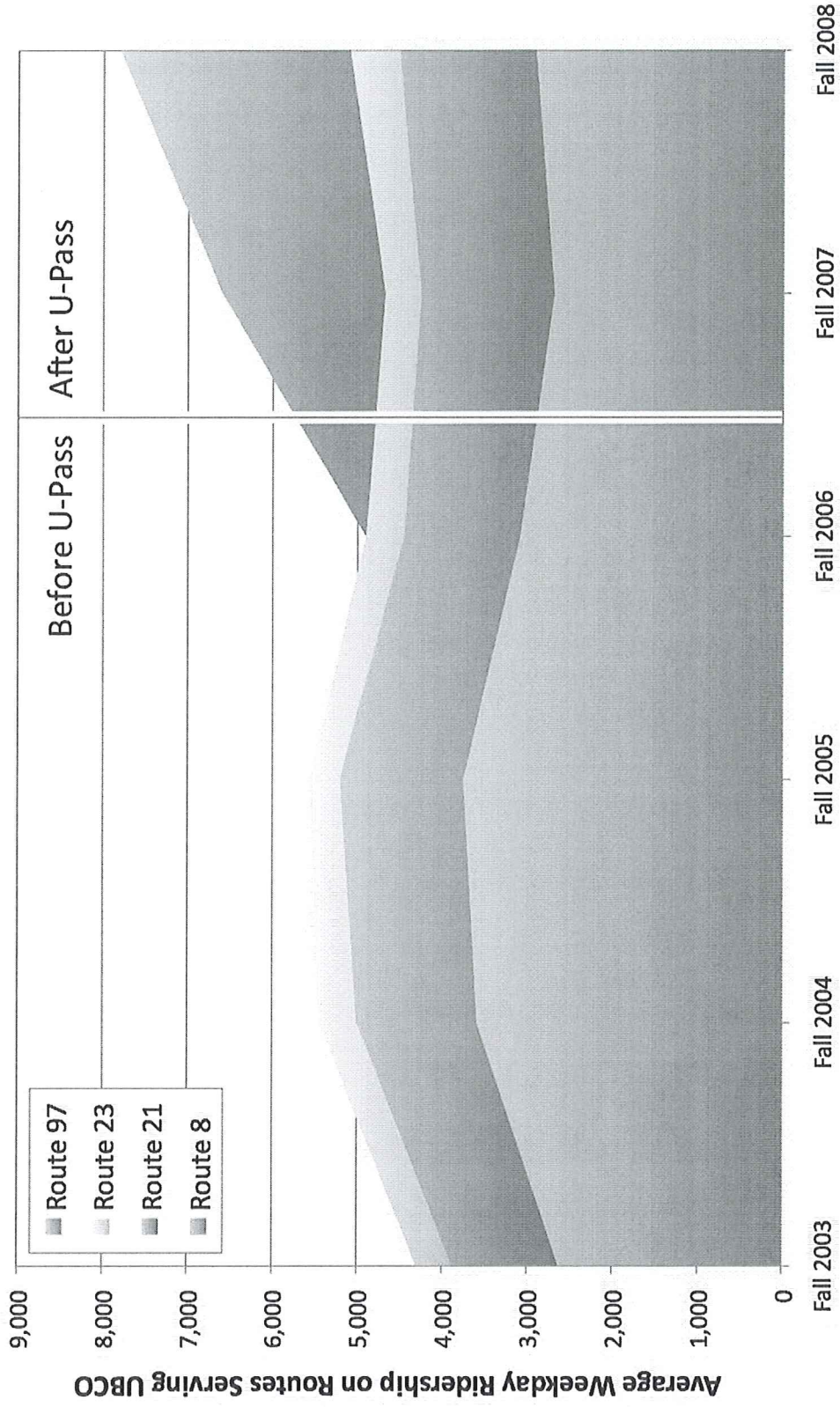


a place of mind

THE UNIVERSITY OF BRITISH COLUMBIA

Campus + Community Planning

U-Pass Effect



a place of mind

THE UNIVERSITY OF BRITISH COLUMBIA

Campus + Community Planning

Daily Transit Trips

Route	Spring 2009	Fall 2009
7 Glenmore	40	30 0.5%
8 University	800	1,290 22.8%
23 Lake Country	60	100 1.7%
8/23 UBCO/LC	640	560 9.9%
90 Connector	120	140 2.5%
97 Express	820	3,560 62.6%
Totals	2,480	5,680 100%

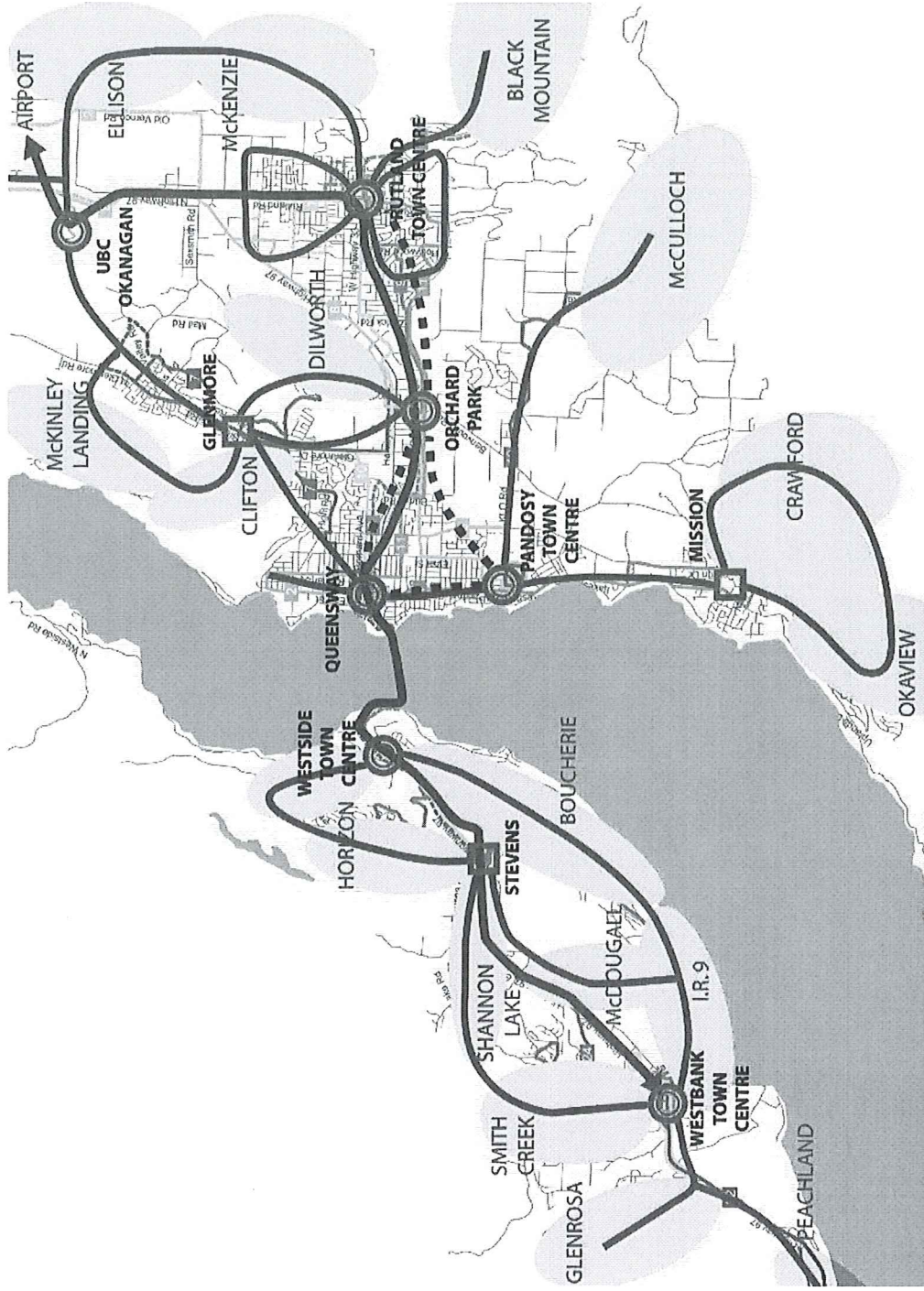


a place of mind

THE UNIVERSITY OF BRITISH COLUMBIA

Campus + Community Planning

Route 97 BRT



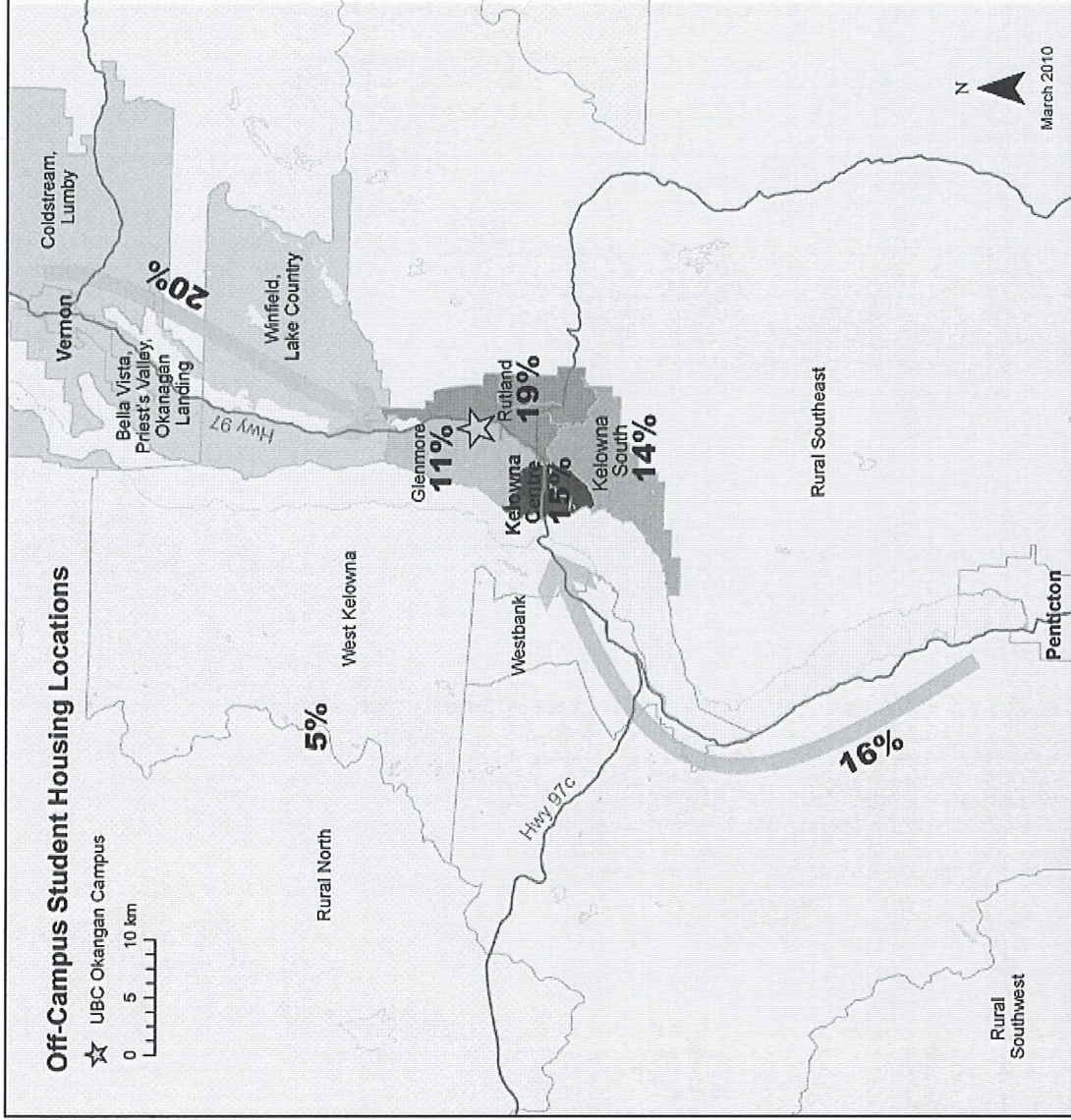
a place of mind

THE UNIVERSITY OF BRITISH COLUMBIA

Campus + Community Planning



Off-Campus Student Housing

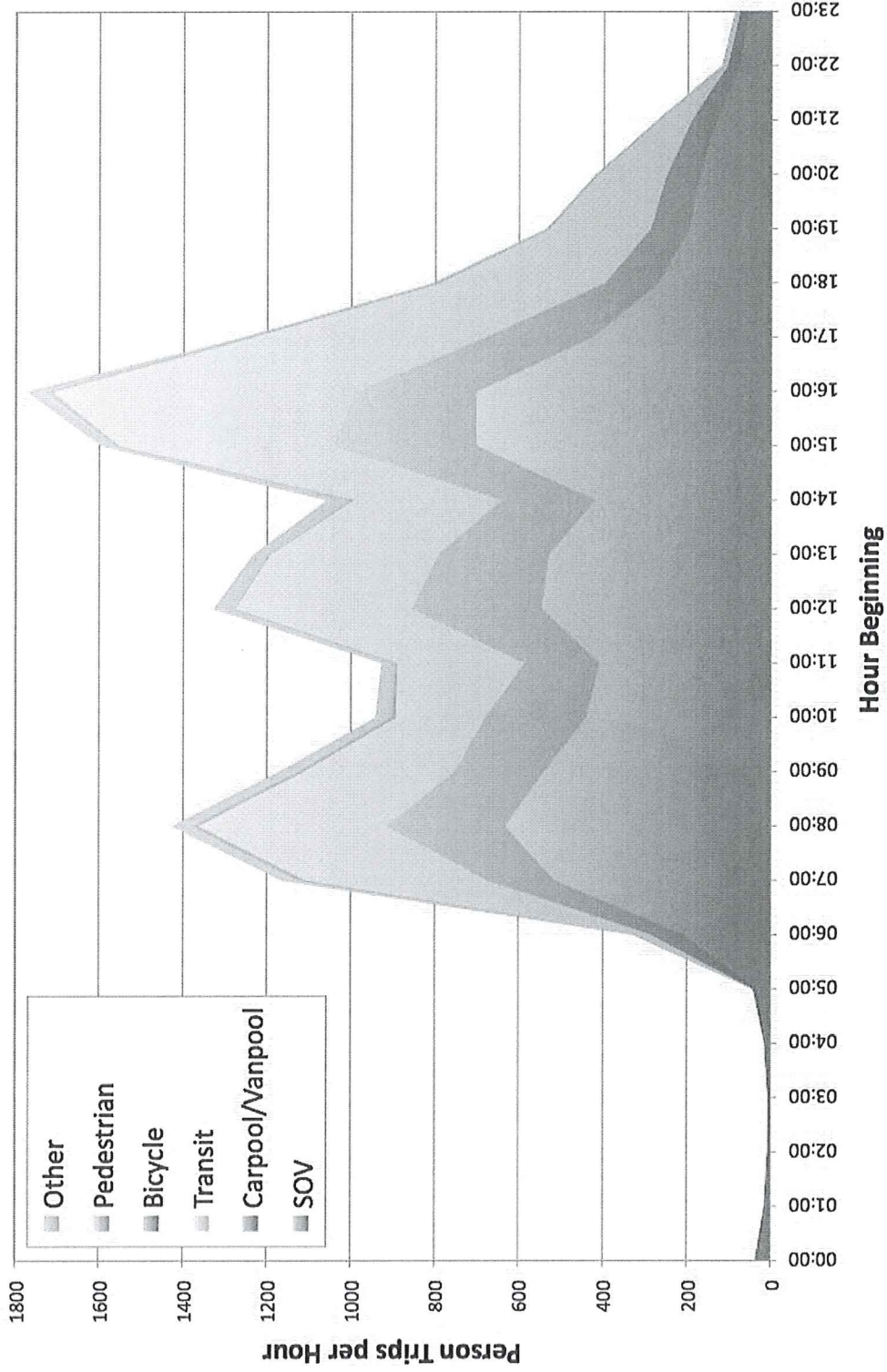


a place of mind

THE UNIVERSITY OF BRITISH COLUMBIA

Campus + Community Planning

Daily Person Trips



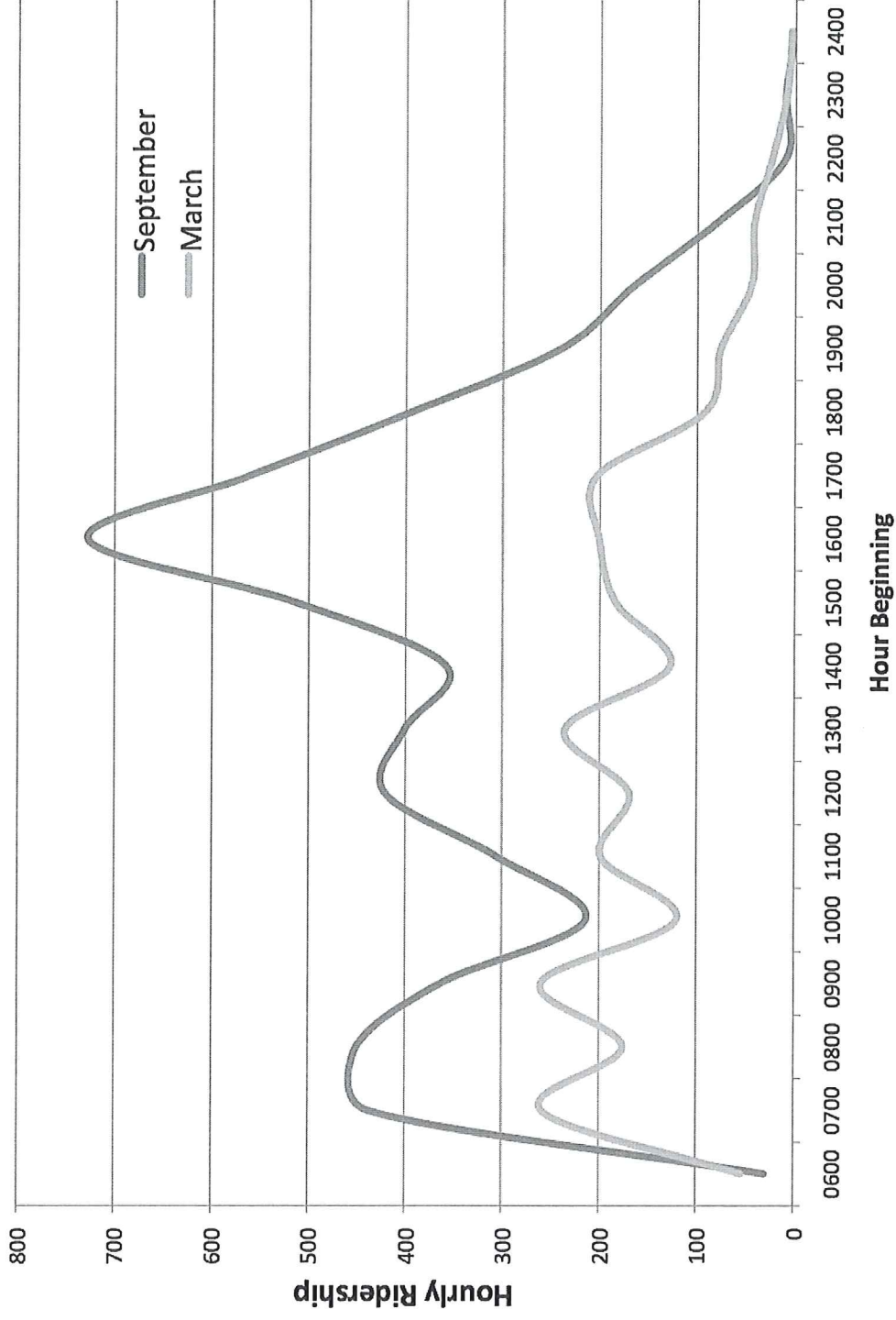
THE UNIVERSITY OF BRITISH COLUMBIA

Campus + Community Planning

a place of mind



Daily Transit Trips



a place of mind

THE UNIVERSITY OF BRITISH COLUMBIA

Campus + Community Planning



Pedestrians and Cyclists

Route	Pedestrians	Cyclists
North access	3	2
South access	3	13
Roberts Lake Rd.	111	88
Totals	117	103



a place of mind

THE UNIVERSITY OF BRITISH COLUMBIA

Campus + Community Planning

Daily Traffic

	Spring 2009		Fall 2009	
SOV vehicles	6,460	80.4%	7,040	77.4%
HOV vehicles	1,180	14.6%	1,520	16.7%
Other vehicles	410	5.0%	540	5.9%
Total Autos (SOV + HOV)	7,640		8,560	
Total Traffic	8,050		9,100	

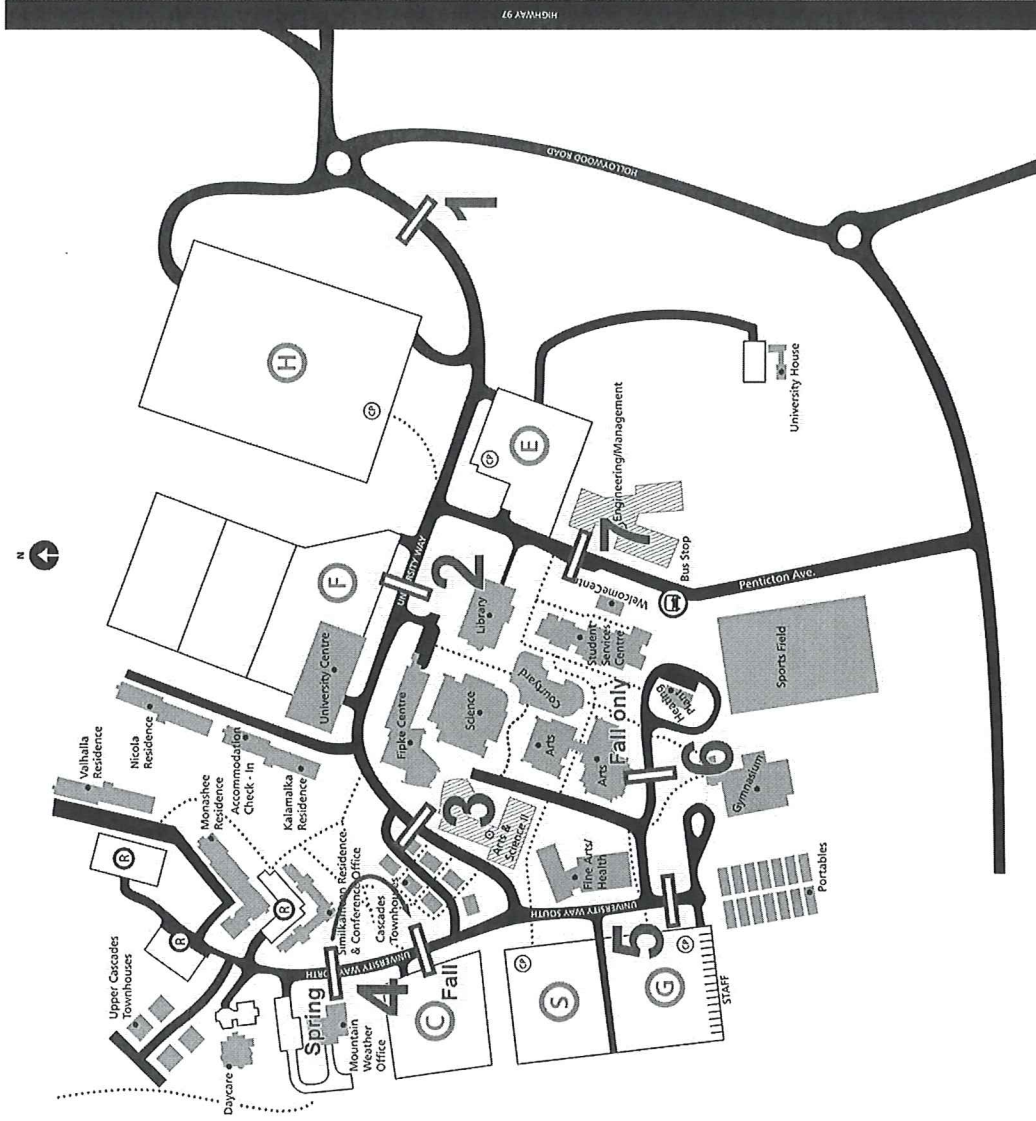


a place of mind

THE UNIVERSITY OF BRITISH COLUMBIA

Campus + Community Planning

Traffic Speeds



a place of mind

THE UNIVERSITY OF BRITISH COLUMBIA

Campus + Community Planning



Traffic Speeds

Location	EB/NB		WB/SB	
	Spring	Fall	Spring	Fall
1 Univ. Way east	56.9	52.9	55.1	49.8
2 Univ. Way centre	48.2	39.1	48.0	37.0
3 Univ. Way west	46.7	39.3	48.3	40.0
4 Discovery Rd N.	53.8	54.5	54.0	48.3
5 Discovery Rd S.	31.8	28.3	32.0	29.1
6 Knowledge Lane	-	29.9	-	30.3
7 Alumni Avenue	32.4	43.4	34.5	43.6



a place of mind

THE UNIVERSITY OF BRITISH COLUMBIA

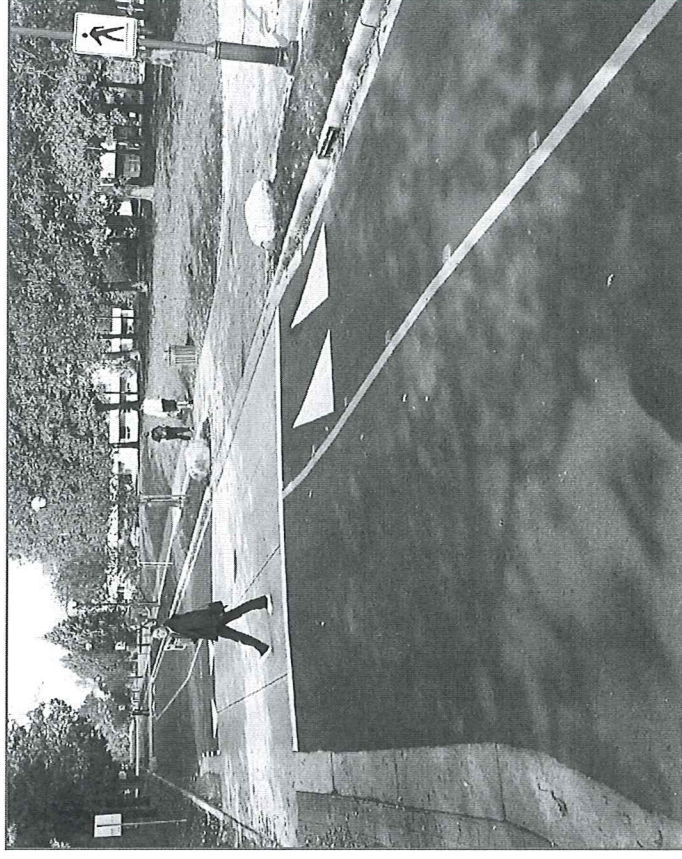
Campus + Community Planning

Traffic Calming

Speed humps



Raised crosswalks



a place of mind

THE UNIVERSITY OF BRITISH COLUMBIA

Campus + Community Planning

Next Steps

Communicating Success

- To our campus community
- To the broader community, with City of Kelowna and BC Transit

Growing Transit Service

- More service hours
- Analyze off-campus student housing locations
- Park and ride system



a place of mind

THE UNIVERSITY OF BRITISH COLUMBIA

Campus + Community Planning



a place of mind

THE UNIVERSITY OF BRITISH COLUMBIA

Campus + Community Planning